

VOLUME-IV

**Glimpses of CCRAS Contributions
(50 Glorious Years)**

**PHYTOCHEMISTRY,
DRUG STANDARDIZATION
AND QUALITY ASSURANCE**



CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES

Ministry of AYUSH, Government of India

New Delhi

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(50 Glorious years)**

**Phytochemistry, Drug Standardization
and
Quality Assurance**

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PROLOGUE

Plants have played significant and prominent role as medicine. In the third world countries even today, medicinal needs of about 75 percent people are met by crude-herbal preparations. The use of herbal medicinal products and supplements has increased tremendously over the past three decades with not less than 80% of people worldwide relying on them for some part of primary healthcare.

The seer expositors of Ayurveda, even while fixing the standards of excellence for the physician, the para medical worker and the drug manufactures, were fully conscious of the standards for quality, quantity, treatment schedules and shelf-life of Ayurvedic formulations.

The discovery of useful medicine such as reserpine,berbine, quinine, curare, cocaine etc. or intermediates such as the steroidal sapogenins has added impetus to the investigation of natural products. Ayurveda has alone reported approximately 2000 medical plant species. This indicates the scope of work in the field of medicinal plants particularly related to phytochemistry which may give rise to life saving or health promoting chemical compound lurking in plant tissues.

In the same sequence CCRAS (Central Council for Research in Ayurvedic Sciences),The Ministry of AYUSH has done a lot of work on Ayurvedic plants since inception on drug standardization, phytochemical screening and quality assurance.

In present “**Volume IV-Photochemistry, Drug Standardization and Quality Assurance**” Chapter 1 highlights the genesis of the Council and its activities. The second chapter belongs to the phytochemical research work done by the Council. Another chapter of drug standardization and quality assurance and contribution of Council in development of standards for Ayurvedic Pharmacopoeia has been added. The details of Research Project conducted in last 50 years have also been recorded. At the last detailed list of total work done in single plant raw material, compound formulation has been given.

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SUMMARY

Due to inherent curiosity and inborn urge to know the things deeply in man Ayurveda cannot remain confined to the use of conventional, conservative norms of medication. It has to accept the new challenges and be prepared to answer the queries of modern man who would have a right to know how the drugs administered to him are collected, processed, preserved and used. To meet this thirst of inquisitiveness, standardization of drugs in Indian System of Medicine is mandatory. In the same series CCRAS, Ministry of AYUSH has done a great job in the form of standardization and isolation of active compound from Ayurvedic drugs. Work done by CCRAS from 1969-2018 is summarized in the form of single and compound formulations. Various aspects of standardization covered in the form of physicochemical studies, TLC/HPTLC, assays, marker isolations and phytochemical identifications and isolations etc.



GENESIS AND OVERVIEW

Background

The science of Ayurveda has been in vogue in this country from the earliest times and serving the medical needs of most of our people. These systems were developed by ancient scholars on the basis of their own philosophy, oriental methodologies and practices prevalent in that era and have popularised and almost completed it in all aspects as a system of medicine. The advent of foreign invasions and cross cultural interaction had definite impact on these systems. The beginning of twentieth century saw efforts to revive these systems. The members of the Imperial Legislative Council got the resolution of investigations and recognition of these systems was accepted in the year 1916. The Indian National Congress also passed similar resolution in 1920. This led to establishment to number of colleges of Ayurveda.

In the post independence era, the efforts to develop research gained momentum. As per recommendation of the various Committees, grant-in-aid projects were sanctioned to selected colleges. The Central Council for Ayurvedic Research as an Advisory body was established in 1962 and finally the Central Council for Research in Indian medicine & Homoeopathy (CCRIM&H) was established in 1969. This Council initiated research programmes in the Indian systems of Medicine & Homoeopathy in different parts of the country and started coordination at the National level for the first time.

The Central Council for Research in Ayurveda & Siddha (CCRAS), an apex body for the formulation, coordination and development of research in Ayurveda & Siddha on scientific lines was established in March 1978 after reorganization of CCRIM&H. The Minister of Health & Family Welfare is the President of the Governing Body of the Council while the Joint Secretary chairs the Standing Finance Committee. The Scientific /Research Programmes are supervised by the respective Scientific Advisory Committee chaired by eminent scholars of the system.

The Central Council for Research in Ayurvedic Sciences is a Registered Society under Societies Registration Act XXI of 1860 on 29.07.2011 (Formerly Registered as Central Council for Research in Ayurveda and Siddha on 30th March, 1978).

Research areas

The Central Council for Research in Ayurvedic sciences (CCRAS), an autonomous body under Ministry of AYUSH, Govt. of India is apex body in India for undertaking, coordinating, formulating, developing and promoting research on scientific lines in Ayurvedic sciences. The activities are carried out through its 30 Institutes/Centres/Units located all over India and also through collaborative studies with various Universities, Hospitals and Institutes. The research activities of the Council include Medicinal Plant Research (Medico-ethno Botanical Survey, Pharmacognosy and Tissue Culture), Drug Standardization, Pharmacological Research, Clinical Research, Literary Research & Documentation. Besides this, Council has conducting outreach activities viz. Tribal Health Care Research Programme, Ayurveda Mobile Health Care



programme, Swasthya Rakshan Programme and National Programme for Prevention and control of Cancer, Diabetes, Cardiovascular Diseases and Stroke (NPCDCS).

Objectives

1. The formulation of aims and patterns of research on scientific lines in Ayurvedic sciences.
2. To undertake any research or other programmes in Ayurvedic sciences.
3. The prosecution of and assistance in research, the propagation of knowledge and experimental measures generally in connection with the causation, mode of spread and prevention of diseases.
4. To initiate, aid, develop and co-ordinate scientific research in different aspects, fundamental and applied of Ayurvedic sciences and to promote and assist institutions of research for the study of diseases, their prevention, causation and remedy.
5. To finance enquiries and researches for the furtherance of objects of the Central Council.
6. To exchange information with other institutions, associations and societies interested in the objects similar to those of the Central Council and specially in observation and study of diseases in East and in India in particular.
7. To prepare, print, publish and exhibit any papers, posters, pamphlets, periodicals and books for furtherance of the objects of the Central Council and contribute to such literature.
8. To issue appeals and make applications for money and funds in furtherance of the objects of the Central Council and to accept for the aforesaid purpose gifts, donations and subscriptions of cash and securities and of any property whether movable or immovable.
9. To borrow or raise monies with or without security or on security mortgage charge, hypothecation or pledge of all or any of the immovable or movable properties belonging to the Central Council or in any other manner whatsoever.
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11. To permit the funds of the Central Council to be held by the Government of India.
12. To acquire and hold, whether temporarily or permanently any movable or immovable property necessary or convenient for the furtherance of the objects of the Central Council.
13. To sell, lease, mortgage and exchange, and otherwise transfer any of the properties movable or immovable of the Central Council provided prior approval of the Central Government is obtained for the transfer of immovable property.
14. To purchase, construct, maintain and alter any buildings or works necessary or convenient for the purpose of the Central Council.
15. To undertake and accept the management of any endowment or trust fund for donation, the undertaking or acceptance whereof may seem desirable.



16. To offer prizes and grant of scholarships, including travelling scholarships in furtherance of the objects of the Central Council.
17. To create administrative, technical and ministerial and other posts under the Society and to make appointments thereto in accordance with the rules and regulations of the Society.
18. To establish a provident fund and/or pension fund for the benefit of the Central Council's employees and/or their family members.
19. To do all such other lawful things either alone or in conjunction with others as the Central Council may consider necessary or as being incidental or conducive to the attainment of the above objects.
20. To undertake R & D Consultancy projects and transfer of patents on drugs and process to industry.
21. To undertake R & D projects sponsored by industries in public/private sector.
22. To undertake international and interagency collaboration.
23. Utilization of results of research conducted and payment of share of royalties/consultancy fees to those who has contributed towards pursuit of such research.
24. To enter into arrangements with scientific agencies of other countries for exchange of scientists, study tours, training in specialized areas, conducting joint projects etc.
25. To provide technical assistance to Govt./Private agencies in matters consistent with the activities of the Council.
26. To assist Medicinal Plants Board, Government of India in achieving its objectives.
27. To constitute small Management Committees consisting of eminent Scientists/ Physicians of local areas to monitor the R & D activities and suggest remedial measures for the improvement of activities of all Central as well as Research Institutes of the Council.



GLIMPSES OF DRUG RESEARCH WORK

(Phytochemistry, Drug Standardization and Quality Assurance)

1. Basic Chemical Research on Photochemistry

Plant produces numerous types of chemical compounds generally to prevent itself from its competitors, predators, or pathogens so phytochemicals are chemical compounds produced by plants. These phytochemicals are generally denoted by **secondary metabolites**. On the basis of their biosynthetic origins these secondary metabolites may be classified as flavonoids and polyphenolic compounds, terpenoids, alkaloids, glycosides, saponins and steroids etc. The activity of plant is responsible due to these metabolites. Phytochemistry plays a major role for authentication, identification and quality assessment of plant material.

For a plant drug, certified reference material is essential to start the research. The preliminary analysis suggests the identification of the plant material by pharmacognostical characters or by testing of these secondary metabolites or by chromatographic procedures. Other tests which have impact on the quality of drug are physicochemical parameters.

The Council has carried out such studies since inception through its peripheral centers located across the country. Presently units located at Chennai, Kolkata, Gwalior, Cheruthuruthy and Patiala are engaged in various activities related to drug research.

2. Applied Phytochemicals Research for Drug Development

Various Phytochemical Reference Standards (PRS) and metabolites present in plant ingredients responsible for various therapeutic activities may be utilized for establishing the representation of individual ingredients in finished formulations. The identity and quality of the formulation is essential before taking the drugs for clinical research and other efficacy studies. Various dosage forms required for new drug development may be achieved through pharmaceutical R&D and estimation of suitable markers/ metabolites. The Council has also undertaken the work of establishing the shelf life/stability study of different classical dosage forms under Intramural Research (IMR) scheme.

3. Quality Control and Quality Assurance for Routine Research

In view of the controversy in the identification of medicinal plants referred in Classics it has been considered necessary to standardize raw drug materials from plant source by using physico-chemical and phytochemistry studies. Since inception (from 1969 to 2017) multiple samples (**2520 samples**) of single drugs has been quality assessed for various requirements viz. Pre-clinical and clinical studies.

The present trends towards commercialization and mass manufacture, there is no guarantee that the proportion of individual drugs in the required quantities is being maintained.



There is also a need to correlate the transformation of medicinal preparation in different stages by identifying certain characteristics at particular step. Therefore, standardization of finished product is also of vital necessity to ensure complying of given data in regards to organization characteristics and chemical circumstances. Since inception (from 1969 to 2016) multiple samples (**1369 samples**) of the formulation/finished products has been standardized along with **356 samples** were considered for analytical standardization.

4. Development of Pharmacopoeial Standards

Due to commercialisation of Ayurvedic formulations for manufacture in pharmacies a need for standards of Ayurvedic formulation was felt. During this period upto 2007, with the publication of First Volume of Ayurvedic Pharmacopoeia of India (API) formulations, Part II the book published by the Council **Pharmacopoeial Standards for Ayurvedic Formulations** was used as a book of standards. In this book the work done by Captain Srinivasamurthy Research Institute for Ayurveda, Madras; Department of Pharmaceutical Chemistry, Gujarat Ayurveda University, Jamnagar; Departments of Dravyaguna, IMS, Banaras Hindu University, Varanasi; Regional Research Institute, Trivendrum and Central Research Institute, New Delhi has been compiled. **431 formulations** divided in **21 categories** of dosage forms were arranged in alphabetical order. Each monograph prescribed ingredients of the formulation, description of dosage forms with organoleptic characters and physico-chemical parameters of the formulations. Therapeutic indications and uses are also reported in each monograph. Details regarding definition, general method for preparation of different dosage forms and characteristics were also recorded as a chapter. A small note on guidelines to be followed in the use of the standards and general principle to be followed in prescribing standards were also enclosed in the book. Method followed in standardization the procedures covering volumetric, gravimetric and other types of determinations were also included in the book.

This book is still used by the industry and academics as a guide book of standards because standards of certain number of formulation included in this book are not available in Ayurvedic Pharmacopoeia of India (API).

5. Contributions to Ayurvedic Pharmacopoeia and Formulary

A Considerable work has been done by CCRAS in evaluation of Pharmacopoeia and Formularies. CCRAS remain members of Ayurvedic Pharmacopoeia of Committee (APC) since its beginning in 1969 to prepare and finalization the main task to bringing out Ayurvedic Pharmacopoeia in convenient instalments on single and compound formulation and Ayurvedic formularies effectively.

Later on to speed up the work of development of standards of single drugs and compound formulation, Director General CCRAS was nominated as Member Secretary of APC and CCRAS declared as Secretariat for APC. After holding the position the work of API was speed up and finalized volume of standards of compound formulations (API, Part-II, Vol. I) come out in the year 2007. Presently four volumes on standards of compound formulations are in existence



comprising of 202 formulations. Other important publication is the API, Part-I, Vol. VII which provide the standards on 21 minerals and metals.

Another very precious task done was the publication of standards on extracts included in API, Part-I, Vol. VIII and IX which is highly demandable. 48 Monographs on compound formulations were contributed to Ayurvedic Pharmacopoeia of India. Details at **Annexure VI** and 8 formulations were developed for Siddha Pharmacopoeia of India (**Annexure VII**).

6. Drug Development Programme

A. Formulation Developed By the Council

1. **Ayush 64:** An anti-malarial preparation(Patent No 152863 dated 28.7.1980)
2. **Ayush-56 :** An anti epileptic preparation (Patent No 141170 dated 28.7.1976)
3. **777 Oil:** A medicated oil for Psoriasis((Patent No 166740 dated 11.9.1987)
4. **Ksharsutra:** A medicated thread for Ano-rectal diseases (Patent No 186243 dated 15.2.2002).
5. **Ayush Ghutti:** A herbomineral preparation for cough, cold, fever and diarrhoea for children.
6. **Balarasayan:** A herbomineral preparation for general immunity and strengthening of the body of children.
7. **Ayush 82:** For management of Diabetes meletaus

B. Reproductive and Child Health Care Programme (RCH)

Various classical and nonclassical formulations were developed under different programme of the Council. Seventeen Ayurvedic formulations have been developed and worked out for quality standards for the project **Feasibility of introducing Indian System of Medicine(Ayurveda) in the National Reproductive and Child Health Care Programme(RCH) at the Primary Health Care(PHC) level.** The formulations developed are

1. **Ayush Candy**
2. **Ayush Ark Pudina**
3. **Ayush BL Oil (Bala Taila)**
4. **Ayush Bala Rasayana Tablet**
5. **Ayush PK Avleha(Panchakola avaleha)-** Ayurvedic herbal compound preparation for post natal care (to enhance the process of recovery after delivery and other complications of puerperal period)



6. **Ayush Bala Rakshak Leham:** Ayurvedic herbal compound preparation for paediatric care
7. **Ayush PG Tablet (Punarnavadi yoga):** Ayurvedic herbal compound preparation for Ante natal care
8. **Ayush SDM Tablet (Arogya sutika)**
9. **Ayush SS Granules (Payaswini)-** Ayurvedic herbal compound preparation for post natal care (to enhance the quality and quantity of breast milk in mother having deficient lactation)
10. **Ayush KVM syrup (Vasadi panak)-** For cough and cold.
11. **Ayush BC Tablet (Balamrita yoga)**
12. **Ayush AG Tablet (Shatamuli mandoor)-** Ayurvedic herbal compound preparation for Ante natal care
13. **Ayush GG Tablet (Gokshura ghanavati)**
14. **Ayush LND Tablet (Laksha durvadi yoga)**
15. **Ayush VRG Tablet (Rajahpravartan yoga)**
16. **Ayush KD ointment (Khadiradi malahara)**
17. **Ayush UT ointment (Rakshoghni malahara)**

C. Golden Triangle Project

The Council has Coordinated for procurement of CoA from Maharishi Ayurvedic Pharmaceutical, Noida and chemical characterization data from CSIR(IICT, Hydrabad) of eight Rasaushadhies viz. **Arogyavardhini Vati, Vasantkusumakar Ras, Kajjali Yoga, Maha Yogaraja Guggulu, Mahalakshmi Vilas Ras, Makardhwaja, Rasa Sindoor, Rasa Manikya** for preparation of technical report and paper publication.

7. New Drug Development Programme

Council has undertaken the following coded/ claim drugs through new drug development for clinical research studies in IMR and collaborative mode



Standardization, Pharmaceutical preparation & Shelf life study of

S. No.	Name of drug	Details
1.	Ayush- QOL 2Capsule	Drug for cancer patients
2.	Ayush –Manas tab	Drug for children with mental retardation
3.	Ayush- Rasayana-B capsule and Ayush- Rasayana-A (granules)	Drug for ageing/elderly persons.
4.	Ayush-A tablet	for bronchial asthma
5.	Ayush-D tablet	for Diabetes mellitus
6.	Ayush-C1Oil	for wound healing
7.	Ayush-PJ-7	for Dengue
8.	Ayush K1	(for Kidney disorders)
9.	Ayush CARCTOL-S	anti-cancer formulation
10.	Ayush-PE drop	for conjunctivities
11.	Ayush-M	for Migraine
12.	Ayush-SL	for Filariasis
13.	Bhang Leaf Capsule	In Cancer
14.	Novel formulation	Antimalarial
15.	Ayush SG	Osteoarthritis

8. Validation of Classical Formulations

CCRAS has done plenty of work in the field of validation of classical formulations through quality assurance of a number of the formulations in different dosage forms entering in clinical trials. For the purpose the Quality Control reports submitted by the pharmacy has been examined and compared with API Standards. In case where Quality Standards are not available, in-House standards of pharmacy were considered as standard. The quality standards protocols are as given in API for the dosages with safety data viz. heavy metals, pesticide residues, aflatoxins and microbial load. Total 13 guggulu, 28 churna/kwath churna, 11 tablets/vati/gutika, 18 taila/ghrita, 4 arishta/asava, 8 avleha and sveta parpati, apamarga kshara, bhasma has been examined. Details provided in Annexure I.

9. Consultancy Services for DTL through NABL Facility and State Licensing Authority

The concept of laboratory accreditation was developed to provide third party certification that a laboratory is competent to perform the specific test or type of tests. Laboratory accreditation means to improve customer confidence in the test reports issued by the laboratory so that the customer accept it with confidence. The Council got NABL accreditation for **Captain Srinivasa Murthy Regional Ayurveda Drug Development Institute, Chennai** in 2008. Besides NABL accreditation this lab has authority to test drug samples from **State Licencing Authority** by Government of Tamil Nadu and has been declared as **Drug Testing Laboratory (DTL)** for ASU(Ayurveda, Siddha and Unani) drugs by Tamil Nadu Government. Since then lot of drug



samples were analysed. Major **59 samples** listed as table are tested for various parameters(**Annexure II**).

10. Academic Activities through Doctoral Research Support

Captain Srinivasa Murthy Regional Ayurveda Drug Development Institute, Chennai was recognized as a centre for pursuing Ph.D. by different Universities *viz.*

- Tamil Nadu M.G.R. University,
- Tamil University, Tanjavur,
- Anna University, Trichy,
- SASTRA University, Tanjavur
- Sri Ramachandra University, Chennai
- University of Madras

Total **39 scholars** have been awarded Ph.D by the above mentioned Universities and four candidates are pursuing their Ph.D. work. Presently the Institute is recognised by University of Madras as a research centre for Ph.D.

11. Collaboration

One of the institutes of the Council- CSMDDRIA, Chennai being a pioneer in the field of herbal research the Institute has collaboration with many Institutions. Out side India this Institute has collaborated with Department of Chemistry, University of Glasgow, Scotland, UK; In India the institute collaborated with the University College of Science, Kolkata and Institutions like ICMR, IGCAR, CEERI, CLRI and IIT Madras.

Monographs on 95 plant drugs(raw material) have been contributed by this institute to the book “**Quality Standards of Indian Medicinal Plants**” in different volumes published by Indian Council for Medical Research (ICMR), New Delhi. Details provided in **Annexure-IX**.

12. Process Patent and Commercialisation Obtained In Chemical Technology

Ten patents were granted on isolation of active principles from the plants and Council has occupied seven process patents on formulations. Nineteen process patents have been filed. Twelve technologies transferred to Industry (12)

- ✓ Patent Granted = **17 (Annexure III)**
- ✓ Patents Filed = **19 (Annexure IV)**
- ✓ Technology Transferred to Industry = **12 (Annexure V)**



CHAPTER 1

PHYTO-CHEMICAL RESEARCH

An Overview of CCRAS since Inception Chemical Studies

Phytochemicals has unestablished effects on health and are not scientifically defined as essential nutrients but their presence and absence makes a plant important as medicine for certain extent. Identification of phytochemicals of the plant is an imperative part of drug standardization in modern era. In order to concentrate more in standardization to find out efficacy of raw drugs from plant source isolation of compounds were started from 1974 in Drug Standardization Research Unit, Junagadh. Slowly this work was taken up by other units also among them the most important is discovery of **vicolides** from *Vicoa indica* carried out by CSMDRIA, Chennai. A number of vicolides have been isolated from this plant through a lead from ethnomedical survey. These phyto-chemistry studies gave lead for development of many combination drugs. Ayush 64, Ayush 56 and Ayush 82 are the successful combination prescribed for malaria, epilepsy and diabetes. These all products have been commercialized by the Council and first two are Council's patented products. Many new compounds along with active compounds were isolated from **512 samples of 392 Ayurvedic plants**.

The volume of work undertaken in the field of medicinal plants is too large allocation and personnel engaged in this field are minimal and fund is very small. Therefore, the Council has planned time bound programmes and makes co-ordinated efforts with other agencies so that fruitful results can be produced. Council concentrated efforts on the following line

1. To conduct research on those plants which are used in these systems but no significant work has been conducted so far on these plants by any agency.
2. To search and identify those medicinal plants which are not known.
3. To conduct research on those plants which are used in other systems of medicine but not being used in Ayurveda.
4. To work on some of the plants which not at all used as medicinal plants in any systems of medicine but may lead to cure new diseases like AIDS, Cancer etc. and also to explore those plants which are known in folk-lore curing various ailments.

Phytochemical Research work done since inception is tabulated as **Table 1**.



Table 1: Phtyo-chemical Research since Inception

CHEMICAL STUDIES					
S.No	Plant	Part	Isolated Compound	Unit	Year
1.	<i>Alstonia scholaris</i>	NM	NM	DSRU-Junagadh	1974
2.	<i>Fumaria parviflora</i> (Pitpapra)	NM	NM	DSRU-Junagadh	1974
3.	<i>Adhatoda vasika</i>	Leaves	Vasicine and Vasicinone	NM	1974
4.	<i>Holarrhena antidysentrica</i>	NM	Conessine	NM	1974
5.	<i>Mesua ferrea</i>	Stemens	Mesuanic acid	NM	1974
6.	<i>Nyctanthes arbortristis</i>	Leaves	Alkaloids	NM	1974
7.	<i>Cassia siamea</i>	Pods	Siamenol	NM	1974
8.	<i>Tylophora ashmatica</i>	Plant	Acidic fraction (bronchodilatory)	NM	1974
9.	<i>Abrus precatorius</i>	Roots	Carotenoids	NM	1974
10.	<i>Xanthoxylum acanthopodium</i>	Seeds	3,5,3'-Trihydroxy-8,4'-dimethoxy flavone-7 glucoside and 3,5-dihydroxy-7,8,4'-trimethoxy flavone-7 glucoside	NM	1974
11.	<i>Glycyrrhiza glabra</i>	Root	Two glycosides and four non-glycosides	NM	1974
12.	<i>Oroxylum indicum</i>	Leaves	Anthroquinones		1974
13.	<i>Xanthoxylum alatum</i>	Fruit	Tambulin, imeratorin and 8-gerany loxypserlen		1974
14.	<i>Callicarpa mycrophylla</i>	NM	Two Phylloclane monoacetate		1974
15.	<i>Acorus calamus</i>	Rhizome	Ac-I(C ₁₅ H ₁₀ O ₅)		1974
16.	<i>Salacia macrosperma</i>	Root Bark	α -amyrin and β -sitosterol, D-mannitol		1974
17.	<i>Gardenia latifolia</i>	NM	Spinolic acid(a rare triterpene saponenin), 3-epi-siarsinolic acid		1974
18.	<i>Salacia fruticosa</i>	NM	Friedelin, friedel-1-ene-3-one, lupeol and sitosterol		1974
19.	<i>Fumaria indica</i> (Pitpapra)	NM	2 Phenolic and 5 non-phenolic		1974
20.	<i>Nelumbo nucifera</i> (Kamala)	NM	Nuciferine		1974



21.	<i>Crataeva nurvala</i>	NM	Lupeol, lupenone β -sitosterol and stearic acid	1974
22.	<i>Cissampelos pareira</i>		Quaternary alkaloids	1974
23.	<i>Cyclea peltata</i>	Root	1-Tetrandince and fangehinoline	1974
24.	<i>Cassia tora</i>	Seed	β -sitosterol, emodin, rubrofusarin and compound VIII	1974
25.	<i>Albizzia lebbeck</i>		Friedelin, friedelan-3-one and sitosterol	1974
26.	<i>Adhoda vasica</i>	Leaves	Vasicinine, vasicinone	1976
27.	<i>Aegle marmelos</i>	Leaves and fruit	Alcoholi extract, Furano coumarin, water extract; xanthotoxin-imperatonin.	1976
28.	<i>Apium leptophyllum</i>	Seeds	Bergapten, Seselin, Isopinipinallin, Umbelliferone and D-manitol	1976
29.	<i>Bombax malabaricum</i>	Plant	β -sitosterol	1976
30.	<i>Alternanthera sessilis</i>	Plant	Alcohol extract, water extract.	1976
31.	<i>Cassia siamea</i>	Pod	Methanolic extrat, siamenol, water extract	1976
32.	<i>Cyperus rotundus</i>	Rhizome	β -sitosterol	1976
33.	<i>Centella asiatica</i> (Mandookaparni)	Whole plant	Alcoholic extract	1976
34.	<i>Coscinium fenestratum</i> (Pitachandana)	Root bark	Berberine	1976
35.	<i>Cyperus rotundus</i> (Kaivartamusta)	Rhizome	β -sitosterol	1976
36.	<i>Enicostemma littorele</i> (Mammajjka)	Plant	Two glycosides A & B	1976
37.	<i>Glycyrhiza glabra</i> (Yastimadhu)	Root	Compound A(7-Hydroxy-2-methyl isoflavone, Comp. B and C; a new ligocoumarin	1976
38.	<i>Grewia asiatica</i> (Prausaka)	Leaves	Sitosterol and sitosterol glycosides	1976
39.	<i>Lawsonia inermis</i> (Madayanti)	Whole plant	Lawson, Laxanthone-1 and laxanthone II	1976
40.	<i>Leea acquata</i> (Kakajangha)	Whole plant	NM	1976
41.	<i>Mesua ferrea</i> (Nagakesara)	Seeds	Mesuol, mameisin and to phenolic compounds	1976



42.	<i>Pandanus tectorius</i> (Ketaki)	Root	Sitosterol and sitosterol glycosides		1976
43.	<i>Solanum nigrum</i> (Kakamachi)	Fruit	NM		1976
44.	<i>Symplocos spicata</i> (Pattikalodhra)	Stem bark	Sitosterol, Comp. B and C		1976
45.	<i>Trigonella foenum graecum</i> (Methika)	Whole plant	β -sitosterol, liquiritigenin, isoliquiritigenin, kaempferol and 7-acetoxy coumarin		1976
46.	<i>Piper sylvaticum</i>	Seeds	5-hyd-methoxy flavone, 5-hydroxy-3,4, 7-trimethoxy flavone, pipatalin and diaeudesmin		1976
47.	<i>Euphorbia nerifolia</i>	Plant	triterpenoid- β -amyirin, glutinol, glut-5(10-en-1-one)		1976
48.	<i>Euphorbia tirucallia</i>	Stem	taraxerone and tirucallol, 3,4,3-triethyl ellagic acid		1976
49.	<i>Vitex negundo</i>	Seeds	Vanillin		1976
50.	<i>Ficus hispida</i>	Berries	Isolation of active constituents	Calcutta, Delhi, Hyderabad, Lucknow and Varanasi	1977
51.	<i>Abelmoschus moschatus</i> (Kasturi latika)	Whole plant		.....do.....	1977
52.	<i>Solanum nigrum</i>	Root	Isolation of active compounds	Calcutta, Delhi, Hyderabad, Lucknow and Varanasi	1977
53.	<i>Pistacia integerrima</i> (Karkatasringi)	Gall	.....do.....	.....do.....	1977
54.	<i>Adhtoda vasica</i>	Leaves	.....do.....	.....do.....	1977
55.	<i>Cassia siamea</i>	Pods	.....do.....	.....do.....	1977
56.	<i>Symplocos spicata</i>	Stem bark, leaves	.....do.....	.....do.....	1977
57.	<i>Grewia asiatica</i>	Leaves	.....do.....	.....do.....	1977
58.	<i>Coreinium tenestratum</i>	Root	.....do.....	.....do.....	1977
59.	<i>Physalis peruviana</i> (Tipari)	Root	.....do.....	.....do.....	1977
60.	<i>Nymphae alba</i>	Flower	.....do.....	.....do.....	1977
61.	<i>Cyperus rotundus</i>	Rhizome	.....do.....	.....do.....	1977



62.	<i>Alternanthera sessilis</i>	Whole plant	.....do.....	.....do.....	1977
63.	<i>Dioscorea bulbifera</i>	Rhizome	.....do.....	.....do.....	1977
64.	<i>Apium leptophyllum</i>	Seed	.....do.....	.....do.....	1977
65.	<i>Desmostachya bipinnata</i> (kusha)	Root	.....do.....	.....do.....	1977
66.	<i>Gardenia jasminoides</i>	Gum	.....do.....	.....do.....	1977
67.	<i>Alstonia scholaris</i>	Bark	.....do.....	.....do.....	1977
68.	<i>Dioscorea prazeri</i>	Rhizome	.....do.....	.....do.....	1977
69.	<i>Dioscorea deltiodes</i>	Rhizome	.....do.....	.....do.....	1977
70.	<i>Bombax malabaricum</i>	Root Bark	.....do.....	.....do.....	1977
71.	<i>Achyranthes aspera</i> (Apamarga)	Fruit	.....do.....	.....do.....	1977
72.	<i>Randia dumetorum</i> (Madana)	Fruit	.....do.....	.....do.....	1977
73.	<i>Swertia chirata</i>	Aerial part	.....do.....	.....do.....	1977
74.	<i>Diospyros peregrina</i>	Fruit	.....do.....	.....do.....	1977
75.	<i>Vitex negundo</i>	Seed	.....do.....	.....do.....	1977
76.	<i>Mikania scandens</i>	Aerial part	.....do.....	.....do.....	1977
77.	<i>Nymphia stellata</i>	Flower	.....do.....	.....do.....	1977
78.	<i>Glycyrrhiza glabra</i>	Root	.....do.....	.....do.....	1977
79.	<i>Abelmoschus moschatus</i> (Kasturi latika)	NM	NM	.....do.....	1978
80.	<i>Achyranthus aspera</i> (Apamarga)	Plant	Saponins A,B,C and D	.....do.....	1978
81.	<i>Alpinia galanga</i> (Sugandha vacha)	Plant	Ag-I	Calcutta, Delhi, Hyderabad, Lucknow and Varanasi	1978
82.	<i>Alternanthera sessilis</i> (Matsyakesi)	NM	Glycosides, β -sitosterol and flavone	.....do.....	1978
83.	Angu (A drug claimed to be useful in leprosy)	NM	Two unidentified compounds	.....do.....	1978
84.	<i>Atlanta wightii</i> (Atavi jambira)	Plant	Umbeliforone	.....do.....	1978
85.	<i>Clitoria ternatea</i> (Aprajita)	Aerial part	NM	.....do.....	1978
86.	<i>Coccinia indica</i> (Bimbi)	Fruit, Root	NM(fruit); Lupeol, β -amyryn, β -sitotol and β -sitosterol glucoside	.....do.....	1978
87.	<i>Coscinium fenestratum</i> (Daruharidra)	Root bark	Berberine and oxy berberin	.....do.....	1978
88.	<i>Desmostachya bipinnata</i> (Kusha)	Aerial part	Terpenes	.....do.....	1978



89.	<i>Diospyros peregrine</i> (Tinduka)	Fruit	Triterpene	.....do.....	1978
90.	<i>Ficus hispida</i> (Kakodumbarika)	Berries	NM	.....do.....	1978
91.	<i>Fumaria indica</i> (Pitpapa)	NM	Fumariline, Oxysanguinarine and 8- methoxy dihydrosanguinarine	.....do.....	1978
92.	<i>Helicteres isora</i> (Mrigashringa)	Fruit	β -sitosterol	.....do.....	1978
93.	<i>Kallestroma pubescens</i>	W.Part	Diosgenin	.....do.....	1978
94.	<i>Mikania scandens</i>	NM	3,5-Hydroxy-4,6-7- triethoxy flavones, mikanin	.....do.....	1978
95.	<i>Nardostachys jatamansi</i> (Jatamansi)	NM	Fatty acids	.....do.....	1978
96.	<i>Nelumbo nucifera</i> (Kamala)	NM	β -sitosterol	.....do.....	1978
97.	<i>Nymphaea alba</i> (Kumuda)	Flower	Three solid compounds A, B (Terpenoids) and C; four solid glycosides D, E, F and G	.....do.....	1978
98.	<i>Nymphaea stellata</i> (Nilkamal)	Flower	Triacetyl ethyl gallate	.....do.....	1978
99.	<i>Pistacia integerrima</i> (Karkatasringi)	Galls	Vascicinone and siaminol	.....do.....	1978
100.	<i>Punica granatum</i> (Dadima)	Fruit	Glycosides	.....do.....	1978
101.	<i>Physalis peruviana</i> (Tipari)	Root	Alkaloids (Root), physalolactone (Leaves)	.....do.....	1978
102.	<i>Randia dumetorum</i> (Madana)	Fruit	Four glycosides	.....do.....	1978
103.	<i>Rumex nepalensis</i> (Jangli palak)	Root	Ten crystalline compounds (A to J) identified as A- chrysophanol, B- Physicion, C-Lupeol, D- β -sitosterol, E- Orientalone, G-emodin, H-sitosterol β -D- Glucoside and I-1-O- β -D- glucopyranosyl musizin, F-methoxy-5,6- methylenedioxy benzoldochoyde, J- Chrysophanol-8-O- β -D- galactopyranoside	.....do.....	1978



104.	<i>Saccharum spontaneum</i> (Kasa)	Plant	NM	.....do.....	1978
105.	<i>Selinum tenuifolium</i>	Root	Soild A and B, solid C(D-mannitol) and D(Sucrose)	.....do.....	1978
106.	<i>Solanum nigrum</i> (Kakmachi)	NM	Studied for pharmacological activities	.....do.....	1978
107.	<i>Symplococos spicata</i>	Stem	β -sitosterol	.....do.....	1978
108.	<i>Vanku</i>	NM	Steroids and terpenes	.....do.....	1978
109.	<i>Dendrophthoe elastica</i> (Andagan)	Leaves	amyrin acetate, friedelin, epifriedelinol, <i>n</i> -octacosanol, β -sitosterol, oleanolic acid and glutinol	CSMDRIA, Madras	1980
110.	<i>Euphorbia hypericifolia</i> (Dudhika)	Plant	Triterpenes alcohol and gallic acid	CSMDRIA, Madras	1980
111.	<i>Olox scandens</i> Roxb. (Dheniani)	NM	Octacosanol, glucosides of β -sitosterol and oleanolic acid and their glycons	CSMDRIA, Madras	1980
112.	<i>Caesalpinia bonducella</i> (Putikaranja)	NM	Diterpenoid	CSMDRIA, Madras	1980
113.	<i>Dysoxylum malabaricum</i> (Bilidevandru)	Heart wood	Five coumarins- Xanthoxylatin, alloxanthioxyletin, xanthyletin, luvangetin and desemethyl suberosin, skimmianine and flindersiamine, β -sitosterol	CSMDRIA, Madras	1980
114.	<i>Vicoa indica</i> (Banjhour)	NM	Three new sesquiterpene lactones	CSMDRIA, Madras	1980
115.	<i>Dichoroa febrifuga</i>	NM	<i>n</i> -Octacosanol, β -sitosterol, β -sitosterol, β -D-glucopyranoside	CSMDRIA, Madras	1980
116.	<i>Argyria cyeata</i>	NM	Epifriedelinol and β -sitosterol- β -D-glucoside,	CSMDRIA, Madras	1980
117.	<i>Strebulus asper</i> Lour (Sakhotaka)	Root Bark	Friedelin, epifriedelinol, amyirin acetate, leupenol acetate and taraxasteryl acetate	CRU Calcutta	1980
118.	<i>Dichroa febrifuga</i> Lour (Basak)	Root	Umbeliferone	CRU Calcutta	1980
119.	<i>Diospyros peregrina</i> Gurke (Tinduka)	Plant	Ketone-1	CRU Calcutta	1980



120.	<i>Hemidesmus indicus</i> R. Br.	Plant	2-methoxy -S-benzaldehyde (comp. A), Compound B and C	CRU Calcutta	1980
121.	<i>Limonia crenulata</i> Roxb. (Beli)	Plant	2,2-dimethyl chromeno coumarin, luvangetin	CRU Calcutta	1980
122.	<i>Chrysanthemum indicum</i> L. (Sevanti)	Flower	Acacetin-7-O- β -D-galactopyrenoside	CRU Calcutta	1980
123.	<i>Feronia limonia</i> L. (Kapiattha)	Root	Geranyl umbeliferone, xanthotoxin, bergapten, isopimpellin and osthol	CRU Calcutta	1980
124.	<i>Murraya eretica</i>	NM	NM	CRU Calcutta	1980
125.	<i>Aegle marmelos</i> (Bilva)	Fruit	O-methyl halfordinol and marmeline, skimipin, furanocoumarin, Xanthotoxol, β -D glycopyryncide	CRU-Delhi	1980
126.	<i>Bauhinia varigata</i> (Kachanara)	NM	Hentriacentane, acetacosanol and β -Xanthotoxol, β -sitosterol- β -D glycopyryncide	CRU-Delhi	1980
127.	<i>Trachyospermum roxburgianum</i> (Ajmoda)	NM	17 methoxyl-6-methyl ciyamarin, angelicin, pseralen, bergapten, β -sitosterol, 7-hydroxy-6methyl coumarin and G-Umbelliferone	CRU-Delhi	1980
128.	<i>Apium leptaphyllum</i>	Plant	7 compounds along with β -sitosterol	CRU-Delhi	1980
129.	<i>Cyperus pensoriex</i>	Leaves	O-prenylhal-fardinal(plant), rutin, marmesinin, β -sitosterol- β -D-glycopyranoside	CRU-Delhi	1980
130.	<i>Mallotus philippinensis</i> (Kampillaka)	NM	Acetacosanol and isorottlerin	CRU-Delhi	1980
131.	<i>Abutilon indicum</i> (Atibala)	Plant Oil	Palmitic, stearic, oleic and linolenic acids, β -sitosterol, α -amyrin	CRU, Hydrabad	1980
132.	<i>Acacia arabica</i> (Babula)		Terpenoids, flavones and phenolic compounds	CRU, Hydrabad	1980



133.	Lodhra (<i>Symplocos spicata</i>)-CRU, Varanasi		3-O- β -D-Glucopyranesyl-2x, 3B, 19x, 23-tetrahydryxyolon-12-en-2 α -oic acid, 28-O- β -glucopyranoside, 3-O- β -D-glucopyranosyl 2x, 23-tetrahydroxyura 12-en-28 oic acid, 28-O- β -D-glucopyranoside	CRU, Varanasi	1980
134.	<i>Argemone mexicana</i> (Swarnakshiri)	Seeds	Alkaloids	CRU, Varanasi	1980
135.	<i>Sterbulus asper</i> (Sakhotaka)	Plant	Tupenol, lupeol acetate, sitosterol and sitosterol glucoside	CRU, Varanasi	1980
136.	<i>Albizzia lebbeck</i> (Sirisa)	Bark	Saponin	CRU, Varanasi	1980
137.	<i>Fumaria indica</i> (Pitapapra)	NM	9 alkaloids-tetrahydrocoptisine, adlumidine, bicuculline, fumariline, narulumidine, protopine, F1, F2 and F3	CRU, Varanasi	1980
138.	<i>Abutilon indicum</i> (Atibala)	Root	Fatty acids	ChRUH	1982
139.	<i>Anacyclus pyrethrum</i> (Akarakara)	Plant	NR	ChRUH	1982
140.	<i>Ardisia littoralis</i> (used as adulterant for <i>Embelia ribes</i>)	Seed	An orange color comp. (not identified yet)	RRI-T	1982
141.	<i>Basella alba</i> (Potaki, Putika)	Whole plant	terpene, flavones, glycoside	RRI-T	1982
142.	<i>Madagascariensis</i> Lamk (Buddleja)	Shoot	<i>n</i> -octacosanol, β -sitosterol, β -sitosterol β , D-glucopyranoside, triterpens	CSMDRIA M	1982
143.	<i>Butea monosperma</i> (Palasa)	Leaves, bark and root	Steroids and terpenoids in all parts Glycosides, Flavonoidal glycosides and anthocynins	ChRUH	1982
144.	<i>Murraya exotica</i> L. (Marchula)	Plant	Coumarin Murralongin	Varanasi, Calcutta, Delhi and Hyderabad Units	1984



145.	<i>Hemidesmus indicus</i> (Sveta Sariva)	Root	Unknown (M.P. 145 ⁰ C)	.....do.....	1984
146.	<i>Swertia chirata</i> (Kiratatikta)	Plant	Unknown Xanthone derivative (M.P. 152 ⁰ C)	.....do.....	1984
147.	<i>Edgeworthia gardneri</i>	Stem-bark	Unknown (M.P. 230-232 ⁰ C) identical with depthnoretin acetate	.....do.....	1984
148.	<i>Aphanamixis polystachya</i> (Rohitaka)	Fruit-Shells	Aphanahin (M.P. 230-232 ⁰ C)	.....do.....	1984
149.	<i>Clerodendron splendense</i> (Bharangi Beda)	Plant	(24-S)-Ethyl cholesta-5-22,25-triene-3 β -ol; Hispdulin and Hispidulin-4'-galactoside	.....do.....	1984
150.	<i>Psoralea corylifolia</i> (Bakuchi)	Seed	Unknown	.....do.....	1984
151.	<i>Betula utilis</i> D. Don (Bhuja Patri)	Stem-bark	Unknown (M.P. 258 ⁰ C)	.....do.....	1984
152.	<i>Vicoa indica</i> (Banjauri)	Plant	Vicolide D (Structure-2',3'-epoxy vicolide B)	.....do.....	1984
153.	<i>Nyctanthes arbortristis</i> (Sephalka/ Harsinghar)	Seed	Arbortristoside A & B	.....do.....	1984
154.	<i>Heynea trijuga</i> (Kapiakushi)	-----	Tetracyclic triterpeneheynic acid and 24-methylene cycloart-3, 21-diol; tetranortriterpenoids-trijugnenolide A and B	.....do.....	1984
155.	<i>Aglaiia roxburghiana</i> (Priyangu (S))	-----	Four compounds (A1 to A4). A1 (Cycloartenol); A2 (β -sitosterol); A3 (roxburghiadiol A); A4 (roxburghiadiol B)	.....do.....	1984
156.	<i>Ervatamia heyneana</i> (Nagkuda (M))		Triterpenes- Amyrin and lupeol besides other compounds- β -sitosterol; ursolic acid and triterpene acid, Alkaloid: Voacristine (20-hydroxy voacangine). Non alkaloidal portion gave urudic acid	.....do.....	1984
157.	<i>Argemone mexicana</i> (Svarnkhiri)	Root	Nor-sanguinarine	.....do.....	1984
158.		Flower	3-Methoxy-quercetin and Vanillic acid	.....do.....	1984



159.	Tepuria (B) (<i>Physalis peruviana</i>)	Root	Withaperuvin G characterized as 2,3-epoxide of withanolide E	.....do.....	1984
160.	Rohitaka (<i>Tecomella undulate</i>)	Plant	TU-1 and TU-2	.....do.....	1984
161.	Parpata (<i>Fumaria indica</i>)	-----	Protopine nitrate and tetrahydrocopticine hydrochloride along with (+)-adlumidine, nor-sanguinarine and C ₂₀ H ₁₇ NO ₆ (Uncharacterised)	.....do.....	1984
162.	Saka (<i>Tectona grandis</i>)	Root	TR-1 (Lapachol); TR-2; TR-3 (4-methoxy vanillic acid) and TR-4	.....do.....	1984
163.	Myladi (Tam.) (<i>Vitex pubescens</i>)	Flower	Friedelin and β -sitosterol ; flavonoids-vitexin and isovitexin	.....do.....	1984
164.	<i>Berrya annonilla</i>	Leaves	β -amyrin, β -sitosterol and kaempferol	.....do.....	1984
165.	Agnimantha (<i>Premna integrefolia</i>)	Plant	<i>n</i> -triacontanol, β -sitosterol, 6-C- β -D-glucopyranosyl-8-C- β -D-xylo pyranosyl apigenin	Varanasi, Calcutta, Delhi and Hyderabad Units	1985
166.	Vandhyavari (<i>Vicoa indica</i>)	-----	C ₁₄ H ₂₂ O ₄	.....do.....	1985
167.	Rasna bheda (<i>Alpinia galanga</i>)	Plant	di-(p-Hydroxy-cis-styryl)methane	.....do.....	1985
168.	Vibhitaki (<i>Terminalia belerica</i>)	Fruit	Unknown	.....do.....	1985
169.	Kiradantika (<i>Swetia chirata</i>)	----	Chiratanian	.....do.....	1985
170.	Heribera (<i>Aphanamixis polystachya</i>)	-----	New bitter principle	.....do.....	1985
171.	Hingu (<i>Ferula foetida</i>)	Plant	Ferocolicin	.....do.....	1985
172.	Kapitha (<i>Feronia limonia</i>)	Fruit	Petrol fraction-Unknown terpenoids(M.P. 68-70 ⁰ C), Methanolic extract of stem and root under progress	.....do.....	1985
173.	Lata-karanja (<i>Caesalpinia crista</i>)	Fruit shells	Polyhydroxy compound	.....do.....	1985



174.	Shallaki (<i>Boswellia serrata</i>)	Essential oil from gum	Isolated from gum. Analysed by TLC and GLC (36 components); among them, nine are monoterpene hydrocarbons and two are light oxygenated components, α -pinene and β -pinene	.....do.....	1985
175.	<i>Edgeworthia gardneri</i>	NM	Unknown compound	.....do.....	1985
176.	Nirgundi (<i>Vitex negundo</i>)	Leaves	5-Hydroxy-7, 3', 4',5-tetramethoxy flavones and 5,6,7,8,3',4',5'-Heptamethoxy flavone	.....do.....	1985
177.	Parijatha (<i>Nyctanthes arbortristis</i>)	Seed	Arbortristoside A and Arbortristoside B; two flavanol glycosides astragalin, nicotiflorin, mannitol, β -sitosterol, β -amyrin, hentriacontane and benzoic acid	.....do.....	1985
178.	Parpataka (<i>Fumaria indica</i>)	Seed, Stem, bark, leaf and root	Unknown compound	.....do.....	1985
179.	Madayantika (<i>Lawsonia inermis</i>)	Root	Unknown compound	.....do.....	1985
180.	Rohitaka (<i>Tecomella undulate</i>)	Bark	Two compounds	.....do.....	1985
181.	Saka (<i>Tectona grandis</i>)	-----	TR-1 characterized as Lapachol; TR-2 unknown compounds	.....do.....	1985
182.	Vasa (<i>Adatoda vasaka</i>)	Flower, leaves, stem, and roots	Vasicine (leaves)	.....do.....	1985
183.	Amlavetasa (<i>Garcinia indica</i>)	Bark	Unknown comp. (light yellow colored crystals)	.....do.....	1985
184.	<i>Atlania racemosa</i>	-----	Compound C	.....do.....	1985
185.	<i>Bougainvillia glabra</i>	Flowers, the dried and powdered leaves of the plant	i)Bitacyanin & flavonoids (Hexane extract); ii) Octacosanol (M.P. 83 ⁰ C); β -sitosterol, iii) Octacosanol; β -sitosterol and β -sitosterol, β -D glucoside(M.P. 284 ⁰ C)	.....do.....	1985



186.	<i>Bougainvillea spectabilis</i>	Fresh leaves	Water soluble fractions	.....do.....	1985
187.	<i>Gardanthera triflora</i>	Plant	Unknown compound	.....do.....	1985
188.	<i>Jatropha gossypifolia</i>	Plant	Flavanone	.....do.....	1985
189.	Amlavetas (<i>Garcinia padenculata</i> Roxb.)	Dry fruit(Pulp)	Gp-2 (Unknown compound)	Delhi, Lucknow, Madras, Trivandrum, Varanasi, Calcutta, Delhi and Hyderabad	1986
190.	Adraka (<i>Zingiber officinalis</i> Rosc.)	----	Unknown compound	.....do.....	1986
191.	Arsaghna (<i>Amorphophyllus campanulatus</i> Roxb. Bl.)	-----	-----	.....do.....	1986
192.	Bakuchi (<i>Psoralea corylifolia</i> L.)	Seed	Comp. A, Comp. B and Comp. C (All were found to be coumarins)	.....do.....	1986
193.	Bhurja patra (<i>Betula utilis</i> D.Don)	(a) Bark, (b) Leaves	(a) Betulin (b) Comp. B1 and B2	.....do.....	1986
194.	Jyotismati (<i>Celastrus paniculatus</i> Willd.)	(a) Leaves, (b) Stem bark, (c)Heart wood	(a) α and β -amyrin (b) Unknown,(c) Unknown	.....do.....	1986
195.	Hingu (<i>Ferula foetida</i>)	-----	Sesquiterpenes	.....do.....	1986
196.	Kairata(<i>Swertia chirata</i>)	-----	Some Anti-inflammatory constituent	.....do.....	1986
197.	Amra(<i>Mangifera indica</i>)	-----	Some Anti-inflammatory constituent	.....do.....	1986
198.	Karchura(<i>Hedychium spicatum</i>)	Plant	Essential oil	.....do.....	1986
199.	Katnim (<i>Murrya exotica</i>)	Leaves	Murraxonin	.....do.....	1986
200.	Nagakesar (<i>Mesua ferrea</i> L.)	Stamens	β -amyrin, β -sitosterol and Mesuaferrol	.....do.....	1986
201.	Nirgundi (<i>Vitex negundo</i> L.)	Seeds	Unknown compound (Anti-inflammatory activity)	.....do.....	1986
202.	Parpataka (<i>Fumaria indica</i>)	-----	Unknown Alkaloids viz. Fi-St-1, Fi-St-2, Fi-St-3 and Fi-St-4	.....do.....	1986



203.	Rametha (<i>Lasiosiphon eriocephalus</i> Gene)	Leaves	Lasiocephalin a xanthone glycoside	.....do.....	1986
204.	Rohitaka (<i>Aphanamixis polystachya</i> Wall. Parker)	-----	Aphanamixolide	.....do.....	1986
205.	Saka (<i>Tectona grandis</i>)	(a)Stem bark, (b) Root	a) TG-1, TG-2, TG-3, TG-4 were identified as lupeol, betulin, betulinic acid and betulinic aldehyde b)TR-8, naphthaglunone	.....do.....	1986
206.	Sallaki, Kunduru (<i>Boswellia serrata</i>)	Gum oleoresin	Essential oil	.....do.....	1986
207.	Ulatkambal (<i>Abroma angusta</i> L. f.)	----	Unknown (Yellow phenolic compound M.P.= 220 ⁰ C)	.....do.....	1986
208.	Vasa (<i>Adhatoda vasica</i> Nees.)	Flower, leaves and stem	NR	.....do.....	1986
209.	Vriksamla (<i>Garcinia pedunculata</i>)	Stem bark	Phenolic compound	.....do.....	1986
210.	Kuberakshi (<i>Caesalpinia crista</i> L.)	----	Polyhydroxy compound	.....do.....	1986
211.	AYUSH-56	Ingredient and different tablet extracts	----	.....do.....	1986
212.	AYUSH-64	Ingredient and different tablet extracts	----	.....do.....	1986
213.	Badari (<i>Zizyphus jujube</i> Lam)	Different parts	Zj-I(m.p. 263-265 ⁰ C)- Stem bark; Zj-II(ethyl acetate extract of roots), Zj-P (m.p. 283-284 ⁰ C)- from petrole extract of roots, Amphibian-H, nummmularine-B (Stem bark)	Delhi, Lucknow, Madras, Trivandrum, Varanasi, Calcutta, Delhi and Hyderabad	1987
214.	Balhika, hingu (<i>Ferula assafoetida</i> L.)	Plant	di-(<i>p</i> -Hydroxy-cis-styryl)methane	.....do.....	1987
215.	Dhurva (<i>Cynodon dactylon</i> L.)	Aerial part	Chlorophyll and waxy substance- (Petrol ether and acetone); Luteolin, orientin and iso-orientin	.....do.....	1987



216.	Granthiparani (<i>Leonotis nepetiaefolia</i>)	Root	Campesterol, 4,6,7-trihydroxy-5-methylchromene-2-one and unidentified compound	.....do.....	1987
217.	Haritaki (<i>Terminalia chebula</i> Retz.)	-----	TC-1, TC-2	.....do.....	1987
218.	Kamini, Marchala (<i>Murraya exotica</i> L.)	Leaves	Coumain acetate - Murraxocin;	.....do.....	1987
219.			Dipeptide amide-aurantiamide	.....do.....	1987
220.	Kantaki karanja (<i>Caesalpinia crista</i> L.)	Fruit shell	Polyhydroxy compound	.....do.....	1987
221.	Karnasphutica, Pisumar (<i>Boeninghaussania albiflora</i> Reich)	Plant	BG-1, BG-II, BG-III, BG-IV and BG-V	.....do.....	1987
222.	Kataka (<i>Strychnos potatorum</i> L.)	Seed	A number of Unknown compounds	.....do.....	1987
223.	Lata Kasturi (<i>Abelmoschus moschatus</i> Medic syn. <i>Hibiscus abelmoschus</i> Medic)	Seed	Unknown compounds	.....do.....	1987
224.	Nagakesara (<i>Mesua ferrea</i> L.)	Stamen	β -amyirin, β - sitosterol and mesuaferol	.....do.....	1987
225.	Patala (<i>Stereospermum suaveolens</i> D.C.)	Root	Terpenoids (Petrol ether); Flavonoids (chloroform); Flavonoids, glycosides and terpenoids(Root); Terpenoids and glycosides in all the extracts (Bark)	.....do.....	1987
226.	Sallaki (<i>Boswellia serrata</i> Roxb.)	Gum oleoresin	Essential oil: α -pinene, camphene, α -phellandrene, α -terpinene, bornyl acetate and α -terpenoel	.....do.....	1987
227.	Sariva (<i>Hemidesmus indicus</i> R.Br.)	Plant	Coumarin derivative	.....do.....	1987
228.	Siddhaka (<i>Lagerstroemia parviflora</i> Roxb.)	Whole Plant	Lageflorin (a triterpenoide diketone)	.....do.....	1987
229.	Soma (<i>Sarcostemma brevistigma</i> W. & A.)	Stem	Three neutral compounds	.....do.....	1987



230.	Taimuli, Musali (<i>Curculago orchioides</i> Gaertn.)	Root	An ester and octacosanol	.....do.....	1987
231.	Tarkari (<i>Clerodendrum phlomidis</i> L.)	Flower	Comp. A (Pectolinarigenin), Comp. B (hispidulin), Comp. C(apigenin)	.....do.....	1987
232.	Varsabhu (<i>Trianthema protulacastrum</i> L.)	----	Sterol and a triterpene acetate	.....do.....	1987
233.	Vasa (<i>Adatoda vasica</i> Nees)	Flower, Leaves, stem	Vasicine and Kaempferol (Flower); Vasicine (Leaves); Comp.-1, Comp.-2, Comp.-3 and Comp.-4 (Stem);,	.....do.....	1987
234.	Virhdharuka (<i>Ipomea petaloides</i> Choisy)	Whole plant	Presence of terpenoids (Petrol ether and chloroform extract); phenolics, flavanoids, glycosides and terpenoids (methanol extract)	.....do.....	1987
235.	Vrksamla (<i>Garcinia indica</i> Chois)	Stem Bark	Unknown Yellow comp.	.....do.....	1987
236.	Arka (<i>Calotropis gigantean</i> L. R.Br.)	Leaves	---	.....do.....	1987
237.	Alarka (<i>Solanum trilobatum</i> L.)	Plant	STG	.....do.....	1987
238.	Chitraka (<i>Plumbago rosea</i> L.)	Root	Plumbagin	.....do.....	1987
239.	Guduchi (<i>Tinospora cordifolia</i> Willd. Miers.)	Plant	Satgiloe	.....do.....	1987
240.	Khadira (<i>Acacia catechu</i> Willd)	Plant	Literature survey	.....do.....	1987
241.	Rajbala (<i>Sida veronicaefolia</i> Lam.)	Plant	Literature survey	.....do.....	1987
242.	Sataparna (<i>Alstonia scholaris</i> R. Br.)	Plant	Echitamine chloride	.....do.....	1987
243.	Sati (<i>Hedychium spicatum</i> Buch- Ham)	W. Plant	Unknown compound	.....do.....	1987
244.	Tryamana (<i>Gentiana kurroo</i> Royle)	Plant	Literature survey	.....do.....	1987
245.	Tvakpatra(<i>Cinnamomum tamala</i> Nees and Ebern)	Plant	Literature survey	.....do.....	1987



246.	Alarka (<i>Solanum trilobatum</i>)	Leaves, stem and immature fruit	Alkaloids	Delhi, Lucknow, Madras, Trivandrum, Varanasi, Calcutta, Delhi and Hyderabad	1988
247.	Amalvetasa (<i>Garcinia pedunculata</i>)	Fruit	Unknown crystalline substances	.....do.....	1988
248.	Badara (<i>Zizyphus jujuba</i>)	Plant	Zizibernelic acid, synothic acid and a triterpenoid acid	.....do.....	1988
249.	Badara (<i>Zizyphus jujuba</i>)	Different parts of plant	Frangalamine, Nummularine-A, iso-leucine, glycine, erythro and three β -hydroxy leucine (Root bark); Mucronine-C, Amphibine-H, Turbanine-A and B (Stem bark); Asparaginine, glucose, fructose, galactose and individual fatty acids (Seeds); Protopine, berberine, Vit. C and rustin, ascorbic acid, flavones glycoside, saponion (Fruits).	.....do.....	1988
250.	Balhika, hingu (<i>Ferula assafoetida</i> L.)	---	Ferulassin	.....do.....	1988
251.	Banjouri (<i>Vicoa indica</i> (L.) DC.)	Plant	Nicodiol vicodiol	.....do.....	1988
252.	Bhrangi (<i>Clerodendrum splendens</i>)	Plant	Flavonoidglycoside	.....do.....	1988
253.	Bhurja (<i>Betula utilis</i>)	Leaves	-----	.....do.....	1988
254.	Guduchi (<i>Tinospora cordifolia</i> Willd. Miers.)	Plant	----	.....do.....	1988
255.	Haritaki (<i>Terminalia chebula</i>)	----	Polyhydroxy acid, syringic acid and galic acid	.....do.....	1988
256.	Jambu (<i>Syzygium jambos</i>)	Leaflets	Betulinic acid	.....do.....	1988
257.	Jyothishmati (<i>Celastrus paniculatus</i>)	Stem	Phytosterol	.....do.....	1988



258.	Kapiyakushi (<i>Heynea trijuga</i>)	Plant	Trijugin A, Trijugin B and Trijugin C	.....do.....	1988
259.	Karnasphutica, Pissumar (<i>Boeninghausenia albiflora</i>)	Plant	BG-I to BG-V; BG-IV (Murralongin); BG-V(Jayantinin)	.....do.....	1988
260.	Kataka (<i>Strychnos potatorum</i>)	Plant	In Pet. ether fraction : SP-1, SP-2, SP-3 and SP-4; SP-5 to SP-9 (Benzene fraction)	.....do.....	1988
261.	Krishna sariva (<i>Cryptolepis buchanani</i>)	Root	β -sitosterol, amyrin, and 2-hydroxy-4methoxy benzaldehyde	.....do.....	1988
262.	Langali (<i>Gloriosa superba</i>)	Root	Not mentioned	.....do.....	1988
263.	Mehameda (<i>Polygonatum cerifolium</i>)	Plant	.....do.....	.....do.....	1988
264.	Neem (<i>Azadirachta indica</i>)	Flower	.....do.....	.....do.....	1988
265.	Patala (<i>Stereospermum suaveolens</i>)	Root	.....do.....	.....do.....	1988
266.	Priyangu (<i>Aglaia roxburghiana</i>)	NA	Roxyburghiadiol A and B have been revised as I and II	.....do.....	1988
267.	Sariva (<i>Hemidesmus indicus</i>)	Root	HI/5(5) and HI/6(6)	.....do.....	1988
268.	Sathi (<i>Hedychium spicatum</i>)	Plant	-----(Not mentioned)	.....do.....	1988
269.	Siddhaka (<i>Lagerstroemia parviflora</i>)	Plant	A new Triterpenoid-Lageflorium	.....do.....	1988
270.	Sigru (<i>Moringa oleifera</i>)	Bark	-----(Not mentioned)	.....do.....	1988
271.	Soma(<i>Sarcostemma brevistigma</i>)	Plant	In progress	.....do.....	1988
272.	Tarkari (<i>Clerodendrum phlomidis</i>)	Root	Santellarein, Clerodin, Chlerodendrin-A and a steroidal glycoside (root); β -sitosterol, hispidulin and apigenin (Stem); β -sitosterol, (24)-ethyl cholest-5,22,25-trien-3-ol (Leaves)	.....do.....	1988
273.	Tejapatra (<i>Cinnamomum tamala</i>)	Plant	-----(Not mentioned)	.....do.....	1988



274.	Vasaka (<i>Adhatoda vasica</i>)	Stem	Unknown (M.P.= 196 ⁰ C)- Chloroform; Desoxyvasicine (M.P.= 98 ⁰ C)	.....do.....	1988
275.	Variksmala (<i>Garcinia indica</i>)	Stem	Unknown (M.P.= 22 ⁰ C)	.....do.....	1988
276.	Agnimantha (<i>Premna integrifolia</i>)	Bark, stem and leaves	Pi-1 (M.P. 83-84 ⁰ C)	Delhi, Lucknow, Madras, Trivandrum, Varanasi, Calcutta, Delhi and Hyderabad	1989
277.	Ananta; Sariva (<i>Hemidesmus indicus</i>)	---	Coumarino lignoid-Hemidemin-3	.....do.....	1989
278.	Alarka (<i>Solanum trilobatum</i>)	Plant, Aerial Parts	Seasonal variation in the yield of glycoalkaloids	.....do.....	1989
279.	Amratoka (<i>Spondias mangifera</i>)	Air dried leaves	Triacontanol, β -amyrin and sitosterol	.....do.....	1989
280.	Ashvashakota (<i>Glycosmis pentaphylla</i>)	Plant	GP-1 (Carbazole alkaloid-glycozoline)	.....do.....	1989
281.	Badari (<i>Zizyphus jujube</i> Lam)	Different parts	Betulinic acid and betulin (Stem bark); Zizyberanalic acid alog with already known compounds viz. lupeol, betulinic aci and ceanothic (Bark and roots)	.....do.....	1989
282.	Bhurjapatra (<i>Betula utilis</i>)	Leaves	Flavonoid	.....do.....	1989
283.	Chirabilva (<i>Holoptelea integrifolia</i>)	Bark	Friedelin, Epi-Friedelinol	.....do.....	1989
284.	Ishvari (<i>Aristolochia indica</i>)	Root	Sitosterol, amyrin and friedelin (Benzene extract)	.....do.....	1989
285.	Jyotismati (<i>Celastrus paniculatus</i> Willd.)	Seed	β -amyrin and sitosterol; Ether fraction and ethyl acetate extract -CPI (E), and CPI-Et	.....do.....	1989



286.	Karnsphutika (<i>Boeninghaussania albiflora</i>)	-----	BG(B)-2(B) and BG(B)- 2C the later one was identified as Dehydrogejerin ; Matsukazelactone and Bhuaneshwin; Bergapten from hexane fraction	.....do.....	1989
287.	Kasturi (Musk)	-----	NM	.....do.....	1989
288.	Kataka (<i>Strychnos potatorum</i>)	Plant	In Pet. ether fraction : SP-1, SP-2, SP-3 and SP-4; SP-5 to SP-9 (Benzene fraction)	.....do.....	1989
289.	Kumkum	Root	β -sitosterol, amyirin, and 2-hydroxy-4methoxy benzaldehyde	.....do.....	1989
290.	Kustha (<i>Symplocos spicata</i>)	Plant	Spinasterol	.....do.....	1989
291.	Madanphala (<i>Randia dumtorum</i>)	Plant	RD-I, RD-II and RD-III	.....do.....	1989
292.	Nimba (<i>Azadirachta indica</i>)	Flower	Phenolic and flavonoids;	.....do.....	1989
293.	Nirgundi (<i>Vitex negundo</i>)	Plant	Sitosterol and sitosterol glycosides; Vn-1, Vn-2 and Vn-3	.....do.....	1989
294.	Parijata (<i>Nyctanthes arbortristis</i>)	Leaves	Arbortristoside A, C and D	.....do.....	1989
295.	Puga (<i>Areca catechu</i> L.)	----	AC-I, AC-II and AC-III and AC-IV	.....do.....	1989
296.	Sathi (<i>Hedychium spicatum</i>)	Plant	Terpenoids and phenol (Pet. ether); Phenol and glycosides (chloroform); Phenol, flavonols and glycosids (methanol)	.....do.....	1989
297.	Parpata (<i>Fumaria indica</i>)	Seed	Secophthalide quinoline alkaloid- Narceimicine	.....do.....	1989
298.	Tamala (<i>Cinnamomum tamala</i>)	Bark	----- (Not mentioned)	.....do.....	1989
299.	Tejapatra (<i>Cinnamomum macrocarpum</i> Hook)	Leaves	Sitosterol	.....do.....	1989
300.	Vandhyavari (<i>Vicoa indica</i>)	Plant	Vicogenin or Vi/245 (2,3,16,17,23- pentahydroxy-28-nor- olean-12-ene); Vi/1, Vi/2, Vi/3 and Vi/4	.....do.....	1989



301.	Vriksamla (<i>Garcinia indica</i> Chois)	----	Unknown (Yellow phenolic compound M.P.= 220 ⁰ C)	.....do.....	1989
302.	<i>Lasiosiphon eriocephalus</i> Decne	Aerial parts	Lasioside (M.P.= 220 ⁰ C) characterized as 3-O-[2'-one-prop-1-ol]-5-arabinosyl-8-hydroxy xanthone	.....do.....	1989
303.	<i>Woodfordia fruticosa</i>	Flower	----- (Not mentioned)	.....do.....	1989
304.	<i>Premna integrifolia</i>	Plant	----- (Not mentioned)	.....do.....	1989
305.	<i>Trianthema portulacastrum</i>	Plant	----- (Not mentioned)	.....do.....	1989
306.	<i>Gmelia arborea</i>	---	----- (Not mentioned)	.....do.....	1989
307.	<i>Raphanus sativus</i>	Seeds	----- (Not mentioned)	.....do.....	1989
308.	<i>Garcinia pedunculata</i>	Leaves	----- (Not mentioned)	.....do.....	1989
309.	<i>Phoenix dactylifera</i>	Fruit	----- (Not mentioned)	.....do.....	1989
310.	<i>Hibiscus abelmoschus</i>	Seed	----- (Not mentioned)	.....do.....	1989
311.	<i>Dalbergia sisoo</i>	Leaves	----- (Not mentioned)	.....do.....	1989
312.	<i>Betula utilis</i>	Leaves and stem bark	----- (Not mentioned)	.....do.....	1989
313.	<i>Ficus gibbosa</i>	Fruit	----- (Not mentioned)	.....do.....	1989
314.	<i>Zingiber officinale</i>	Rhizome	----- (Not mentioned)	.....do.....	1989
315.	Agnimantha (<i>Premna integrifolia</i>)	stem and leaves	Premnazole (3-carbomethoxy-5-methyl isoazole)	.....do.....	1990
316.	Amlavetasa (<i>Garcinia pedunculata</i>)	Fruit	-----	.....do.....	1990
317.	Amlika (<i>Tamarindus indica</i> L.)	Fruit	Positive test for acids, carbohydrates, phenols and terpenoids	.....do.....	1990
318.	Ananta, Sariva (<i>Hemidesmus indicus</i>)	Plant	Phenolic compound- HI/7 and HI/8(3-hydroxy-6-methoxy benzaldehyde)	.....do.....	1990
319.	Ashvashakota (<i>Glycosmis pentaphylla</i>)	Plant	GP-1 (Carbazole alkaloid-glycozoline), GP-2, GP-3 & GP-4	.....do.....	1990
320.	Bhunimba	NM	Not mentioned	.....do.....	1990
321.	<i>Andrograpis paniculata</i>	-----	-----	.....do.....	1990
322.	Bhurjapatra (<i>Betula utilis</i>)	---	Flavonoids	.....do.....	1990
323.	Canadan (<i>Sanatatum album</i> L.)	----	----- anti-malarial activity ----	.....do.....	1990
324.	Gambhari (<i>Gmelia arborea</i>)	Stem and leaves	Premnazole	.....do.....	1990



325.	Ghiwain (<i>Elaeagnus latifolia</i> L.)	Leaves	NM	.....do.....	1990
326.	Jati (<i>Jasminum grnadiflorum</i>)	Whole plant	NM	.....do.....	1990
327.	Jyotismati (<i>Celastrus paniculatus</i> Willd.)	-----	CP-(II)	.....do.....	1990
328.	Karnsphutika (<i>Boenninghausania albiflora</i>)	-----	Coumarin-albiflorin-I, umbelliferone and methylene chloride fraction of methanolic extract afforded BG(m)-10 and BG(M)-10 or albiflorin	.....do.....	1990
329.	Kasamarda (<i>Cassia occidentalis</i>)	Seed	Sitosterol, amyirin and friedelin (Petrol ether); Flavonoid (alcoholic); PCO-I, PCO-II, PCO-III & PCO-IV	.....do.....	1990
330.	Kataka (<i>Strychnos potatorum</i>)	Seed	-----	.....do.....	1990
331.	Kulanjana (<i>Alpinia galangal</i>)	Root	1'-acetoxychavicol acetate	.....do.....	1990
332.	Mamsrohini (<i>Soymida febrifuga</i> A. Juss.)	Bark	NM	.....do.....	1990
333.	Mushkbala (<i>Valeriana wallichii</i> DC.)	Root	VW-I	.....do.....	1990
334.	Nimba (<i>Azadirachta indica</i>)	Flower	Sitosterol	.....do.....	1990
335.	Panasa (<i>Artocarpus hetrophyllus</i>)	Ethereal extract of the latex of drug	Cycloartenone	.....do.....	1990
336.	Parijata (<i>Nyctanthes arbortristis</i> L.)	Seeds	Phenylpropanoid glucoside	.....do.....	1990
337.	Puga (<i>Areca catechu</i> L.)	----	AC-I, AC-II, AC-III & AC-IV	.....do.....	1990
338.	Raktacandana (<i>Pterocarpus santalinus</i> L. f.)	----	-----	.....do.....	1990
339.	Sathi (<i>Hedychium spicatum</i>)	Plant	Could not yield any single comp. further work in progress	.....do.....	1990
340.	Shrivati (<i>Mussaenda frondosea</i> var. <i>glabrata</i> Hook. f.)	Leaves	Triacantanol, amyirin and sitosterol (Benzene extra Act); Quercetin (Ether)	.....do.....	1990



341.	Sigru (<i>Moringa oleifera</i> Lam.)	Stem Bark	Sitosterol ; methanol extract gives test for glycosides and proanthocyanins	.....do.....	1990
342.	Tarkari (<i>Clerodendrodium phlomidis</i> L.)	Flower	Comp- A, B, C; Comp is characterized as pectolinarigenin (5, 7-dihydroxy-4', 6-dimethoxy flavones)	.....do.....	1990
343.	Tavakpatra, Tamala (<i>Cinnamomum tamala</i> Nees & Eberm.)	---	Literature survey	.....do.....	1990
344.	Vahisa (<i>Momordica diocia</i> Roxb.)	---	Literature survey	.....do.....	1990
345.	Vandhyavari (<i>Vicoa indica</i>)	(a)Plant; (b)Aerial parts	(a)Vi/1, Vi/2, Vi/3 and Vi/4; Vi/1(long chain fatty ester), Vi/4 (guaianolide) identification of others are in progress. (b) 28-nor-triterpenoid glucoside viz. Vicoside A (2 β , 3 β ,16 β , 23-tetra hydroxyl-17 β -formyloxy-28-norolean-12-ene-3-O- β -D-glucopyranoside; VI/145	.....do.....	1990
346.	Vriksamla (<i>Garcinia indica</i> Chois)	----	Unknown (Yellow phenolic compound M.P.= 220 ⁰ C)	.....do.....	1990
347.	<i>Clerodendrum splenden</i>	Leaves	Colorless crystalline substance (M.P. 189-190 ⁰ C)	.....do.....	1990
348.	Alabu(<i>Lagenaria siceraria</i>)	Seed	β -amyrin and sitosterol	.....do.....	1991
349.	Alarka (<i>Solanum trilobatum</i> L.)	Root, stem, flower and berries (ripe and unripe)	Steroidal alkaloid-solasodine. Alkaloide content was highest in leaves	.....do.....	1991



350.	Badara (<i>Zizyphus jujuba</i> Lam.)	(a) Bark, (b) Leaves	(a) Ceanothic acid, p-hydroxy benzoic acid(b) β - amyrin, friedelin and sitosterol (Benzene extract); caffeic acid (ether extract); apigenin, quercetin and its glycosides (ethyl acetate extract)	.....do.....	1991
351.	Bala (<i>Sida cordifolia</i> L.)	Whole plant	Crytalline red solid (m.p. 210 ⁰ C)	.....do.....	1991
352.	Bhandir (<i>Clerodendrum infortunatum</i> L.)	Root	Flavonoids-quercetin (m.p. 103-118 ⁰ C); Comp. II (m.p. 213-215 ⁰ C) & Comp. III	.....do.....	1991
353.	Bharangi- Bhed (<i>Clerodendrum splendense</i>)	Flower petals	(24-S)- ethylcholesta 5, 22, 25-trien-3 β -ol; ether fraction of the ethanol extract (flavanoid)	.....do.....	1991
354.	Bhurja(<i>Betula utilis</i> D.Don)	---	Flavonoids	.....do.....	1991
355.	Jati (<i>Jasminum grandiflorum</i>)	a)Whole plant b)Fresh flowers	a)Two crystalline solids (m.p. 262-263 ⁰ C and 330-331 ⁰ C), b) Four crystalline comp. (m.p. 179, 200,180 & 195 ⁰ C )	.....do.....	1991
356.	Karnsphutika (<i>Boenninghaussania albiflora</i>)	Whole plant	Coumarins viz. albiflorin-2 (m.p. 94-95 ⁰ C), albiflorin-3(m.p. 144-145 ⁰ C), Albiflorin-2 is the diastereoisomer of albiflorin-3. Komalin (m.p. 122-123 ⁰ C)	.....do.....	1991
357.	Mamsrohini (<i>Soymida febrifuga</i> A. Juss.)	Bark	Methyl angolensate	.....do.....	1991
358.	Panasa (<i>Artocarpus integrifolia</i> L.f.)	Latex of drug	A crystalline solid (m.p. 142-144 ⁰ C)	.....do.....	1991
359.	Parijata (<i>Nyctanthes arbortristis</i> L.)	a)Seeds & Flower	a) p-methoxycinnamic acid, β -sitosterol glycosides, arbortristoside- A & B, b) 6-hydroxy loganin characterized as 6-O-trans-cinnamoyl-6 β -hydroxy loganin and 7-O-trans-cinnamoyl-6-hydroxy loganin	.....do.....	1991



360.	Parpata (<i>Fumaria indica</i> Pugsley)	Stem	Five alkaloids viz. protopine (201-203 ^o C), protopine nitrate(262-264 ^o C), narlumidine(247-249 ^o C), dl-tetrahydrocoptisine (220-222 ^o C), and a new alkaloid narlumicine (161-163 ^o C),	.....do.....	1991
361.	Pithari (<i>Glossocardia bosvallia</i> DC.)	Aerial part	Two crystalline comps (m.p. 75 and 60 ^o C) (pet. ether); 8 compounds (chloroform); flavones, terpenens, steroids and glycosides (methanol)	.....do.....	1991
362.	Puga (<i>Areca catechu</i>)	Nut	Aurantiamide acetate	.....do.....	1991
363.	Rohita (<i>Aphanamixis polystachya</i> W. & P.)	Bark	Methyl angolensate (M.P. 199-200 ^o C)	.....do.....	1991
364.	Shrivati (<i>Mussaenda frondosea</i> var. <i>glabrata</i> Hook.f.)	Leaves	Apiginin, orientin and iso-orientin	.....do.....	1991
365.	Tagara (<i>Valeriana wallichii</i> DC.)	Root	Betulnic acid (Ether soluble ext.); sitosterol- β -D-glucoside (Ethyl acetate)	.....do.....	1991
366.	Tarkari (<i>Clerodendrodium phlomidis</i> L.)	Flower	Pectolarigenin (5, 7-dihydroxy-4', 6-dimethoxy flavones), hispidulin and unknown (m.p. 343 ^o C)	.....do.....	1991
367.	Vandhyavari (<i>Vicoa indica</i>)	Aerial parts	27 staright chain hydrocarbon/ esters, 28-nortriterpenoid viz. vicosignin (2 β , 3 β , 16 β , 23-tetrahydroxy -28-al-12-ene-3-O- β -D-glucopyranoside	.....do.....	1991
368.	Alabu (<i>Lagenaria siceraria</i> Standl.)	Seed oil	Unsaponifiable matter, Mixed fatty acids, Linoleic, oleic, steric palmitic acids	ChRUH	1992
369.	Ananta, Sariva (<i>Hemidesmus indicus</i> R, Br.)	Plant	4-hydroxy-2-methoxy-benzaldehyde	ChRUC	1992



370.	Arjuna (<i>Terminalia arjuna</i> W.&A)	Stem bark,	Oleanolic acid, Arjunic acid, Arjunolic acid, Arjunolitin, Arjunolitin	ChRUC	1992
371.	Badara (<i>Zizyphus jujube</i> Lam.)	Leaves	Zj-L (I) , Zj-L (II)	ChRUC	1992
372.	Bhurja Patra (<i>Betula utilis</i> D. Don)	Plant	Three flavonoid	CRID	1992
373.	<i>Bongainvillea spectabilis</i> Willd	Fresh leaves	NM	ChRUC	1992
374.	Champaka (<i>Michelia champaca</i> L.)	Bark, leaves, flowers and seeds	Bark 5, leaves 4, flowers 4 and seeds 5 compounds.	RRI-T	1992
375.	<i>Decalepis hamiltoni</i> (W. & A)	Roots	2-hydroxy, 4-methoxy benzaldehyde, α -amyrin,	ChRUC	1992
376.	Haridru (<i>Adina cordifolia</i> Benth & Hook. f.)	Plant	Sitosteriol, α -amyrin and Umbelliferone, 6-methoxyumbelliferone and adicardin	ChREL	1992
377.	Hingu (<i>Ferula narbex</i> Boiss.)	Exudate	Sesquiterpenoid coumarin, ferulin	ChRUC	1992
378.	Jati (<i>Jasminum grandiflorum</i> L)	Whole plant	Jg-II and Jg-III	ChRUC	1992
379.	Kasamarda (<i>Cassia occidentalis</i> L.)	Roots	P-Co/I, P-Co/II, P-Co/III & P-Co/IV	ChRUC	1992
380.	Lodhra (<i>Symplocos spicata</i> Roxb.)	bark	3 neutral compounds	RRI-T	1992
381.	Mushk Bala (<i>Valeriana wallicabii</i> D.C.)	Roots	α -spinasterol, α -spinasterone	ChRUC	1992
382.	Neem (<i>Azadirachta indica</i> A. Juss)	Seed	Azadirachtin	ChRUC	1992
383.	Panasa (<i>Artocarpus heterophyllus</i> Lam. Syn. <i>A. integrifolia</i> L. F.)	Latex of drug	Ethereal extract, latex of the drugs, AH-5	ChRUC	1992
384.	Parijata (<i>Nyctanthes arbortristis</i> L.)	Flowers and seeds	sitosterol and D-glucoside, arbortristodide-A & B, Nyctanthic acid and nyctanthosid	ChREL	1992
385.	Pithari (<i>Glossocardia bosbellia</i> DC.)	Plant	Four compounds- 75 ⁰ C (I), 60 ⁰ C (II), 286 ⁰ C (III) and 68-70 ⁰ C (IV)	ChRUH	1992
386.	Rohitaka (<i>Aphanamixis polystachya</i> (Wall Parker)	Stem bark,	AP/II, AP/III	ChRUC	1992
387.	Sinsapa (<i>Dalbergia sisoo</i> Roxb.)	Roots	NM	CRID	1992



388.	Tamala (<i>Cinnamomum tamala</i> Nees & Eberm)	Plant	NM	CHREL	1992
389.	Akara (<i>Anacyclus pyrethrum</i> DC)	Root	AP/1 to AP/5	ChREL	1994
390.	Bilva (<i>Aegle marmelos</i> Corr.)	Ripe fruit	NM	ChREL	1994
391.	Durva (<i>Cynodon dactylon</i> Pers.)	Aerial part	Apiginin, luteolin and 6 and 8-glycosides	ChRUT	1994
392.	Haridru (<i>Adina cordifolia</i> Benth & Hook f.)	Bark	Skimmin, Adicardin, longanin and Secoiridoid	CHREL	1994
393.	Karnasphutica (<i>Boeninghausenia albiflora</i> R & M.)	NM	Boennin	CHRUD	1994
394.	Lavanga (<i>Syzygium aromaticum</i> (L.) Merr. & Per.	Flower	Oleanolic acid	CHRUC	1994
395.	Mahanimba (<i>Ailanthus excelsa</i> Roxb.)	Stem bark	Sitosterol, AE-23	CHRUC	1994
396.	Malabar lemon grass (<i>Cymbopogon flexuosus</i> (Stendtrs) Wats.	Leaves	Orientin, Vitexin, isovitexin	CHRUD	1994
397.	Musali (<i>Chlorophytum tuberosum</i> Baker)	Root	Steriod	CHRUD	1994
398.	Panasa (<i>Artocarpus heterophyllus</i> Lamk.)	Latex of drug	Tetracyclic triterpene	CHRUC	1994
399.	Parijata (<i>Nyctanthes arbortritis</i> L)	Seed, Leaf and Flower	Iridoid glycosides, sitosterol, <i>p</i> -methoxy cinnamic acid, nyctanthic acid, nyctanthesides, carotenoid, glucose and mannitol	CHREL	1994
400.	Pithari (<i>Glossocardia bosvallia</i> DC.)	Plant	Steroid	CHRUH	1994
401.	Sthoneyaka (<i>Taxus baccata</i> L.)	Plant	Sciadoptysin, conidendrin, 4-methoxy vanillic acid, 10-deacetylbaaccatin III	CHRUV	1994
402.	Talisa (<i>Abies pindrow</i> Spac.)	Leaves	NM	CHRUV	1994
403.	Tejpatra (<i>Cinnamomum tamala</i> Nees & Eberm)	Leaves	Cinnamic acid, hentriacontanol, sitosterol and D-glucoside, kaemferolglycoside and sucrose	CHREL	1994



404.	Vijaya (<i>Cannabis sativum</i> L.)	Plant	Pentacyclic triterpene, friedelin and epifriedelinol	CHRUC	1994
405.	Vishnugandhi (<i>Evolvulus alsinoides</i> L.)	W.Plant	NM	CHRUH	1994
406.	Ajmoda (<i>Apium graveolens</i> L.)	Seed	Unknown (MP-89-90 ⁰ C)	CHRUC	1995
407.	Amerbela (<i>Cuscuta chinensis</i> Lam.)	Plant	Unknown specific compound	CHRUC	1995
408.	Anjani (<i>Memecylon edule</i> Roxb.)	Plant	Oleanolic acid	CHREL	1995
409.	Arjuna (<i>Terminalia arjuna</i> W. & A.)	NM	Afromosin and 23-deoxyarjunolitin	CHRUV	1995
410.	Atavi-jambira Bheda (<i>Atalantia wightii</i> Tanaka)	Plant	Auraptene and atalaphyllidine	CHREL	1995
411.	Bhuchampaka (<i>Kaempferia rotunda</i> L.)	Rhizome	NM	CHRUT	1995
412.	Brihatgoksura (<i>Pedaliium murex</i> L.)	NM	Three unidentified compounds	CHRUV	1995
413.	Karamadika (<i>Carissa spinarum</i> L.)	NM	Flavonone naringin	CSMDRIA M	1995
414.	Karnasphutica (<i>Boeninghausenia albiflora</i> R & M.)	Plant	Imperatorin and new dimeric coumarin	CHRUC	1995
415.	Lavanga (<i>Syzygium aromaticum</i> (L.) Merr. & L.M.Perry)	NM	Five pure compounds and oleanolic acid	CHRUC	1995
416.	Mahanimba (<i>Ailanthus excelsa</i> Roxb.)	NM	Stigmasta-4,22-dien-3-one	CHRUC	1995
417.	Pala (<i>Ehretia buxifolia</i> Roxb.)	NM	Stigmastanol, sitosterol, campesterol, pinasterol and cholesterol ; ehretianone	CSMDRIA M	1995
418.	Panasa (<i>Artocarpus heterophyllus</i> Lam.)	Latex	9, 19-cyclolanost-23-ene-3, 25-diol	CHRUC	1995
419.	Parpata (<i>Fumaria parviflora</i> Lamk.)	Aerial part	Quercetin and rutin	CHRUT	1995
420.	Pithari (<i>Glossocardia bosvallia</i> DC.)	Plant	Essential oil	CHRUH	1995
421.	Suryavarta (<i>Cleome gynandra</i> L.)	W.Plant	Unknown (MP-108-110 ⁰ C)	CHRUC	1995
422.	Talisa (<i>Abies pindrow</i> Spac.)	Leaves	Terephthalic acid dimethylester, apigenin, quercetin, quercitrin and pinitol	CHRUV	1995



423.	Upakuncika (<i>Nigella sativa</i> L.)	Seeds	six Alkaloids	CHRUC	1995
424.	Vijaya (<i>Cannabis sativa</i> L.)	W.Plant	<i>p</i> -hydroxybenzoic acid	CHRUC	1995
425.	Vishnugandhi (<i>Evolvulus alsinoides</i> L.).	W.Plant	Sitoterol	CHRUH	1995
426.	Standaridization of Ayush-64 and Pipaliyadi Vati	NM	Standardization	CHRUC	1995
427.	Amarvela (<i>Cuscuta reflexa</i> Rox. & <i>C. chinensis</i> Lam.)	Plant	Flavone and Flavone glycosides	CHRUC	1996
428.	Arjuna (<i>Terminalia arjuna</i> Roxb.)	Plant	Oleanolic acid, arjunic acid and arjunic acid diglucoside	CHRUV	1996
429.	Brihatgoksura (<i>Pedaliium murex</i> L.)	Plant	Pm-1 to Pm-3	CHRUV	1996
430.	Chirata (<i>Swertia chirata</i> Buch-Ham.)	NM	1,5,8-trihydroxy-3-methoxy xanthone	CHRUC	1996
431.	Dikamali gum (<i>Gardenia gummifera</i> L.)	Gum	Gardenin-A	CSMDRIAC	1996
432.	Jatamansi (<i>Nardostachys jatamansi</i> DC.)	Plant	Furanosesquiterpene	CHRUC	1996
433.	Juhi (<i>Jasminium grandiflorum</i> L.)	Flower	Cinnamic acid	CHRUC	1996
434.	Madana (<i>Randia dumetorum</i> Lam.)	Root Bark	Triacotanoic acid ester and scopoletin	CHRUC	1996
435.	Mahanimba (<i>Ailanthus excelsa</i> Roxb)	Plant	Stigmasta-4,22-dien-3-one	CHRUC	1996
436.	Paccapuli (<i>Hibiscus furcatus</i> Roxb.)	Leaves	Sitosterol, quercetin, gossylin and gossypitrin	CHRUT	1996
437.	Parijata (<i>Nyctanthes arbortristis</i> L.)	Leaves	6-Acetoxy-7-O-Cinnamoyl loganin	CSMDRIAC	1996
438.	Pithari (<i>Glossocardia bosvallia</i> DC.)	Plant	Sulviolide	CHRUH	1996
439.	Sthoneyaka (<i>Taxus baccata</i> L.)	Plant	Sciadopsisin, conidendrin	CHRUV	1996
440.	Surabhi Nimba (<i>Murraya koenigii</i> L. Spreng)	Seeds	Pyranoflavone	CHRUC	1996
441.	Tallsa (<i>Abies pindraw</i> Spack)	Leaves	Hesperidine-3'-methylether	CHRUV	1996



442.	Vijaya (<i>Cannabis sativum</i> L.)	W.Plant	p-Hydroxybenzoic acid and cycloeucaenol acetate	CHRUC	1996
443.	Virataru (<i>Dichrostachys cinerea</i> W. & A.)	Root	Three compounds with MP. 78-80 ⁰ C, 195-200 ⁰ C and 143-145 ⁰ C	CRID	1996
444.	Atavi-jambira (<i>Atalantia monophylla</i> Corr.)	Plant	Sitosterol, pimperillin and isopimperillin	CHRUH	1997
445.	Badara (<i>Zizyphus jujuba</i> Lam.)	Leaves	A-nor-lupa-2,20-diene-14,17-dicarboxylic acid	CHRUC	1997
446.	Bharangi- Bhed (<i>Clerodendrum nerifolium</i> Wall)	Leaves and twig	Flavonoid 5-hydroxy-4',6',7-trimethoxy flavones and cis-ent-cleroda-3,13-dien,15,16-olide-18-oic acid; 3-O-L-arabinoside and galactoside of quercetin	CSMDRIAC	1997
447.	Buki (<i>Anaphalis contorta</i> Hook. f.)	Aerial part	Buki-I (5-O-3'-methylbut-2'eny1-7-hydroxyphthalide)	CHRUC	1997
448.	Haridra (<i>Curcuma domestica</i> Val. Syn. C. longa L.)	Rhizome	Curcumin and cyclocurcumin	CHRUC	1997
449.	<i>Hewittia bicolor</i> Wt.	W.Plant	WB-1 to WB-3	CHRUC	1997
450.	Lasun (<i>Allium sativum</i> L.)	Bulb	Light yellow oil	CHRUC	1997
451.	Mukkopeera (<i>Passiflora foetida</i> L.)	Plant	PF-1 and PF-2	CHRUC	1997
452.	Pithari (<i>Glossocardia bosvallia</i> DC.)	Plant	Steroid	CHRUC	1997
453.	Pullivasi	NM	Anthraquinone, chrysophenol and emodin	CSMDRIAC	1997
454.	Shal (<i>Shorea robusta</i> Gaertn. F.)	Gum-resin	3 β ,23-trihydroxy-urs-11-en-13 β , 28-olide and 20 3B 23-Trihydroxy-urs-12en-28oic acid	CHRUC	1997
455.	Surabhi Nimba (<i>Murraya koenigii</i> L. Spreng)	Laeves	MK-1 & MK-2(Koenimbine)	CHRUC	1997
456.	Villayati Tulasi (<i>Hyptis suaveolens</i> Poit.)	Aerial part	Sitosterol, α -amyrin, kaempferol and its 3-O-rhamnoglucoside	CHRUC	1997
457.	Atavi Jambira(<i>Atalantia monophylla</i>)	Plant	Hydoxy decamine alkaloid, commurrayin	ChRUH	1998
458.	<i>Cipadessa fruticosa</i> Bl.	Fruit and Seed	CF-3", CF-4"	ChRUC	1998



459.	<i>Hewittia bicolor</i> Wt.	Plant	WB-1, WB-2 and WB-3	ChRUC	1998
460.	Hingu (<i>Ferula foetida</i> Regel)	gum of plant	Ferulassin	ChRUC	1998
461.	Kapitha (<i>Feronia limonia</i> L.)	root	7-oxygenated coumarin, marmin, coumarin, xanthotoxin	ChRUC	1998
462.	Karnasphutica (<i>Boenninghausenia albiflora</i> Reichb.	Air dried root	Boennin	ChRUC	1998
463.	Lavanga (<i>Syzygium aromatica</i> (L.) Merr. & Per.	Flower	SA-II and SA-III	ChRUC	1998
464.	Parijata, Shefali (<i>Nyctanthes arbortistis</i> L.)	Seed	NM	ChRUC	1998
465.	Pasupasi, Kamuka (<i>Myristica malabarica</i> Lam.)	Leaves	α -amyrin, β -amyrin and two phenolic compounds	ChRUT	1998
466.	Sala, Aswakarna (<i>Shorea robusta</i> Gaertn.f.	gum of plant	2a, 3 β ,23-triacetoxy-11-oxo-urs-12-en-28 oic acid	ChRUC	1998
467.	Surjavarta (<i>Cleome gynandra</i> L.)	Whole Plant	20(S), 23(S) epoxy-dammarane triterpenoid cleogynol	ChRUC	1998
468.	Uttamarini, Yogaphala (<i>Pergularia daemia</i> (Forsk) Chiov.	Whole Plant	A white solid compound	ChRUC	1998
469.	Aralu (<i>Ailanthus malabarica</i> DC.)	Stem	A yellow solid, α -amyrin	ChRUT	1999
470.	Arhar (<i>Cajanus cajan</i> L.)	Root	Three compounds (BP-284-285 ⁰ C; 247-248 ⁰ C; 270 ⁰ C)	ChRUK	1999
471.	Chirata (<i>Swartia chirata</i> Wall)	Plant	Eleven compounds designated as SC-1-SC-11, SC-2 found to be new xanthone	ChRUK	1999
472.	<i>Cipadessa fruticosa</i> Bl.	Fruit and Seed	Compound CF3	ChRUK	1999
473.	Karchur (<i>Curcuma zedoaria</i> Rosc.)	Rhizome	Yellow crystalline solid	ChRUT	1999
474.	Krishnajiraka (<i>Nigella sativa</i> L.)	NM	Oac(CH ₂) ₂ N(CH ₃) ₃ X	ChRUK	1999
475.	Lavanga (<i>Syzygium aromatica</i> L.) Merr. & Per.	Flower bud	Triterpenoid-2 β -hydroxyoleanolic acid	ChRUK	1999



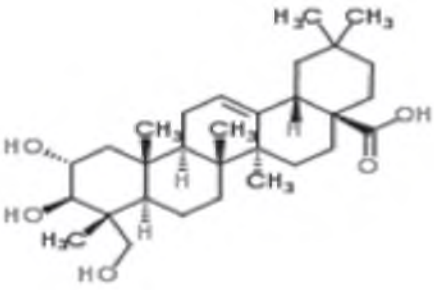
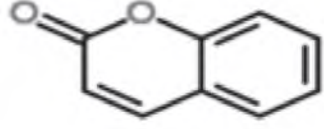
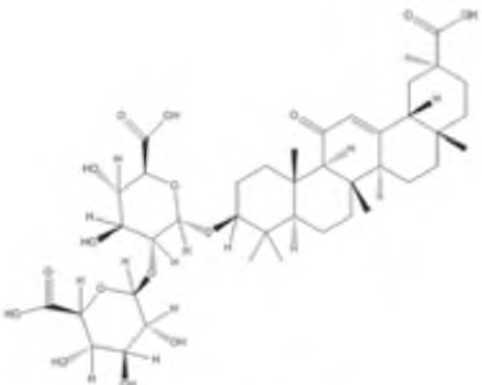
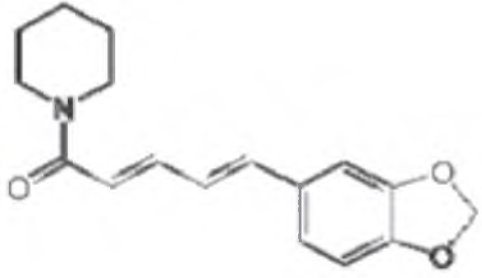
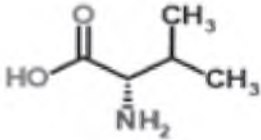
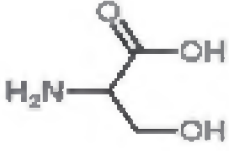
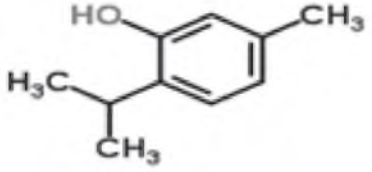
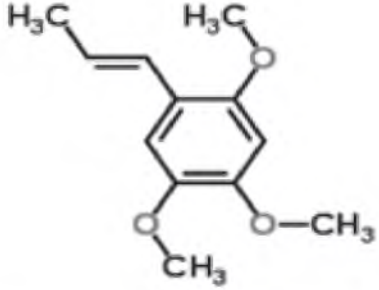
476.	Parijata (<i>Nyctanthes arbor-tristis</i> L.)	Seeds	Two isomeric glycosides (I & II) and Arbrotristose A	ChRUK	1999
477.	Pitabala (<i>Sida rhombifolia</i> L.)	Plant	Three compounds (BP-73-75 ^o C; 98-100 ^o C; 65 ^o C)	ChRUK	1999
478.	<i>Pseudelephantopus spicatus</i> Juss.	Plant	The Ethanolic extract is fractionated with petroleum ether, methylene chloride, ethyl acetate and methanol	ChRUK	1999
479.	Saireyaka (<i>Barleria prionitis</i> L.)	Root	Sitosterol and Luteolin, Luteolin glucoside	ChRUT	1999
480.	Sarapagandha Bheda (<i>Rauwolfia reflexa</i> T. & B.)	Leaves	Raureflexine	ChRUK	1999
481.	<i>Strobilanthes heyneanus</i> Nees.	Root	Pale yellow solid	ChRUT	1999
482.	Amrataka (<i>Spondias pinnata</i> (L.f.) Kurz.)	Bark	Four compounds (SmI to SmIV)	CRUK	2000
483.	Aralu (<i>Ailanthus malabarica</i> DC.)	Stem bark	Triacotane, hexatriacotane, β -sitosterol and α -amyrin, kaempferol and quercetin, kaempferol glycoside, vitexin and six amino acids-alanine, glycine, arginine, aspartic acid, serine and valine	RRI-T	2000
484.	Badar (<i>Ziziphus xylopyra</i> Wild.)	Leaves	β -sitosterol, Quercetin and myricetin	RRI-T	2000
485.	Chirata (<i>Swartia chirata</i> Wall)	Whole plant	Amarogentin	CRUK	2000
486.	<i>Cuscuta chinensis</i> Lam.	Whole plant	CC-1, CC-2	CRUK	2000
487.	Kachur (<i>Cucuma zedoaria</i> Rosc.)	Rhizome	Free amino acids and Sugars	RRI-T	2000
488.	<i>Pseudelephantopus spicatus</i> Juss	Plant	Out of eight PS-1 to PS-8 two were characterized	CRUK	2000
489.	Sephalika (<i>Nyctanthes arbortristis</i>)	Seed	Na-5	CRUK	2000



490.	Sobhajana (<i>Moringa oleifera</i> Lam.)	Flower	Mof-1(Flower), Steroid(root), MO-B/1, MO-B/2 and MO/3(Stem bark), MO-F/1 to MO-F/4(fruit)	CRIK	2000
491.	Surbhi nimbi (<i>Murraya koenigii</i> (L.) Spreng.	Seed	Three Compounds (MK-1 to MK-3). MK-2 was identified as cabazole alkaloid(Koenimbine)	CRIK	2000
492.	Ajawain (<i>Trachyspermum ammi</i> L.) Sprague	Seed	Thymol	CSMDRIAC	2001
493.	Amrataka (<i>Spondias mangifera</i> Willd.)	Bark	Sm-1 to Sm-IV	CRIK	2001
494.	Badar (<i>Ziziphus xylopyra</i> Wild.)	Leaves	Amino acids-Alanine, arginine, glutamic acid, glycine, aspartic acid, valine and serine	RRI-T	2001
495.	Chirata (<i>Swartia chirata</i> Wall)	Whole plant	1,8-dihydroxy-3, 5-dimethoxy xanthone and 1,5,8-Trihydroxy-3-Methoxy xanthone, 1,3,7,8- tetrahydroxy xanthone	CRIK	2001
496.	Dhumra-patra (<i>Aristolochia bracteata</i> Retz.)	Leaves	Aristolochic acid	CSMDRIAC	2001
497.	Lodhra (<i>Symplocos spicata</i> Roxb.)	Bark	α -amyrin, β -amyrin and β -sitosterol, luteolin, Kaemperol and Quercetin	RRI-T	2001
498.	Rasna (<i>Vanda roxburghii</i> R.Br.)	Root	White solid	CRIK	2001
499.	Shobhanjana (<i>Moringa oleifera</i> Lam.)	Flower, fruit, bark and root	4 compounds -Mof-1 to Mof-4	CRIK	2001
500.	Surabhi Nimba (<i>Murraya koenigii</i> (L.) Spreng.	Seed	Two carbazole alkaloids MK-2(Koenimbine and MK-3 along with MK-4	CRIK	2001
501.	Vacha (<i>Acorus calamus</i> L.)	Rhizome	β -Asarone	CSMDRIAC	2001
502.	Virdaga (<i>Embelia ribes</i> Burm.f.)	Berries	Orange red solid	CSMDRIAC	2001
503.	Chinni (<i>Acalypha fruticosa</i> Forsk)	Plant	2 α , 3 β , 23-trihydroxyolean – 12-en-28-oic acid which is arjunolic acid	CSMDRIAC	2002



504.	Lodhra (<i>Symplocos spicata</i> Roxb.)	Stem bark	alanine, valine, serine, glycine, asparatic acid, arginine, leucine and glutamic acid	RRI-T	2002
505.	Dhataki (<i>Woodfordia fruticosa</i> Kurz.)	Flowers	Alanine, glycine, valine, serine, leucine, threonine, asparatic acid and glutamic acid in free state and alanine, glycine, valine, serine, leucine, threonine, aspartic acid, glutamic acid and arginine were found in the proteins; glucose, galactose and arabinose	RRI-T	2002
506.	Pindava (<i>Gardenia gummifera</i> L.f.)	gum of plant	gardenin-A	CSMDRIAC	2002
507.	Pashana bheda (<i>Bergenia cilliata</i> Sternb.)	marc	NR	CRID	2002
508.	Pashana bheda (<i>Bergenia ligulata</i> Engl.)	marc	NR	CRID	2002
509.	Shalaparni (<i>Desmodium gangeticum</i> DC.)	Plant	β -sitosterol, β -D glycoside (m.p. 283 ^o C)	CSMDRIAC	2002
510.	<i>Saccharum spontaneum</i> (Kasa)				
511.	Bharangi Bheda (<i>Clerodendrum splendens</i>)	Flowers	Sterol and anthocyanin	CHRUD	2002
512.	<i>Ficus hispida</i> (Berries)	NM	Unidentified Compounds	----	2002

 <p style="text-align: center;">Arjunolic acid</p>	 <p style="text-align: center;">Coumarin</p>
 <p style="text-align: center;">Glycyrrhizic acid</p>	 <p style="text-align: center;">Piperine</p>
 <p style="text-align: center;">Valine</p>	 <p style="text-align: center;">Serine</p>
 <p style="text-align: center;">Thymol</p>	 <p style="text-align: center;">Asarone</p>
<p>Fig 1: Some Important Phytochemicals</p>	

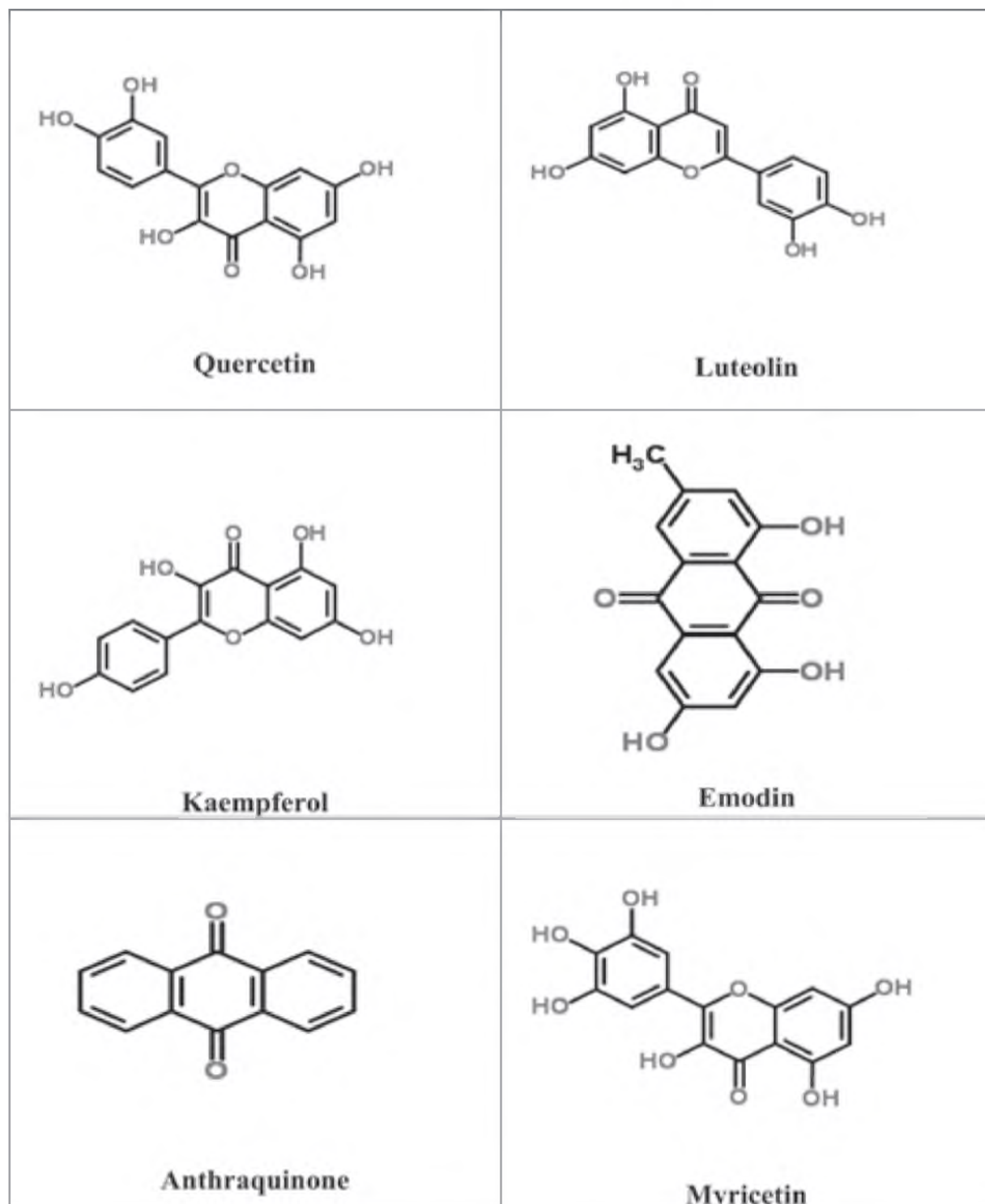


Figure -2: Some Important Phytochemicals



CHAPTER 2

Drug Standardization and Quality Assurance and Contribution to Development of Ayurvedic Pharmacopeia

Standardization is an essential step to ensure the quality of Ayurvedic drugs. Confirmation of identity, quality, purity, and detection of adulterants are the major objectives of standardization. One of the prime activities of the Council is Quality assessment of the single drugs and compound formulations and their method of preparation (standard operating procedures) through its Drug Standardization units. At present Council has Drug standardization units viz. Captain Srinivasa Murthy Regional Ayurveda Drug Development Institute, Chennai (CSMRADDI) (NABL accredited lab), Central Ayurveda Research Institute for Drug Development, Kolkata (CARIDD), Central Ayurveda Research Institute for Respiratory Disorders, Patiala (CARIRD), Regional Ayurveda Research Institute for Drug Development, Gwalior (RARIDD) and Central Ayurveda Research Institute for Neuromuscular & Musculo-Skeletal Disorders, Cheruthuruthy (CARIMNSD) etc. The drugs and formulations required under different projects (Coded drugs, IMR, EMR, Claim etc.) for clinical trials, pharmacological studies etc. have been analyzed for confirmation of identity and quality of drugs as per Pharmacopoeial standards/development of standards.

Introduction:

The quality of herbal medicines has a direct impact on their safety and efficacy. There are many control measures to evaluate the quality of Ayurvedic medicines. Evaluation of quality of Ayurvedic medicine is very complicated and difficult task as it involves many different steps, from microscopic studies to isolation of marker compounds. With the tireless initiatives of the Government of India, Central Council for Research in Ayurvedic Sciences, New Delhi (CCRAS) under the Ministry of AYUSH, has been publishing the Ayurvedic Pharmacopeia of India (API) and Ayurvedic Formulary of India (AFI), from time-to-time. To cater the need of quality of drug by providing monographs on single drugs and compound formulations where in quality standards of the drugs discussed. In Ayurveda different classical dosages forms of Ayurvedic formulations has been described in AFI. Every dosages form has a separate protocol for evaluation of quality.

Except experts opinion of phytochemists and chemists, chemical and instrumental analysis were routinely used for analyzing drugs to confirm their authenticity. Chemistry division of CCRAS conceded study of drugs in the form of single and compound formulation. Raw materials used as an ingredient in preparation of formulation are treated as single drugs which may be of plant origin, animal origin or mineral origin. There are two types of compound formulations - containing only plant raw material and containing both plant raw drug and mineral, metal called herbo-mineral formulations.

The quality of raw materials and formulations is furnished by regular phytochemical analysis. In schematic standardization of single drugs the following parameters are being covered



1. **Physical parameters** include color, appearance, odor, taste and ash.
2. **Foreign matters** include material linked with drug other than drug.
3. **Physicochemical parameters** include Total ash, acid insoluble ash, extractive values (alcohol soluble extractives and water soluble extractives), chemical assays and loss on drying etc.
4. **Chromatographic analysis** was carried out using TLC/HPTLC.
5. **Stability parameters** for the formulations which includes physical parameters, chemical parameters, and microbiological parameters or self-life studies.
6. **Microbiological parameters** include total viable content, total mold count, total enterobacterial and their count.
7. **Aflatoxins- B1, B2, G1, G2 mixtures** (Aflatoxin is a product of the microbial strain *Aspergillus flavus*).
8. **Heavy metals** like Cadmium, Lead, Arsenic, Mercury, etc.
9. **Pesticide residues**.

For mineral and metal, emphasis is given on assay for inorganic radicals as per composition of raw material.

Council has NABL accredited laboratory for accreditation work. API(Ayurvedic Pharmacopoeia of India)guidelines were opted for all the standardization work¹.

For the raw material of mineral & metal orgin/animal origin emphasis has been given to assay for inorganic acid or base radical. They may be either metal or non metal in nature. In these cases TLC has no role in evaluation of quality and microbial studies are to be conducted.

Material and Methods:

The informations available in the published monographs, technical reports and annual reports of CCRAS as well as achievements have been gathered from compilation of work done by the Council since inception.

Observations and physical achievements:

Exploration of Ayuvedic drugs for chemical studies and quality assessment was initiated by Central Council for Research in Ayurvedic Sciences (CCRAS) in 1969 in the form of **Chemical Research Studies** and **Standardization Studies** with an approach plan to lay down analytical values and to identify the presence or otherwise of main ingredients in the preparation. Meetings of the experts and officials engaged in the field of **Standardization Studies** have been convened and uniform methodology has been worked out for implementation in the Standardization Research Project of the Council. The Council considers that this approach, in time to come may prove to be full proof method to identify authenticate the single drug and preparations from the spurious and appropriately prepared ones.



The particulars of the single drugs process of manufacture, and finished products taken up under **Drug Standardization Research Programme** for laying down analytical values of the formulations described in classical texts including the Ayurvedic Formularies (AFIs). At present there are mainly 5 institutes involved in Standardization Studies viz. the Captain Srinivasa Murthy Regional Ayurveda Drug Development Institute, Chennai (CSMRADDI) (NABL accredited lab), Central Ayurveda Research Institute for Drug Development, Kolkata (CARIDD), Central Ayurveda Research Institute for Respiratory Disorders, Patiala (CARIRD), Regional Ayurveda Research Institute for Drug Development, Gwalior (RARIDD) and Central Ayurveda Research Institute for Neuromuscular & Musculo-Skeletal Disorders, Cheruthuruthy (CARIMNSD) etc.

Chronological Developments:

Drug Standardization Research programme has been continued through its 5 peripheral units located at Chennai, Kolkata, Patiala, Gwalior, Cheruthuruthy monitored through CCRAS, New Delhi itself from 1969 to till date. Details of the work carried out may be classified in single drug study (table 2), compound formulation (table 3).

Single Drug Study:

The government of India constituted Pharmacopoeial Committee to prepare official formularies of Indian System of Medicine and Homeopathy. In view of the controversy in the identification of medicinal plants referred in Classics it has been considered necessary to standardize raw drug materials from plant source by using physico-chemical studies and decided to publish these studies in the form of monographs in pharmacopoeia. A Pharmacopoeia is a book of standards. Since inception (from 1969 to 2016) **2520 samples** of single drugs have been assessed for Quality. All single drugs samples studied since inception are summarized as table 2.

S. No	Plant Name	Year
1.	Punarnava (<i>Boerhavia diffusa</i> L.)-NCL, Poona	1969
2.	Shatavari (<i>Asparagus recemosus</i> Willd)-NCL, Poona	1969
3.	Guggulu (<i>Commiphora mukul</i> Hook ex stocks-NCL, Poona	1969
4.	Vasa (<i>Adhatoda vasica</i> Nees.)-University College of Sciences, Osmania University, Hyderabad	1969
5.	Kuraja (<i>Holarrhena antidysenterica</i>)-UCS, Osmania University, Hyderabad	1969
6.	Nagakeshar (<i>Mesua ferrea</i> L.)-UCS, Osmania University, Hyderabad	1969
7.	Parijata (<i>Nyctanthes arbor-tristis</i>)-UCS, Osmania University, Hyderabad	1969
8.	Durva (<i>Cynodon dacylon</i>)-UCS, Osmania University, Hyderabad	1969
9.	Ativisha (<i>Aconitum heterophyllum</i> Wall.)-UCS, Osmania University, Hyderabad	1969
10.	Uttarani (<i>Daemia extensa</i> roots)- DU, Delhi	1969
11.	Devadali (<i>Luffa echinata</i> – fruits)- DU, Delhi	1969
12.	Aparajita (<i>Clitoria ternatea</i> – leaves)- DU, Delhi	1969
13.	Bhringaraja (<i>Eclipta alba</i> – leaves)- DU, Delhi	1969
14.	Shila pushpa (<i>Didymocarpus pedicellata</i> – roots)- DU, Delhi	1969



15.	Kampillaka (<i>Mallotus philippinesis</i> – bark)- DU, Delhi	1969
16.	Aragwadha (<i>Cassia fistula</i>)-University of Kerala, Trivandrum	1969
17.	Bala (<i>Sida retusa</i> L.)-UK, Trivandrum	1969
18.	Chempullani (Mal.) (<i>Calycopteris floribunda</i>)-UK, Trivandrum	1969
19.	Bhumymalaki (<i>Phyllanthus niruri</i>)-UK, Trivandrum	1969
20.	Nimba (<i>Melia azadirachta</i>)-UK, Trivandrum	1969
21.	Karanja (<i>Pongamia glabra</i>)-UK, Trivandrum	1969
22.	Krishnajeeraka (<i>Centratherum anthelminticum</i>)-UK, Trivandrum	1969
23.	Palandu (<i>Allium cepa</i>)-UK, Trivandrum	1969
24.	Lasuna (<i>Allium sativum</i>)-UK, Trivandrum	1969
25.	Pippali (<i>Piper longum</i> L.)-University College of Science Calcuta	1969
26.	Prasarini (<i>Paederia foertida</i> L.)-UCS, Calcuta	1969
27.	Karaveera (<i>Nerium indicum</i> Mill.)-UCS, Calcuta	1969
28.	Ashwagandha (<i>Withania somnifera</i> Dunal.)-UCS, Calcuta	1969
29.	Amrita (<i>Tinospora cordifolia</i> . (Willd. Miers.)-UCS, Calcuta	1969
30.	Ulatkambal (<i>Abroma augusta</i>)-B.H.U. Varanasi	1969
31.	Varuna (<i>Crataeva nurvala</i>)-B.H.U. Varanasi	1969
32.	Apamarges <i>Achayranthes aspera</i> (seed)-DU, Delhi	1969
33.	Apamarga (<i>Achyranthes aspera</i> roots)-DU, Delhi	1969
34.	Apamarga bheda (<i>Achranthes bidentata</i> seed)-DU, Delhi	1969
35.	Shalmali (<i>Bombax malabaricum</i> -root bark)-DU, Delhi	1969
36.	Saptarangi (<i>Salacia prenoides</i> -root bark)-DU, Delhi	1969
37.	Bharangi (<i>Cherodendron serratum</i> -roots)-DU, Delhi	1969
38.	Abhaya-CSRIAM(Captain Srinivasamurty Research Institute Adyar, Madras)	1970
39.	Agnimantha(<i>Premna integrifolia</i> L.)-CSMRI	1970
40.	Amalaki (<i>Embllica officinlis</i>)-CSMRI,	1970
41.	Amrita (<i>Tinospora cordifolia</i>)-CSMRI	1970
42.	Bala (<i>Sida retusa</i> L.)-CSMRI,	1970
43.	Bharangi (<i>Clerodendrum serratum</i> (L.) Moon.)-CSMRI,	1970
44.	Bilva (<i>Aegle marmelos</i> L.)-CSMRI,	1970
45.	Brahmi (<i>Bacopa monnieri</i> L.)-CSMRI,	1970
46.	Brihati (<i>Solanum indicum</i> L.)-CSMRI,	1970
47.	Draksha (<i>Vitis vinifera</i> L.)-CSMRI,	1970
48.	Gambhari (<i>Gmelina arborea</i> L.)-CSMRI,	1970
49.	Gokshura (<i>Tribulus terrestris</i> L.)-CSMRI,	1970
50.	Kumara (<i>Aloe barbadensis</i> Mill.)-CSMRI,	1970
51.	Mashaparni (<i>Teramnus labialis</i>)-CSMRI,	1970
52.	Mudgaparn (<i>Phaseolus trilobus</i> Ait.)-CSMRI,	1970
53.	Nimbi (<i>Azadirachta indica</i> A. Juss.)-CSMRI	1970
54.	Prasniparni (<i>Uraria picta</i> Desv.)-CSMRI	1970
55.	Patola (<i>Trichosanthes dioica</i> Roxb.)-CSMRI	1970
56.	Salaparni (<i>Desmodium gangeticum</i> DC.)-CSMRI	1970
57.	Vasa (<i>Adhatoda vasica</i> Ness.) -CSMRI	1970
58.	Agnimantha (<i>Premna integrifolia</i> L.)-CDF, Ranikhet	1970
59.	Akarakarabha (<i>Anacyclus pyrethrum</i> DC.)-CDF, Ranikhet	1970



60.	Ativisha (<i>Aconitum heterophyllum</i> Wall.)-CDF, Ranikhet	1970
61.	Bilva (<i>Aegle marmelos</i> L.)-CDF, Ranikhet	1970
62.	Brihati (<i>Solanum indicum</i> L.)-CDF, Ranikhet	1970
63.	Gambhari (<i>Gmelina arborea</i> L.)-CDF, Ranikhet	1970
64.	Indrayava (<i>Holarrhena antidysenterica</i>)-CDF, Ranikhet	1970
65.	Jatamansi (<i>Nardostachys jatamansi</i> D.C.)-CDF, Ranikhet	1970
66.	Jatipatri (<i>Myristica fragrans</i> Houtt.)-CDF, Ranikhet	1970
67.	Kankola (<i>Piper cubeba</i> L.)-CDF, Ranikhet	1970
68.	Madhurika (<i>Foeniculum vulgare</i>)-CDF, Ranikhet	1970
69.	Murva (<i>Marsdenia tenacissima</i>)-CDF, Ranikhet	1970
70.	Pashanabhed (<i>Rhabdia lycioides</i>)-CDF, Ranikhet	1970
71.	Patala (<i>Stereospermum suaveolens</i> DC.) -CDF, Ranikhet	1970
72.	Prasniparni (<i>Uraria picta</i> Desv.)-CDF, Ranikhet	1970
73.	Pushkaramula (<i>Inula racemosa</i> Hook. f.)-CDF, Ranikhet	1970
74.	Salaparni (<i>Desmodium gangeticum</i>)-CDF, Ranikhet	1970
75.	Sahachara (<i>Barleria prionitis</i> L.)-CDF, Ranikhet	1970
76.	Satapushpa-CDF, Ranikhet	1970
77.	Sariva (<i>Hemidesmus indicus</i> R.Br.)-CDF, Ranikhet	1970
78.	Ajmoda (<i>Trachyspermum ammi</i>)-AIIM, New Delhi	1970
79.	Ardraka (<i>Zingiber officinale</i> Rosc.)-AIIM, New Delhi	1970
80.	Nirgundi (<i>Vitex negundo</i> L.)-AIIM, New Delhi	1970
81.	Pippali (<i>Piper longum</i> L.)-AIIM, New Delhi	1970
82.	Chitraka (<i>Plumbago zeylanica</i> L.)-AIIM, New Delhi	1970
83.	Devadaru (<i>Cedrus deodara</i> Roxb.)-AIIM, New Delhi	1970
84.	Dhanyak (<i>Coriandrum sativum</i>)-AIIM, New Delhi	1970
85.	Guggulu (<i>Commiphora wightii</i> -Exudates)-AIIM, New Delhi	1970
86.	Karavi-AIIM, New Delhi	1970
87.	Kapikachhu (<i>Mucuna prurita</i>)-AIIM, New Delhi	1970
88.	Kumara (<i>Aloe barbadensis</i> Mill.)-AIIM, New Delhi	1970
89.	Mustha (<i>Cyperus rotundus</i> L.)-AIIM, New Delhi	1970
90.	Pippalimula (<i>Piper longum</i> L.)-AIIM, New Delhi	1970
91.	Svetajeeraka (<i>Cuminum cyminum</i>)-AIIM, New Delhi	1970
92.	Tvak (<i>Cinnamomum zeylanicum</i> -Stem bark)-AIIM, New Delhi	1970
93.	Vamsa (<i>Bambusa arundinacea</i>)-AIIM, New Delhi	1970
94.	Vibhitaka (<i>Terminalia belerica</i> Roxb.)-AIIM, New Delhi	1970
95.	Vidanga-AIIM, New Delhi	1970
96.	Vijaya (<i>Cannabis sativa</i> L.)-AIIM, New Delhi	1970
97.	Yavani (<i>Trachyspermum ammi</i> (L.) Sprague)-AIIM, New Delhi	1970
98.	Athivisha (<i>Aconitum heterophyllum</i>)-AVMP, Junagarh	1970
99.	Danti (<i>Baliospermum montanum</i>)-AVMP, Junagarh	1970
100.	Daruharidra (<i>Berberis aristata</i> DC.)-AVMP, Junagarh	1970
101.	Dhataki-AVMP, Junagarh	1970
102.	Gajapippali-AVMP, Junagarh	1970
103.	Hapusha (<i>Juniperus communis</i> L.)-AVMP, Junagarh	1970
104.	Haridra (<i>Curcuma longa</i> L.-Rhizome)-AVMP, Junagarh	1970



105.	Indravaruni (<i>Citrullus colocynthis</i>)-AVMP, Junagarh	1970
106.	Kantakari(<i>Solanum xanthocarpum</i>)-AVMP, Junagarh	1970
107.	Kapikachu (<i>Mucuna prurita</i>)-AVMP, Junagarh	1970
108.	katukarohit-AVMP, Junagarh	1970
109.	Kramuka (<i>Acacia catechu</i>)-AVMP, Junagarh	1970
110.	Lodhra (<i>Symplocos spicata</i>)-AVMP, Junagarh	1970
111.	Madhuka (<i>Glycyrrhiza glabra</i>)-AVMP, Junagarh	1970
112.	Moocharasa (<i>Salmalia malabarica</i>)-AVMP, Junagarh	1970
113.	Nagakesara (<i>Mesua ferrea</i> L.)-AVMP, Junagarh	1970
114.	Parpata (<i>Fumaria parviflora</i> -Whole plant)-AVMP, Junagarh	1970
115.	Punarnava(<i>Boerhaavia diffusa</i> L.)-AVMP, Junagarh	1970
116.	Saptacchada (<i>Alstonia scholaris</i> R.Br)-AVMP, Junagarh	1970
117.	Vatsanabha (<i>Aconitum chasmanthum</i>)-AVMP, Junagarh	1970
118.	Amlavetasa (<i>Garcinia pedunculata</i>)-AR, Poona	1970
119.	Atibala (<i>Abutilon indicum</i> L.)-AR, Poona	1970
120.	Dadima (<i>Punicum granatum</i> L.)-AR, Poona	1970
121.	Dhatuara-AR, Poona	1970
122.	Ikshu (<i>Saccharum officinarum</i> L.)-AR, Poona	1970
123.	Jambira (<i>Citru limonia osbeck.</i>)-AR, Poona	1970
124.	Jatiphala (<i>Myristica fragrans</i>)-AR, Poona	1970
125.	Kadali Sipa-AR, Poona	1970
126.	Kakamachi (<i>Solanum nigrum</i>)-AR, Poona	1970
127.	Karaskara-AR, Poona	1970
128.	Karpasa (<i>Gossypium herbaceum</i> L.)-AR, Poona	1970
129.	Karishna Sariva-AR, Poona	1970
130.	Nyagrodha Mula (<i>Ficus bengalensis</i>)-AR, Poona	1970
131.	Ravikshira (<i>Calotropis procera</i> L.)-AR, Poona	1970
132.	Ravipatra (<i>Calotropis procera</i> L.)-AR, Poona	1970
133.	Snuhi (<i>Euphorbia neriifolia</i> L.)-AR, Poona	1970
134.	Talisa (<i>Abies webbiana</i> Lindl.)-AR, Poona	1970
135.	Tila (<i>Sesamum indicum</i> L.)-AR, Poona	1970
136.	Trivrit (<i>Ipomoea turpethum</i> R.Br)-AR, Poona	1970
137.	Tulsi (<i>Ocimum sanctum</i> L.)-AR, Poona	1970
138.	Abhaya-Central Ayurveda Pharmacy(CAP), Bangalore	1970
139.	Bharangi (<i>Clerodendrum serratum</i> (L.) Moon.)-CAP, Bangalore	1970
140.	Punarnava (<i>Boerhavia diffusa</i> -Rakta)-CAP, Bangalore	1970
141.	Sala (<i>Shorea robusta</i> Gaertn.f.)-CAP, Bangalore	1970
142.	Babbula(<i>Acacia arbica</i>)-CAP, Bangalore	1970
143.	Bilwa (<i>Aegle marmelos</i>)-CAP, Bangalore	1970
144.	Chitraka (<i>Plumbago zeylanica</i> L.)-CAP, Bangalore	1970
145.	Dhataki (<i>Woodfordia fruticosa</i> Kurz.)-CAP, Bangalore	1970
146.	Gokshura (<i>Tribulus terrestris</i> L.)-CAP, Bangalore	1970
147.	Madhurika (<i>Foeniculum vulgare</i>)-CAP, Bangalore	1970
148.	Murva (<i>Marsdenia tenacissima</i>)-CAP, Bangalore	1970
149.	Pippali (<i>Piper longum</i> L.)-CAP, Bangalore	1970



150.	Satala (<i>Euphorbia pilosa</i> L.)-CAP, Bangalore	1970
151.	Sathi (<i>Curcuma zedoria</i>)-CAP, Bangalore	1970
152.	Sushka Mulaka-CAP, Bangalore	1970
153.	Syonaka (<i>Oroxylum indicum</i>)-CAP, Bangalore	1970
154.	Vamsa (<i>Bambusa arundinacea</i>)-CAP, Bangalore	1970
155.	Vasa (<i>Adhatoda zeylanica</i>)-CAP, Bangalore	1970
156.	Vishamushti-CAP, Bangalore	1970
157.	Yasthi (<i>Glycyrrhiza glabra</i> L.)-CAP, Bangalore	1970
158.	Agaru (<i>Aquilaria agallocha</i> Roxb.)-Government Ayurvedic Research Institute, Trivandrum	1970
159.	Bijasara (<i>Embelia ribes</i>)-GARI, Trivandrum	1970
160.	Duralabha-GARI, Trivandrum	1970
161.	Hrivera (<i>Coleus vettiveroides</i> K.C. Jacob (root)-GARI, Trivandrum	1970
162.	Jiraka (<i>Cuminum cyminum</i>)-GARI, Trivandrum	1970
163.	Jivanti (<i>Leptadenia reticulata</i>)-GARI, Trivandrum	1970
164.	Kamala (<i>Nelumbo nucifera</i>)-GARI, Trivandrum	1970
165.	Kapittha (<i>Feronia limonea</i>)-GARI, Trivandrum	1970
166.	Kataka (<i>Stychnos potatorum</i>)-GARI, Trivandrum	1970
167.	Khadira (<i>Areca catechu</i>)-GARI, Trivandrum	1970
168.	Manjistha (<i>Rubia cordifolia</i> -Stem)-GARI, Trivandrum	1970
169.	Mulaka (<i>Raphanus sativus</i>)-GARI, Trivandrum	1970
170.	Padmaka (<i>Prunus cerasoides</i>)-GARI, Trivandrum	1970
171.	Priyangu (<i>Callicarpa macrophylla</i>)-GARI, Trivandrum	1970
172.	Renuka (<i>Vitex negundo</i> L.)-GARI, Trivandrum	1970
173.	Sankhapushpi (<i>Convolvulus pluricaulis</i>)-GARI, Trivandrum	1970
174.	Sathi (<i>Curcuma zedoria</i>)-GARI, Trivandrum	1970
175.	Sringi (<i>Pistacia integririma</i>)-GARI, Trivandrum	1970
176.	Tamalaki (<i>Phyllanthus niruri</i> L.)-GARI, Trivandrum	1970
177.	Vidarikanda (<i>Pueraria tuberosa</i>)-GARI, Trivandrum	1970
178.	Prisniparni (<i>Desmodium gangeticum</i>)-CSMRI	1970
179.	Mashaparni (<i>Teramnus labialis</i>)-CSMRI	1970
180.	Bala (<i>Sida cordifolia</i> L.)-CSMRI	1970
181.	Duralabha-Ayurvedic College, Trivandrum	1970
182.	Khadira (<i>Areca catechu</i>)-AC, Trivandrum	1970
183.	Bijasara (<i>Embelia ribes</i>)-AC, Trivandrum	1970
184.	Manjistha (<i>Rubia cordifolia</i> -Stem)-AC, Trivandrum	1970
185.	Priyangu (<i>Callicarpa macrophylla</i>)-AC, Trivandrum	1970
186.	Krishnajiraka (<i>Nigella sativa</i>)-AC, Trivandrum	1970
187.	Renuka (<i>Vitex negundo</i> L.)-AC, Trivandrum	1970
188.	Shathi (<i>Hedychium spicatum</i>)-AC, Trivandrum	1970
189.	Padmaka (<i>Prunus cerasoides</i>)-AC, Trivandrum	1970
190.	Sringi (<i>Pistacia integririma</i>)-AC, Trivandrum	1970
191.	Hrivera (<i>Coleus Vettiveroides</i> K.C. Jacob (root)-AC, Trivandrum	1970
192.	Kataka (<i>Stychnos potatorum</i>)-AC, Trivandrum	1970
193.	Tamalaki-AC, Trivandrum	1970



194.	Jiwanthi (<i>Leptadenia reticulata</i>)-AC, Trivandrum	1970
195.	Agaru (<i>Aquilaria agallocha</i> Roxb.)-AC, Trivandrum	1970
196.	Kamala (<i>Nelumbo nucifera</i>)-AC, Trivandrum	1970
197.	Vidarikanda-AC, Trivandrum	1970
198.	Kumari (<i>Aloe barbadensis</i> Mill.)-AIIM, New Delhi	1970
199.	Punarnava (<i>Boerhaavia diffusa</i>)-National Chemical Laboratory, Poona	1971
200.	Shatavari (<i>Asparagus racemosus</i> Willd)-NCL, Poona	1971
201.	Guggulu (<i>Commiphora mukul</i>)-NCL, Poona	1971
202.	Vidarikand (<i>Puereria tuberosa</i>)-NCL, Poona	1971
203.	Vasa (<i>Adhathoda vasica</i>)-Deptt. of Chemistry, Osmania University, Hyderabad	1971
204.	Kutaja (<i>Holerrhena antidysentrica</i>)-DC., Osmania University, Hyderabad	1971
205.	Nagakesar (<i>Mesua ferrea</i>)-DC., Osmania University, Hyderabad	1971
206.	Parijata (<i>Nyctanthes arbor-tristis</i>)-DC., Osmania University, Hyderabad	1971
207.	Durva (<i>Cynodon dactylon</i>)-DC., Osmania University, Hyderabad	1971
208.	Ativisha (<i>Aconitum heterophyllum</i> Wall.)-DC., Osmania University, Hyderabad	1971
209.	<i>Daemia extensa</i> -Deptt. of Chemistry, University of Delhi, Delhi.	1971
210.	<i>Didymocarpus pedicellata</i> -DU, Delhi	1971
211.	<i>Clitoria ternatea</i> -DU, Delhi	1971
212.	<i>Aerva lanata</i> -DU, Delhi	1971
213.	<i>Aerva javanica</i> -DU, Delhi	1971
214.	<i>Gmelina arborea</i> -DU, Delhi	1971
215.	<i>Acacia leucophloea</i> -DU, Delhi	1971
216.	Bala (<i>Sida cordifolia</i>)-Deptt. of Chemistry, University of Kerala, Trivandrum	1971
217.	<i>Phyllanthus niruri</i> (Bhumyamalaki)-UK, Trivandrum	1971
218.	<i>Calycopteris floribunda</i> (Chempullani Mal)-UK, Trivandrum	1971
219.	<i>Hemidesmus indicus</i> (Sariba)-UK, Trivandrum	1971
220.	<i>Gossypium arboretum</i> (Karpasa)-UK, Trivandrum	1971
221.	<i>Cassia fistula</i> (Aragwadha)-UK, Trivandrum	1971
222.	<i>Butea monosperma</i> (Palash)-UK, Trivandrum	1971
223.	<i>Centratherum anthelminticum</i> (Krishna jeeraka)-UK, Trivandrum	1971
224.	<i>Pongamia pinnata</i> (Karanja)-UK, Trivandrum	1971
225.	<i>Ocimum sanctum</i> (Tulasi)-UK, Trivandrum	1971
226.	<i>Hibiscus rosasinensis</i> (Japa)-UK, Trivandrum	1971
227.	<i>Piper nigrum</i> (fruits-Maricha)-University College of Science and Technology, Calcutta	1971
228.	<i>Withania somnifera</i> (root and seeds – Aswagandha)-UCST, Calcutta	1971
229.	<i>Capparis sepiaria</i> (whole plant)-UCST, Calcutta	1971
230.	<i>Tinospora cordifolia</i> (whole plant)-UCST, Calcutta	1971
231.	<i>Nerium indicum</i> (Karaveera)-UCST, Calcutta	1971
232.	<i>Sesamum indicum</i> (Tila)-UCST, Calcutta	1971
233.	<i>Tecomella undulate</i> (Rakta Rohitak)-Banaras Hindu University, Varanasi	1971
234.	<i>Saraca indica</i> (Ashoka)-BHU, Varanasi	1971
235.	<i>Crataeva nurvala</i> (Varuna)--BHU, Varanasi	1971
236.	<i>Albezia lebbek</i> (Sirisha)-BHU, Varanasi	1971
237.	<i>Grewia asiatica</i> (Parushak)-BHU, Varanasi	1971



238.	<i>Salacia prenooides</i> -DU, New Delhi	1971
239.	<i>Gardenia turgid</i> -DU, New Delhi	1971
240.	<i>Gardenia latifolia</i> -DU, New Delhi	1971
241.	<i>Bombax malabaricum</i> -DU, New Delhi	1971
242.	<i>Betula utilis</i> -DU, New Delhi	1971
243.	<i>Achayranthus aspera</i> -DU, New Delhi	1971
244.	<i>Quercus infectoria</i> -DU, New Delhi	1971
245.	<i>Solanum xanthocarpum</i> – DSRU-Junagadh	1974
246.	<i>Scindapsus officinalis</i> – DSRU-Junagadh	1974
247.	<i>Juniperus communis</i> – DSRU-Junagadh	1974
248.	<i>Picrorhiza kurroa</i> – DSRU-Junagadh	1974
249.	<i>Curcuma longa</i> – DSRU-Junagadh	1974
250.	<i>Mesua ferrea</i> – DSRU-Junagadh	1974
251.	<i>Areca catechu</i> – DSRU-Junagadh	1974
252.	<i>Aconitum heterophyllum</i> – DSRU-Junagadh	1974
253.	<i>Boerhaavia diffusa</i> – DSRU-Junagadh	1974
254.	Madhuka(<i>Glycyrrhiza glabra</i>)-Drug standardization research Unit, Junagadh	1975
255.	Dhataki-DSRU, Junagadh	1975
256.	Indravaruni (<i>Citrullus colocynthis</i>)-DSRU, Junagadh	1975
257.	Danti (<i>Baliospermum montanum</i>)-DSRU, Junagadh	1975
258.	Mocrasa (<i>Salmalia malabarica</i>)-DSRU, Junagadh	1975
259.	Vatsnabha (<i>Aconitum chasmanthum</i>)-DSRU, Junagadh	1975
260.	Nagkesar(<i>Mesua ferrea</i> L.) -DSRU, Junagadh	1975
261.	Gajpippali-DSRU, Junagadh	1975
262.	Hapushpa (<i>Juniperus communis</i> L.)-DSRU, Junagadh	1975
263.	Kramuka (<i>Acacia catechu</i>) -DSRU, Junagadh	1975
264.	Katurohini (<i>Picrorhiza kurroa</i>)-DSRU, Junagadh	1975
265.	Haridra (<i>Curcuma longa</i> L.-Rhizome)-DSRU, Junagadh	1975
266.	Daruharida (<i>Berberis arisata</i> DC.)-DSRU, Junagadh	1975
267.	Kapikacchu (<i>Mucuna prurita</i>)-DSRU, Junagadh	1975
268.	Punarvava (<i>Boerhaavia diffusa</i> L.)-DSRU, Junagadh	1975
269.	Lodhra (<i>Symplocos spicata</i>)-DSRU, Junagadh	1975
270.	Kantakari (<i>Solanum xanthocarpum</i>)-DSRU, Junagadh	1975
271.	Parpata (<i>Fumaria parviflora</i> -Whole plant)-DSRU, Junagadh	1975
272.	Ativisa (<i>Aconitum heterophyllum</i> Wall.)-DSRU, Junagadh	1975
273.	<i>Piper peepuloides</i> (Leaves & Stems)	1976
274.	<i>Piper longum</i>	1976
275.	Madayantika (<i>Lawsonia inermis</i> L.)	1976
276.	<i>Soymida febrifuga</i> (Stem bark)	1976
277.	Vasa (<i>Adhatoda vasica</i>)	1976
278.	Bilwa (<i>Agele marmelos</i> L) (a) Leaves (b) Fruits	1976
279.	Matsyaksi (<i>Alternanthera sessilis</i>)	1976
280.	<i>Apium leptophyllum</i> (seeds)	1976
281.	<i>Bombax malabaricum</i>	1976
282.	<i>Cassia siamea</i>	1976



283.	Mandookaparni (<i>Centella asiatica</i>)	1976
284.	Pitachandana (<i>Coscinium fenestratum</i>)	1976
285.	Kaivartamusta (<i>Cyperus rotundus</i>)	1976
286.	Mammajjka (<i>Enicostemma littorele</i>)	1976
287.	Yastimadhu (<i>Glycyrhiza glabra</i> (roots))	1976
288.	Prausaka (<i>Grewia asiatica</i> (leaves))	1976
289.	Madayanti (<i>Lawsonia inermis</i> (Whole plant))	1976
290.	Kakajangha (<i>Leea aquata</i>)	1976
291.	Nagakesara (<i>Mesua ferrea</i>)	1976
292.	Ketaki (<i>Pandanus tecttorius</i>)	1976
293.	Kakamachi (<i>Solanum nigrum</i>)	1976
294.	Pattikalodhra (<i>Symplocos spicata</i>)	1976
295.	Methika (<i>Trigonella foenum graecum</i>) (whole plant)	1976
296.	<i>Piper sylvaticum</i> (Seeds)	1976
297.	<i>Euphorbia nerifolia</i>	1976
298.	<i>Euphorbia tirucallia</i>	1976
299.	<i>Vitex negundo</i>	1976
300.	Mahanimba(<i>Melia azedarach</i> L.)- SRP-J	1977
301.	Yavani (<i>Trachyspermum ammi</i> (L.) Sprague)- SRP-J	1977
302.	Ajmoda (<i>Apium leptopyllum</i>) fruit- SRP-J	1977
303.	Nagara (<i>Zingiber officinale</i> Rosc.)- SRP-J	1977
304.	Haritaki (<i>Terminalia chebula</i>)-SRP-J	1977
305.	Sitopala (<i>Nelumbo nucifera</i> Gaertn.)- SRP-J	1977
306.	Vansalochana- SRP-J	1977
307.	Pipali (<i>Piper longum</i>) - SRP-J	1977
308.	Ela (<i>Elattaria cardamomum</i>)-SRP-J	1977
309.	Tvak (<i>Cinnamomum zeylanicum</i> -Stem bark)- SRP-J	1977
310.	Lodhra (<i>Symplocos spicata</i>)-Root, Stem, Bark, Leaves-DSRP-Junagadh	1977
311.	Saptaparni (<i>Alstonia scholaris</i> R. Br.)-Root-DSRP-Junagadh	1977
312.	Latakasturi (<i>Abelmoschus moschatus</i>)-SRP-V	1977
313.	Vidanga (<i>Embelia ribes</i> Burn.) - SRP-V	1977
314.	Bl leaves (<i>Betula utilis</i>)-SRP-V	1977
315.	Neem leaves (<i>Azadirachta indica</i>)-SRP-V	1977
316.	Kadira Pachai (<i>Pogostemon heyneanus</i> Benth) (Tamil)-CSMRIM	1978
317.	Chitraka (<i>Plumbago zeylanica</i> L.) -CSMRIM	1978
318.	Chirata (<i>Swertia chirata</i> Buch Ham.)-CSMRIM	1978
319.	Jatipatry (<i>Myristica fragrans</i> Houtt) -CSMRIM	1978
320.	Pashanabheda (<i>Aerva lanata</i> Juss) -CSMRIM	1978
321.	Kanaka champa (<i>Ochna squarrosa</i> L.)-CSMRIM	1978
322.	Kadala Churuki, Malayalam (<i>Oldenlandia auriculata</i> K. Schum)-CSMRIM	1978
323.	Tankari (<i>Physalis minima</i> L. (Tamil)-CSMRIM	1978
324.	Shalaparni (<i>Desmodium gangeticum</i> DC.)-CSMRIM	1978
325.	Vamsha (<i>Bambusa bambos</i> Druce) -CSMRIM	1978
326.	Ikshu (<i>Saccharum officinarum</i> L.) -CSMRIM	1978
327.	Kakamachi (<i>Solanum nigraum</i> L.)-CSMRIM	1978



328.	Krishna sariba (<i>Cryptolepis buchanani</i> Roem. & Schult.)- CSMDRIAC	1978
329.	Devadaru (<i>Cedrus deodara</i> Roxb.) -CSMRIM	1978
330.	Musta (<i>Cyperus rotundus</i> L.)-CSMRIM	1978
331.	Banjauri (<i>Vicoa indica</i> DC.) (Hindi) -CSMRIM	1978
332.	Kanchanara (<i>Bauhinia variegata</i> L.)-RRCB	1978
333.	Shatavari (<i>Asparagus racemosus</i> Willd) -RRCB	1978
334.	Varuna (<i>Crataeva nurvala</i> Buch Ham)-RRCB	1978
335.	Vijaya (<i>Cannabis sativa</i> L.)-RRCB	1978
336.	Nagabala (<i>Sida spinosa</i> L.)-RRCB	1978
337.	Vijayasara (<i>Pterocarpus marsupium</i> Roxb.)-RRCB	1978
338.	Vidari (<i>Pueraria tuberosa</i>)- RRCB	1978
339.	Raktha chandana (<i>Pterocarpus santalinus</i> L.)-RRCB	1978
340.	Dhatura (<i>Datura metel</i> L.)--RRCB	1978
341.	Jambu (<i>Syzygium cumini</i> (L.) Kuls)-RRI-T	1978
342.	Jayopala (<i>Croton tiglium</i> L.)-RRI-T	1978
343.	Bakuchi (<i>Psoralea corylifolia</i>)-RRI-T	1978
344.	Jambira (<i>Citru limonia osbeck.</i>)-RRI-T	1978
345.	Vacha (<i>Acorus calamus</i> -Rhizome) -RRI-T	1978
346.	Shotapushpa (<i>Peucedanum graveolens</i> Benth & H)-RRI-T	1978
347.	Devadaru (<i>Cidrus libani</i> var. <i>deodara</i> Hook.F)-RRI-T	1978
348.	Ativisha (<i>Aconitum heterophyllum</i> Wall.)-RRI-T	1978
349.	<i>Vicoa indica</i> -Captain Srinivasa Murti Drug Research Institute for Ayurveda, Madras	1979
350.	<i>Aglaia roxburghiana</i> -CSMDRIA, Madras	1979
351.	<i>Dysoxylum malabaricum</i> -CSMDRIA, Madras	1979
352.	<i>Desmodium gangeticum</i> -CSMDRIA, Madras	1979
353.	Chitraka(<i>Plumbago zeylanica</i> L.)-CSMDRIA, Madras	1979
354.	Haritaki (<i>Terminalia chebula</i>)-CSMDRIA, Madras	1979
355.	Chitraka(<i>Plumbago zeylanica</i>)-CSMDRIA, Madras	1980
356.	<i>Nappia foetide</i> -CSMDRIA, Madras	1980
357.	<i>Maytanus emarginatus</i> -CSMDRIA, Madras	1980
358.	<i>Vicoa indica</i> -CSMDRIA, Madras	1980
359.	<i>Ervatamia heyene</i> -CSMDRIA, Madras	1980
360.	Eranda(<i>Ricinus communis</i> L.)-RRI-T	1980
361.	Kulanjan-bheda (<i>Alpina Calcarata</i>) Rhizome-RRI-T	1980
362.	Amrita (<i>Tinospora cordifolia</i>)-RRI-T	1980
363.	Pharangi(<i>Carica papaya</i> L.)--RRI-T	1980
364.	Gambhari (<i>Gmelina arborea</i> L.)-RRI-T	1980
365.	Sahachara(<i>Barleria prionitis</i> L.)-RRI-T	1980
366.	Vrischikali (<i>Tragia involucrate</i>)-RRI-T	1980
367.	Citraka (<i>Plumbago rosea</i> L.) root- RRI-T	1980
368.	Rakta citraka (<i>Plumbago rosea</i>)-RRI-T	1980
369.	Saptarangi (<i>Salacia prenoides</i> -root bark)-RRI-T	1980
370.	Vidanga (<i>Emblia ribes</i>)-RRI-T	1980
371.	Bayabidanga (<i>E. robusta</i>)-RRI-T	1980



372.	Sweta sariva (<i>Hemidesmus indica</i>)-RRI-T	1980
373.	<i>Ichnocarpus frutescens</i> -RRI-T	1980
374.	Ela (<i>Elettaria cardamomum</i>)-RRI-T	1980
375.	<i>Amomum scrobiculatum</i> -RRI-T	1980
376.	Ashwagandha (<i>Withania somnifera</i> Dunal-Root)-RRI-T	1980
377.	Ashwagandha (<i>Withania coagulans</i> Dunal)-RRI-T	1980
378.	Pippali (<i>Piper longum</i> L.-fruit) – RRI-T	1980
379.	Ela (<i>Elettaria cardamomum</i>)-RRCB	1980
380.	Jatiphala (<i>Myristica fragrans</i>)-RRCB	1980
381.	Krishna jeeraka (<i>Nigella indicum</i>)-RRCB	1980
382.	Nirgundi (<i>Vitex negundo</i> L.)-RRCB	1980
383.	Nimba (<i>Melia azadirachta</i>) -RRCB	1980
384.	Haridra (<i>Curcuma longa</i> L.-Rhizome)-RRCB	1980
385.	Amrita (<i>Tinospora cordifolia</i>)-RRCB	1980
386.	Kushtha (<i>Saussurea lappa</i>) – RRCB	1980
387.	Kiratika (<i>Swertia chirata</i>)-AU, Tarikhet	1980
388.	Kuberaksa (<i>Caesalpinia crysta</i>)-AU, Tarikhet	1980
389.	Vidanga (<i>Embelia ribes</i>)-AU, Tarikhet	1980
390.	Vacha (<i>Acorus calamus</i>)-AU, Tarikhet	1980
391.	Vijaya Sara (<i>Pterocarpus marsupium</i>)-AU, Tarikhet	1980
392.	Haridra (<i>Curcuma longa</i> L.)-AU, Tarikhet	1980
393.	Kantakari (<i>Solanum xanthocarpum</i>)-SRP-Jamnagar	1980
394.	Brihati (<i>Solanum indicum</i>) -SRP-Jamnagar	1980
395.	Halam-SRP-Jamnagar	1980
396.	Shaliparni (<i>Deshmodium gangeticum</i>) -SRP-Jamnagar	1980
397.	Shatavari (<i>Asparagus racemosus</i> Willd)-SRP-Jamnagar	1980
398.	Yavani (<i>Trachyspermum ammi</i> (L.) Sprague)- SRP-J	1980
399.	Modhuka-SRP-Jamnagar	1980
400.	Vacha (<i>Acorus calamus</i>)-SRP-Jamnagar	1980
401.	Shatahva (<i>Anethum sowa</i> Kurz.)-SRP-Jamnagar	1980
402.	Pippali (<i>Piper longum</i> L.)-SRP-Jamnagar	1980
403.	Bilva (<i>Aegle marmelos</i> L.)-SRP-Jamnagar	1980
404.	Eranda (<i>Ricinus communis</i> L.)-SRP-Jamnagar	1980
405.	Vidari (<i>Pueria tuberosa</i>)-SRP-Jamnagar	1980
406.	Bilva (<i>Aegle marmelos</i> L.)-CRU-Delhi	1980
407.	Kachanara(<i>Bauhinia varigata</i>)-CRU-Delhi	1980
408.	Ajmoda (<i>Trachyspermum roxburgianum</i>)-CRU-Delhi	1980
409.	<i>Apium leptaphyllum</i> -CRU-Delhi	1980
410.	<i>Cyperus pargoria</i> -CRU-Delhi	1980
411.	Kampillaka (<i>Mallotus philippinensis</i>)-CRU-Delhi	1980
412.	Atibala (<i>Abutilon indicum</i> L.)-CRU, Hyderabad	1980
413.	Lodhra (<i>Symplecos spicata</i>)-CRU, Varanasi	1980
414.	Sakhotaka (<i>Sterbulus asper</i>)-CRU, Varanasi	1980
415.	Sirisa (<i>Albizzia lebbeck</i>)-CRU, Varanasi	1980
416.	Pitapapra (<i>Fumaria indica</i>)-CRU, Varanasi	1980



417.	Vasa (<i>Adhatoda vasica</i>)-RRI, AU, SRP-J	1981
418.	Haridra (<i>Curcuma longa</i>)- RRI, RRC, SRP-J	1981
419.	Chitraka (<i>Plumbago zeylanica</i>)- RRI, CSMDRIA	1981
420.	Pashanabheda (<i>Rhabdia lycioides</i>)- RRI	1981
421.	Somanga (<i>Cassia kleinii</i>)- RRI	1981
422.	Parachunda (<i>Solanum torvum</i>)- RRI	1981
423.	Guduchi (<i>Tinospora cordifolia</i>)- RRI, SSP-J	1981
424.	Haritiki (<i>Terminalia chebula</i>)- RRI	1981
425.	Eranda (<i>Ricinus communis</i>)- RRI	1981
426.	Kakadani (<i>Cardiospermum halicacabum</i>)- RRI	1981
427.	Bharangi (<i>Clerodendrum serratum</i>)- RRI, SSP-J	1981
428.	Nimbha (<i>Melia azadirachta</i>)- RRI, SSP-J	1981
429.	Daruharidra (<i>Berberis aristata DC.</i>)-RRI	1981
430.	Kantakari (<i>Solanum xanthocarpum</i>)- RRI	1981
431.	Tumbi (<i>Trichosanthes dioica</i>)- RRI	1981
432.	Punarnava (<i>Boerhavia diffusa</i>)-RRI	1981
433.	Patha (<i>Cissampelos pareira L.</i>)- RRI	1981
434.	Shatavari (<i>Asparagus racemosus</i> Willd.-RRI, CSMDRIA or <i>Strobilanthes hyneanus</i>)- RRI	1981
435.	Hul-Hul (<i>Gynandropsis gynandra</i>)- RRI	1981
436.	Jatiphala (<i>Myristica fragrans</i>)-RRI, AU	1981
437.	Yasti (<i>Glycyrrhiza glabra</i>)- RRI	1981
438.	Twak (<i>Cinnamomum zeylanicum</i> or <i>Kaempferia galangal</i>)-RRI	1981
439.	Pushkaramula (<i>Inula racemosa</i> Hook. f.)-RRI	1981
440.	Devadaru (<i>Cedrus deodara</i>)- RRI, AU	1981
441.	Maricha (<i>Piper nigrum</i>)-RRI	1981
442.	Kankola (<i>Piper cubeba</i>)- RRI	1981
443.	Manjistha (<i>Rubia cordifolia</i>)- RRI, AU, SSP-J	1981
444.	Suet puspi (<i>Pimpinella anisum</i>)- RRI	1981
445.	Patra (<i>Cinnamomum tamala</i>)- RRI, HU, SRP-J	1981
446.	Ela (<i>Eletaria cardamomum</i>)-RRI	1981
447.	Bilva (<i>Aegel marmelos L.</i>)- RRI	1981
448.	Suet kikas (<i>Acacia leucophloea</i>)-RRI	1981
449.	Kushta (<i>Saussurea lappa</i>) - RRI, AU, SSP-J	1981
450.	Pippali (<i>Piper longum</i>)- RRI	1981
451.	Lavanga (<i>Syzygium aromaticum</i>)- RRI,RRC	1981
452.	Nagakeshara (<i>Mesua ferrea L.</i>)-RRI	1981
453.	Chandana (<i>Santalum album</i>)- RRI, AU	1981
454.	Vtasanabha (<i>Aconitum chasmanthum</i>)- RRI	1981
455.	Trivrit (<i>Operculina turpethum</i>)- RRI	1981
456.	Indravaruni (<i>Citrullus colocynthis</i>)- RRI, CSMDRIA	1981
457.	Tejaswini (<i>Xanthoxylum alatum</i>)-RRI	1981
458.	Dhataki (<i>Woodfordia fruticosa</i>)- RRI, SRP-J	1981
459.	Karaveera (<i>Neerium ododrum</i>)- RRI	1981
460.	Kakamachi (<i>Solanum indicum</i>)- RRI, AU	1981



461.	Balabheda (<i>Sida retusa</i> L.) RRI	1981
462.	Shunti (<i>Zingiber officinale</i>) RRI	1981
463.	Hingu (<i>Ferula jaeschkeana</i>) RRI	1981
464.	Gambari (<i>Gmelia arborea</i>) RRC, SRP-J	1981
465.	Sthulaila (<i>Amomum subulatum</i>)- RRC	1981
466.	Nimbu (<i>Citrus medica</i>) – RRC	1981
467.	<i>Citrus maxima</i> - RRC	1981
468.	Dhaturo (<i>Datura metel</i>) -RRC, SRP-J	1981
469.	Jayaphala (<i>Croton tiglium</i>)- RRC	1981
470.	Vidari (<i>Pueraria tuberosa</i>)- RRC	1981
471.	Nirgundi (<i>Vitex negundo</i>)- RRC	1981
472.	Aragvadha (<i>Cassia fistula</i>) - RRC	1981
473.	Sweta kutaja (<i>Wrightia tintoria</i>)- CSMDRIA	1981
474.	Punarnava (<i>Boerhavia diffusa</i>) - CSMDRIA	1981
475.	Ishwari (<i>Aristolochia indica</i> L.)- CSMDRIA, AU	1981
476.	Sweta Punarnava (<i>Trianthema portulacastrum</i>) CSMDRIA	1981
477.	Rasna (<i>Alpinia officinarum</i>) - CSMDRIA	1981
478.	Nilotpala (<i>Nymphaea stellata</i>)- CSMDRIA	1981
479.	<i>Jatropha glandulifera</i> - CSMDRIA	1981
480.	<i>Dichroa febrifuga</i> - CSMDRIA	1981
481.	<i>Gymnosporia rothiana</i> - CSMDRIA	1981
482.	<i>Paracaryum coelestinum</i> - CSMDRIA	1981
483.	<i>Hyptis suaveolens</i> - CSMDRIA	1981
484.	<i>Strobilanthes callosus</i> - CSMDRIA	1981
485.	<i>Solidago senoprvirens</i> - CSMDRIA	1981
486.	Banjauri (<i>Vicoa indica</i>) – CSMDRIA	1981
487.	<i>Hopea parviflora</i> - CSMDRIA	1981
488.	<i>Carallia brachiata</i> - CSMDRIA	1981
489.	<i>Cajanus cajan</i> - CSMDRIA	1981
490.	<i>Atalantia racemosa</i> - CSMDRIA	1981
491.	Madhuka (<i>Madhuca Indica</i>) - AU	1981
492.	Vacha (<i>Acorus calamus</i>) - AU	1981
493.	Babbula (<i>Acacia Arabica</i>) - AU	1981
494.	Karkata shringi (<i>Pistacia integerrima</i>) - AU	1981
495.	Shankhapushpi (<i>Evolvulus alsinoides</i>) - AU	1981
496.	Parpata (<i>Fumaria indica</i>) - AU, SRP-J	1981
497.	Dhataki (<i>Woodfordia fruticosa</i>) - AU, SRP-J	1981
498.	Gokshura (<i>Tribulus terrestris</i>) - AU, SRP-J	1981
499.	Apamarga (<i>Achyranthes aspera</i>) - AU, SRP-J	1981
500.	Shyonaka (<i>Oroxylum indicum</i>) - AU	1981
501.	Sahachara (<i>Barleria prionitis</i> L.) - AU, SRP-J	1981
502.	Meda (<i>Polygonatum cirrhifolium</i> Royle)- AU	1981
503.	Mahameda (<i>Polygonatum cirrhifolium</i> Royle)- AU	1981
504.	Sriva (<i>Hemidesmus indicus</i>) - AU	1981
505.	Kataka (<i>Stychnos potatorum</i>) - AU	1981



506.	Shatapuspa (<i>Anethum sowa</i> Kurz.) - AU	1981
507.	Shigru(<i>Moringa pterygosperma</i>) - AU, SRP-J	1981
508.	Lodhra (<i>Symplocos racemosa</i> - AU	1981
509.	Pippali (<i>Piper longum</i>) - AU	1981
510.	Kuberasha (<i>Cesalpinia bounducella</i>) - AU, SRP-J	1981
511.	Madanaphala (<i>Randia dumetorum</i>) - AU	1981
512.	Shirisha (<i>Albezzia lebbeck</i>) - AU, SRP-J	1981
513.	Nirgundi(<i>Vitex negundo</i> L.) - SRP-J	1981
514.	Katuki (<i>Picrorhiza kurroa</i>) - SRP-J	1981
515.	Putika (<i>Holoptelea integrifolia</i> Planch.)- SRP-J	1981
516.	Bilva (<i>Aegle marmelos</i> L.) - SRP-J	1981
517.	Usheera (<i>Vetivera rizanoides</i>) - SRP-J	1981
518.	Raktachandana (<i>Petrocarpus santhelimus</i>) - SRP-J	1981
519.	Asvagandha (<i>Withania somnifera</i>) - SRP-J	1981
520.	Tumburu (<i>Zanthoxylum alatum</i>)- SRP-J	1981
521.	Agnimantha (<i>Premna serratifolia</i>) - SRP-J	1981
522.	Shalaparni (<i>Dsmodium gangeticum</i>) - SRP-J	1981
523.	Dhanyak (<i>Coriandrum sativum</i>) - SRP-J	1981
524.	Kachura (<i>Hedyachium spicatum</i>) - SRP-J	1981
525.	<i>Pluchea lanceolata</i> - SRP-J	1981
526.	Patola (<i>Pterospermum suaveolens</i>) - SRP-J	1981
527.	Salamali (<i>Bombax malabaricum</i>) - SRP-J	1981
528.	Karpura (<i>Cinnamomum camphora</i>) - SRP-J	1981
529.	Jaharmohara- SRP-J	1981
530.	Dronapushpi (<i>Leucas cephalotes</i>) - SRP-J	1981
531.	Akika (Agate) - SRP-J	1981
532.	Nagabala (<i>Sida rhombifoli</i>) - SRP-J	1981
533.	Jalapippali (<i>Lippia nodiflora</i>) - SRP-J	1981
534.	Karanja (<i>Pongamia glabra</i>) - SRP-J	1981
535.	Rohisha (<i>Cymbopogon jwarancusa</i>) - SRP-J	1981
536.	Tamala patra (<i>Cinnamomum tamala</i>) RRCB, PSRUJ	1982
537.	Aragvadha (<i>Cassia fistula</i>)- RRCT, PSRUJ	1982
538.	Vaca (<i>Acorus calamus</i>)- RRCB, CSMDRIAM, RRI-T	1982
539.	Sankhapuspi (<i>Convolvulus pluricaulis</i>)- RRCB	1982
540.	Puskara mula (<i>Inula racemosa</i> Hook f.)- RRCB, RRI-T	1982
541.	Patola (<i>Trichosanthus cucumerina</i>) - RRCB	1982
542.	Vidari (<i>Flagellaria indica</i>) - RRCB	1982
543.	Vidari (<i>Pueria tuberosa</i>) - RRCB	1982
544.	Vidari (<i>Cycas circinalis</i>) - RRCB	1982
545.	Bala (<i>Sida cordifolia</i>) - RRCB, AUT	1982
546.	Rasna (<i>Pluchea lanceolata</i>)- RRCB, PSRUJ	1982
547.	Twak (<i>Cinnamomum zeylanicum</i>)- RRCB, RRI-T	1982
548.	Tulasi (<i>Ocimum sanctum</i> L.) -RRCB	1982
549.	Vidanga (<i>Embelia ribes</i>)-RRCB	1982
550.	Ankola (<i>Alangium salvifolium</i>)- PSRUJ	1982



551.	Arka (<i>Calotropis procera</i>)-CSMDRIAM, PSRUJ	1982
552.	Sugataka (<i>Trapa bispinosa</i>)- PSRUJ	1982
553.	Kamala (<i>Nelumbo nucifera</i>)- PSRUJ	1982
554.	Puga (<i>Areca catechu</i>)- PSRUJ	1982
555.	Harenuka (<i>Vitex negundo</i>) -PSRUJ	1982
556.	Laksa (<i>Cocus lacca</i>)- PSRUJ	1982
557.	Bilva (<i>Aegle marmelos</i> L.)- RRI-T, PSRUJ	1982
558.	Rasanjana (<i>Berberis sp.</i>)- PSRUJ	1982
559.	Mahanibha (<i>Melia azadirachta</i>)- PSRUJ, CSMDRIAM	1982
560.	Kutaja (<i>Holarrhena antidysenterica</i>)- PSRUJ	1982
561.	Nimba (<i>Azadirachta indica</i>)- PSRUJ	1982
562.	Arjuna (<i>Terminalia arjuna</i>)- PSRUJ	1982
563.	Gunja (<i>Abrus precatorius</i>)- PSRUJ	1982
564.	Jivanti(<i>Leptadenia reticulata</i>)- PSRUJ	1982
565.	Murva (<i>Marsdenia tenesissima</i>)- PSRUJ	1982
566.	Dupapatra (<i>Nicotiana tabaccum</i>)- PSRUJ	1982
567.	Patha (<i>Cissampelos pareira</i> L.)-CSMDRIA, PSRUJ	1982
568.	Brahmi (<i>Bacopa monniera</i>)- PSRUJ, AUT	1982
569.	Agaru (<i>Aqualaria agallocha</i> Roxb.)- PSRUJ	1982
570.	Vridhadaruka (<i>Argyreia speciosa</i>)- PSRUJ	1982
571.	Nicula (<i>Barringtonia acutangula</i>)- PSRUJ	1982
572.	Amlavetasa (<i>Rheum emodi</i>) PSRUJ	1982
573.	Sariva (<i>Hemidesmus indicus</i> R.Br.)- PSRUJ	1982
574.	Amalika (<i>Tamarindus indica</i>)- PSRUJ	1982
575.	Musta (<i>Cyperus rotundus</i> L.)- PSRUJ	1982
576.	Naga kesara (<i>Mesua ferrea</i>)-HRIT, PSRUJ	1982
577.	Dhataki (<i>Woodfordia fruticosa</i>)- HRIT	1982
578.	Dandima (<i>Punica granatum</i>)- PSRUJ	1982
579.	Lavanga (<i>Syzygium aromaticum</i>)- PSRUJ, RRI-T	1982
580.	Talisa patra (<i>Taxus baccata</i>)- CSMDRIAM, PSRUJ	1982
581.	Abis webbiana - CSMDRIAM	1982
582.	Kustha (<i>Saussurea lappa</i>)- CSMDRIAM, PSRUJ, RRI-T	1982
583.	Katphala (<i>Myrica nagi</i>)- PSRUJ	1982
584.	Ela (<i>Elettaria cardamomum</i>)- RRI-T, PSRUJ	1982
585.	Sugandha bala (<i>Pavonia odorata</i>)- PSRUJ	1982
586.	Satavari (<i>Asparagus recemosus</i>)- PSRUJ, RRI-T, CSMDRIAM	1982
587.	Apamarga (<i>Achyranthus aspera</i>)- CSMDRIAM	1982
588.	Haritaki (<i>Terminalia chebula</i> Retz.) - CSMDRIAM	1982
589.	Methika (<i>Trigonella foenum-graecum</i>)- CSMDRIAM	1982
590.	Mayaphala (<i>Quercus infectoria</i>)- CSMDRIAM	1982
591.	Manjistha (<i>Rubia cordifolia</i>) - CSMDRIAM	1982
592.	Masa (<i>Phaseolus radiates</i>)- CSMDRIAM	1982
593.	Madhurika (<i>Foeniculum vulgare</i>)- CSMDRIAM	1982
594.	Mudga (<i>Phaseolus radiates</i>)- CSMDRIAM	1982
595.	Madanphala (<i>Randia dumetorum</i>)- CSMDRIAM, RRI-T	1982



596.	Sala (<i>Shorea robusta</i>)- CSMDRIAM	1982
597.	Draksa (<i>Vitis vinifera</i>)- CSMDRIAM	1982
598.	Sali (<i>Oryza sativa</i>)- CSMDRIAM	1982
599.	Kataka (<i>Strychnos potatorum</i>)- CSMDRIAM	1982
600.	Jyotismati (<i>Celastrus paniculatum</i>)- CSMDRIAM	1982
601.	Bakula (<i>Mimusops elangi</i>)-)- CSMDRIAM	1982
602.	Yasti (<i>Glycyrrhizia glabra</i>)- CSMDRIAM	1982
603.	<i>Scoparia dulcis</i> - CSMDRIAM	1982
604.	Maha Nimba (<i>Melia composite</i>)- CSMDRIAM	1982
605.	Rakta punarnava (<i>Boerhaia diffusa</i>)- CSMDRIAM	1982
606.	Vansa (<i>Bambusa bamboos</i>)- CSMDRIAM	1982
607.	Jambhu (<i>Synzygium cumini</i>)- CSMDRIAM	1982
608.	Hapusa (<i>Sphaeranthus indicus</i>)- CSMDRIAM	1982
609.	Palasa (<i>Butea monosperma</i>)- CSMDRIAM	1982
610.	Nilotpala (<i>Kaempferia rotunda</i>)- CSMDRIAM	1982
611.	<i>Heynea trijuga</i> - CSMDRIAM	1982
612.	<i>Pogostemon heyneanum</i> - CSMDRIAM	1982
613.	Parijata (<i>Nyctanthus arbor-tritis</i>)- CSMDRIAM	1982
614.	Krisnasariva (<i>Cryptolepis buchanani</i>)- CSMDRIAM	1982
615.	Agnimantha (<i>Clerodendrum phlomides</i>)- PSRUJ	1982
616.	Usira (<i>Vetiveria zizanioides</i>)- CSMDRIAM, PSRUJ	1982
617.	Asvagandha (<i>Withania somnifera</i>)- RRI-T, PSRUJ	1982
618.	Lodhra (<i>Symplocos racemosa</i>)- CSMDRIAM	1982
619.	Lodhra (<i>Symplocos spicata</i>)- CSMDRIAM	1982
620.	Kantakari (<i>Solanum xanthocarpum</i>)- CSMDRIAM, RRI-T	1982
621.	Ativisa (<i>Aconitum heterophyllum</i> Wall.)- CSMDRIAM	1982
622.	Rasna (<i>Alpinia galanga</i>)- CSMDRIAM	1982
623.	Kharjura(<i>Phoenix dactylifera</i>)- CSMDRIAM	1982
624.	Sathi (<i>Curcuma zedoria</i>)- CSMDRIAM	1982
625.	Udumbara (<i>Ficus racemosa</i>)- CSMDRIAM	1982
626.	Elavaluka (<i>Prunus avium</i>)- CSMDRIAM	1982
627.	Vidhara (<i>Cycas circinalis</i>)- CSMDRIAM	1982
628.	Asthisamhari (<i>Cissus quadrangularis</i>)- CSMDRIAM	1982
629.	Grahaduma (<i>Terminalia catappa</i>)- CSMDRIAM	1982
630.	Lashuna (<i>Allium sativum</i>)- CSMDRIAM	1982
631.	Babbula (<i>Acacia arabica</i>)- CSMDRIAM	1982
632.	Ashwattha (<i>Ficus religiosa</i>)- CSMDRIAM	1982
633.	Akarakarabha (<i>Anacyclus pyrethrum</i>)- CSMDRIAM	1982
634.	Iswari (<i>Aristolochia indica</i> L.)- CSMDRIAM	1982
635.	Aksodha (<i>Juglans regia</i>)- CSMDRIAM	1982
636.	Visamusti (<i>Strychnos nuxvomica</i>)- CSMDRIAM	1982
637.	Erad (<i>Ricinus communis</i>)- CSMDRIAM	1982
638.	Atasi (<i>Linum usitatissimum</i>)- CSMDRIAM	1982
639.	Ubdi naikela (<i>Lodaeia maldivica</i>)- CSMDRIAM	1982
640.	Divya (<i>Hordeum vulgare</i>)- CSMDRIAM	1982



641.	Adhaki (<i>Cajanus cajan</i>)- CSMDRIAM	1982
642.	Aragvadha (<i>Cassia fistula</i>)- CSMDRIAM	1982
643.	Kulattha (<i>Dolichos biflorus</i>)- CSMDRIAM	1982
644.	Samudra Narikela (<i>Buddelia madagascarensis</i>)	1982
645.	Eranda (<i>Ricinus communis</i>)- CSMDRIAM	1982
646.	Pippali (<i>Piper longum</i>)- RRI-T	1982
647.	Jatiphala (<i>Myristica fragrans</i>)- RRI-T, AUT	1982
648.	Tamalapatra (<i>Cinnamomum tamala</i>)- RRI-T	1982
649.	<i>Illicium griffithi</i> - RRI-T	1982
650.	Cirabilva (<i>Holoptelea integrifolia</i> Planch.)- RRI-T	1982
651.	<i>Alpinia calcarata</i> -RRI-T	1982
652.	Tamalapatra (<i>Pseuderthia viscida</i>)- RRI-T	1982
653.	Salaparni (<i>Desmodium gangeticum</i>)- RRI-T	1982
654.	Brhati (<i>Solanum indicum</i>)- RRI-T	1982
655.	Syonaka (<i>Oroxylum indicum</i>)- RRI-T	1982
656.	Patala (<i>Stereospermum suaveolens</i> DC.)- RRI-T	1982
657.	Tagara (<i>Valeriana wallichii</i>)- RRI-T	1982
658.	Agnimantha (<i>Premna integrifolia</i>)- RRI-T	1982
659.	Velvarhuthima (<i>Pimpinella anicum</i>)- RRI-T	1982
660.	Katuki (<i>Picrorhiza kurroa</i>)- RRI-T	1982
661.	Bala (<i>Sida cordifolia</i> L.)- RRI-T	1982
662.	<i>Concium fenestratum</i>	1982
663.	Sunthi (<i>Zingiber officinale</i> Rosc.)- RRI-T	1982
664.	Hingu (<i>Ferula foetida</i> L.)- RRI-T	1982
665.	Isabgol (<i>Plantago ovata</i>)- RRI-T	1982
666.	Marich (<i>Piper nigrum</i>)- RRI-T	1982
667.	<i>Capsicum fenestratum</i> - RRI-T	1982
668.	Indravaruni (<i>Citrus colcynthes</i>)- RRI-T	1982
669.	Devadaru (<i>Cedrus deodara</i>)- RRI-T	1982
670.	Agnimantha (<i>Premna latifolia</i>)- RRI-T	1982
671.	Gambhari (<i>Gmelina arborea</i> L.)- RRI-T	1982
672.	Chitrak(<i>Plumbago zeylanica</i>)- RRI-T	1982
673.	Trivrit (<i>Operculina turpethum</i>)- RRI-T	1982
674.	<i>Strobilanthus heyneanus</i> - RRI-T	1982
675.	Candana (<i>Santalum album</i>)- RRI-T	1982
676.	Haridra (<i>Cucuma longa</i>)- RRI-T	1982
677.	Sigru (<i>Moringa oleifera</i>)- RRI-T	1982
678.	Karakatasringi (<i>Quercus infectorius</i>)- AUT	1982
679.	Prasarini (<i>Paederia foetida</i>)- AUT	1982
680.	Atibala (<i>Abutilon indicum</i> L.)- AUT	1982
681.	Bhringraja (<i>Eclipta alba</i>)- AUT	1982
682.	Adraka (<i>Zingiber officinlais</i>)-AUT	1982
683.	Tulasi (<i>Ocimum sanctum</i> L.)- AUT	1982
684.	Sarsapa taila (<i>Brassica campestris</i>)- AUT	1982
685.	Snuhi (<i>Euphorbia nerifolia</i>)- AUT	1982



686.	Haridra (<i>Curcuma domestica</i>)- RRI-T	1982
687.	Vibhitika (<i>Terminalia belerica</i> Roxb.)- RRI -PSRUJ	1983
688.	Ajamoda (<i>Trachyspermum ammi</i>)-RRI-T	1983
689.	Krishna jiraka (<i>Carum bulbocastanum</i>) -RRI-T	1983
690.	Patanga (<i>Caesalpinia sappan</i>) -RRI-T	1983
691.	Kutki (<i>Picrorhiza kurroa</i>) -RRI-T	1983
692.	Katuka (<i>Merrina tridantata</i>) -RRI-T	1983
693.	Raktachandana (<i>Pterocarpus santalinus</i>) -RRI-T, AUT, CSMDRIAM	1983
694.	Gunja (<i>Abrus precatorius</i>) -RRI-T, CSMDRIAM	1983
695.	<i>Vitex</i> sp. -RRI-T	1983
696.	Nimbha (<i>Melia azadirachta</i>) -RRI-T, RRCB	1983
697.	<i>Vigna</i> sp.-RRI-T	1983
698.	<i>Ipomea prestrogridis</i> -RRI-T	1983
699.	Shigru (<i>Moringa olifera</i>) -RRI-T	1983
700.	<i>Pimpinella anisum</i> -RRI-T	1983
701.	Punarnava (<i>Boerhaavia diffusa</i>) -RRI-T, CSMDRIAM, PSRUJ	1983
702.	<i>Piper</i> sp.-RRI-T	1983
703.	Yasti (<i>Glycyrrhiza glabra</i>) --RRI-T, CSMDRIAM, PSRUJ	1983
704.	Eranda (<i>Ricinus communis</i>) -RRI-T, CSMDRIAM	1983
705.	<i>Alpinia calcarata</i> -RRI-T	1983
706.	Ashwagandha (<i>Withania somnifera</i> Dunal) -RRI-T	1983
707.	Patha (<i>Cyclea pelata</i> Diels) -RRI-T	1983
708.	Dadima (<i>Punicum granatum</i> L.) -RRI-T	1983
709.	<i>Garcinia comboja</i> -RRI-T	1983
710.	Jiraka (<i>Cuminum cyminum</i>) -RRI-T, PSRUJ	1983
711.	Kutaja (<i>Holarrhena antidysenterica</i>) -RRI-T, PSRUJ	1983
712.	Kamala (<i>Nilumbo nucifera</i>) -RRI-T, PSRUJ	1983
713.	Haritiki (Galls of <i>Terminalia chebula</i>) -RRI-T	1983
714.	Jatiphala/Kosha (<i>Myristica fragrans</i>) -RRI-T, PSRUJ	1983
715.	Khadira (<i>Acacia catechu</i>) -RRI-T, RRCB, AUT	1983
716.	<i>Peucocanum graveolens</i> -RRI-T	1983
717.	<i>Berberis aristata</i> -RRCB	1983
718.	Bilva (<i>Aegle marmelos</i> L.) -RRI-T	1983
719.	Atibala (<i>Abutilon indicum</i>) -RRCB	1983
720.	Daruharidra (<i>Berberis arisata</i> DC.) -RRCB	1983
721.	Kirata tikta (<i>Swertia chirata</i>) -RRCB, PSRUJ	1983
722.	Agnimantha (<i>Clerodrum phlomidis</i>) -RRCT, PSRUJ	1983
723.	Twak (<i>Cinnamomum zelanicum</i>)- RRCB	1983
724.	Shalparni (<i>Demodium gangeticum</i>) - RRCB, PSRUJ	1983
725.	Brihati (<i>Solanum indicum</i>) - RRCB	1983
726.	Patala (<i>Stereospermum tetragonum</i>) - RRI-T	1983
727.	Vajradanti (<i>Barleria prionitis</i>) - RRCB	1983
728.	Vacha (<i>Acorus calamus</i>) - RRCB	1983
729.	Guggulu (<i>Commiphora mukul</i> - RRCB, CSMDRIAM, PSRUJ	1983
730.	Ativisa (<i>Aconitum heterophyllum</i> Wall.)- CSMDRIAM, PSRUJ	1983



731.	Tulasi (<i>Hyptis suaveolens</i>)- CSMDRIAM	1983
732.	Pashana behai (<i>Coleus aromaticus</i>) - CSMDRIAM	1983
733.	Karabha (<i>Capparis zeylanica</i>) - CSMDRIAM	1983
734.	Nagadamani (<i>Artimesia vulgaris</i>)- CSMDRIAM	1983
735.	Sitaphala (<i>Anona squamosa</i>) - CSMDRIAM	1983
736.	Sahachara (<i>Strobilanthus hyneanus</i>) - CSMDRIAM	1983
737.	Kundali (<i>Asina tetraacantha</i>) - CSMDRIAM	1983
738.	Vidara (<i>Opuntia diffusa</i>) - CSMDRIAM	1983
739.	Sirisa (<i>Albezzia lebeck</i>)- CSMDRIAM	1983
740.	Chandana (<i>Santalum album</i>) - CSMDRIAM, PSRUJ	1983
741.	Kshira kakoli (<i>Fritillaria royles</i> Hook.)- CSMDRIAM	1983
742.	Tamula (<i>Piper betel</i>)- CSMDRIAM, PSRUJ	1983
743.	Kakoli (<i>Lilium polyphyllum</i>)- CSMDRIAM	1983
744.	Kasturilatika (<i>Hibiscus abelmoschus</i>)- CSMDRIAM	1983
745.	Koshataki (<i>Luffa acutangula</i>)- CSMDRIAM	1983
746.	Mulaka (<i>Raphanas sativus</i>) - CSMDRIAM	1983
747.	<i>Curcubita pora</i> - CSMDRIAM	1983
748.	Karavellaka (<i>Marmordica charantia</i>)- CSMDRIAM	1983
749.	Matsyakshi (<i>Alternanthera triandra</i>)- CSMDRIAM	1983
750.	Surasa (<i>Vitex trifolia</i>)- CSMDRIAM	1983
751.	Surasa (<i>Woodfordia fruticosa</i>)- CSMDRIAM	1983
752.	Ketaki (<i>Pandanus odoratissima</i>)- CSMDRIAM	1983
753.	Bhallataka (<i>Semecarpus anacardium</i>)- CSMDRIAM	1983
754.	Shveta puernarva (<i>Triantema protulaucastrum</i>)- CSMDRIAM	1983
755.	Kashumanda (<i>Benicas hispida</i>)- CSMDRIAM	1983
756.	Eravaru(<i>Cuminum sativa</i>)- CSMDRIAM	1983
757.	Bimbi (<i>Coccinia indica</i>)- CSMDRIAM	1983
758.	Paribhadra (<i>Erythrina indica</i>)- CSMDRIAM	1983
759.	Shyonaka (<i>Droxylum indicum</i>)- CSMDRIAM	1983
760.	Briugaraja (<i>Eclipta alba</i>)- CSMDRIAM	1983
761.	Pippali (<i>Piper longum</i>)- CSMDRIAM	1983
762.	Perumaram (<i>Ailanthus excelsa</i>)- CSMDRIAM	1983
763.	Narikela (<i>Cocos nucifera</i>)- CSMDRIAM	1983
764.	Ushira (<i>Lippa nodiflora</i>)- CSMDRIAM	1983
765.	Durva (<i>Cynodon dactylon</i>)- CSMDRIAM	1983
766.	Haremuka (<i>Vitex negundo</i>)- CSMDRIAM, AUT	1983
767.	Saptaparna (<i>Alstonia scholaris</i> R.Br)- CSMDRIAM, PSRUJ	1983
768.	Krishna sariva (<i>Cryptolepis buchamani</i> Roem. & Schult.)- CSMDRIAM	1983
769.	Krumuka (<i>Areca catechu</i>)- CSMDRIAM	1983
770.	Atasi (<i>Linus usitatissimum</i>)- CSMDRIAM	1983
771.	Aragvada (<i>Cassia fistula</i>)- CSMDRIAM	1983
772.	Lashuna (<i>Allium sativum</i>)- CSMDRIAM	1983
773.	Visha (<i>Aconitum ferox</i>)- CSMDRIAM	1983
774.	<i>Aconitum ferox</i> - CSMDRIAM	1983
775.	Madan phala (<i>Randia dumentorum</i>)- CSMDRIAM	1983



776.	Bhumyamalaki(<i>Phyllanthus urinaria</i> - CSMDRAM)	1983
777.	Kulinjana (<i>Alpinia galangal</i>)- AUT	1983
778.	Vyaghranakhi (<i>Martynia annua</i>)- AUT	1983
779.	Anisuna (<i>Pimpinella anisum</i>)- AUT	1983
780.	Rumimastaki (<i>Pistacia tenenscens</i>)- AUT	1983
781.	Danti (<i>Baliospermum montanum</i>) - AUT	1983
782.	Musta (<i>Cyperus rotunanus</i>)- AUT	1983
783.	Tila (<i>Sesamum indicum</i>)- AUT	1983
784.	Kankola(<i>Piper cubeba</i>)- AUT	1983
785.	Priyangu (<i>Calicarpa macrophylla</i>)- AUT	1983
786.	Bhringaraja (<i>Eclipta alba</i>)- AUT	1983
787.	Agaru (<i>Aqualaria agallocha</i> Roxb.)- AUT	1983
788.	Ardraka (<i>Zingiber officinale</i> Rosc.)- AUT, PSRUJ	1983
789.	Chitraka (<i>Plumbago zeylanica</i>)- AUT, PSRUJ	1983
790.	Saindhava lavan - AUT	1983
791.	Manashila- AUT	1983
792.	Haratala - AUT	1983
793.	Mrinddara shringa - AUT	1983
794.	Sankha jirka- AUT	1983
795.	Ambar- AUT	1983
796.	Vanshalochan- AUT	1983
797.	Lime powder - AUT	1983
798.	Aragwadha (<i>Cassia fistula</i>)- PSRUJ	1983
799.	Devadaru(<i>Cedrus deodara</i>)- PSRUJ	1983
800.	Langali (<i>Gloriosa superb</i>) - PSRUJ	1983
801.	Palash (<i>Butea monosperma</i>)- PSRUJ	1983
802.	Lajjalu (<i>Mimosa pudica</i>)- PSRUJ	1983
803.	Vijaya (<i>Cannabis sativa</i> L.) - PSRUJ	1983
804.	Lodhra(<i>Symplocos racemosa</i>) - PSRUJ	1983
805.	Tagar (<i>Valeriana wallichii</i>) - PSRUJ	1983
806.	Sarpandha (<i>Rauwolfia serpentina</i> L. Benth) - PSRUJ	1983
807.	Macarasa (<i>Salmalia serpentina</i>) - PSRUJ	1983
808.	Kapikachu (<i>Mucuna pruriens</i>) - PSRUJ	1983
809.	Mayaphala (<i>Quercus infectoria</i>) - PSRUJ	1983
810.	Musali (<i>Asperagus adscendes</i>) - PSRUJ	1983
811.	Elavaluka (<i>Prunus avium</i>)- PSRUJ	1983
812.	Syonaka (<i>Oroxylum indicum</i>) - PSRUJ	1983
813.	Hapusa (<i>Juniperus communis</i>) - PSRUJ	1983
814.	Saileyaka (<i>Parmelia perlata</i>) - PSRUJ	1983
815.	Chakramarda (<i>Cassia tora</i>) - PSRUJ	1983
816.	Draksha (<i>Vitis vinifera</i>) - PSRUJ	1983
817.	Bakuci (<i>Psoralia corylifolia</i>) - PSRUJ	1983
818.	Trayamana (<i>Gentiana kurroa</i>) - PSRUJ	1983
819.	Amalaki (<i>Emblica officinalis</i>) - PSRUJ	1983
820.	Haritaki (<i>Terminalia chebula</i> Retz.) - PSRUJ	1983



821.	Madhuka (<i>Madhuka latifolia</i>) - PSRUJ	1983
822.	Kulatha (<i>Dolichos biflorus</i>) - PSRUJ	1983
823.	Ela (<i>Elettaria cardamomum</i>) - PSRUJ	1983
824.	Chavya (<i>Piper chaba</i>) - PSRUJ	1983
825.	Katphala (<i>Myrica nagi</i>) - PSRUJ	1983
826.	Jatamansi (<i>Nardostachys jatamansi</i> DC.) - PSRUJ	1983
827.	Sringi (<i>Pistacia integririma</i>) - PSRUJ	1983
828.	Lavanga (<i>Syzygium aromaticum</i>) - PSRUJ	1983
829.	Krisnajiraka(<i>Carum carvi</i>) - PSRUJ	1983
830.	Puskara mula (<i>Inula racemosa</i> Hook. f.) - PSRUJ	1983
831.	Marich (<i>Piper nigrum</i>) - PSRUJ	1983
832.	Nagakesara (<i>Mesua ferrea</i>) - PSRUJ	1983
833.	Talisapatra (<i>Taxus baccata</i>) - PSRUJ	1983
834.	Sariva (<i>Hemidesmus indicus</i>) - PSRUJ	1983
835.	Jivanti (<i>Leptadenia reticulata</i>) - PSRUJ	1983
836.	Rasna (<i>Pluchea lanceolata</i> Oliver & Hiern.) - PSRUJ	1983
837.	Yava (<i>Hordeum vulgare</i>) - PSRUJ	1983
838.	Presniparni (<i>Uraria picta</i>) - PSRUJ	1983
839.	Babbula (<i>Acacia arabica</i>) - PSRUJ	1983
840.	Gambhari (<i>Gmelina arborea</i>) - PSRUJ	1983
841.	Rudraksa (<i>Eleocarpus ganitrus</i>) - PSRUJ	1983
842.	Kantakari (<i>Solanum xanthocarpum</i>) - PSRUJ	1983
843.	Patala (<i>Stereospermum suaveolens</i> DC.) - PSRUJ	1983
844.	Chavya (<i>Piper attenuatum</i>) RRI-T	1984
845.	Krishnajiraka (<i>Nigella sativa</i>) RRI-T	1984
846.	Rasna (<i>Vanda roxberurghii</i>) RRI-T	1984
847.	Guduchi (<i>Tinospora cordifolia</i>)- CSMDRIAM	1984
848.	Kambipala (<i>Ervatamia heyneana</i>) CSMDRIAM	1984
849.	Kiratatikta (<i>Swertia chirata</i>) CSMDRIAM	1984
850.	Madanagandhi (<i>Boerhaavia hispida</i>) CSMDRIAM	1984
851.	Gandha partri(<i>Pogostemon heyneanum</i>)- CSMDRIAM	1984
852.	Parijata (<i>Nyctanthes arbor-tristis</i>)- CSMDRIAM	1984
853.	Ranabheri (<i>Leonotis nepetaefolia</i>) – CSMDRIAM	1984
854.	Bhurja (<i>Betula utilis</i>)CSMDRIAM	1984
855.	Banjauri(<i>Vicoa indica</i>)CSMDRIAM	1984
856.	Bala (<i>Sida cordifolia</i> L.)- AUT	1984
857.	Priyangu (<i>Callicarpa macrophylla</i> Vahl.)- AUT	1984
858.	Atibala (<i>Abutilon indicum</i> L.)-AUT	1984
859.	Jayapala (<i>Croton tiglium</i>)- AUT	1984
860.	Shobhanjana (<i>Moringa pterygosperma</i>)-AUT	1984
861.	Duralabha (<i>Fagonia arabica</i>)-AUT	1984
862.	Dhatura (<i>Dhatura alba</i>)-AUT	1984
863.	Renuka (<i>Vitex negundo</i> L.) –AUT	1984
864.	Shankha pushpee (<i>Clitoria ternatea</i>) AUT	1984
865.	Brahmi (<i>Bacopa monniera</i>)- AUT	1984



866.	Tulasi (<i>Ocimum sanctum</i> L.) – AUT	1984
867.	Khadira (<i>Acacia catechu</i>) AUT	1984
868.	Lime powder -AUT	1984
869.	Vanshalchana- AUT	1984
870.	Gairika -AUT	1984
871.	Tankana -AUT	1984
872.	Haratala -AUT	1984
873.	Hingula (<i>Ferula foetida</i> L.)-AUT	1984
874.	Manashila -AUT	1984
875.	Lavanga (<i>Syzygium aromaticum</i>)- RRCB,	1984
876.	Tambula (<i>Piper betel</i>)-RRCB	1984
877.	Vijaya (<i>Cannabis sativa</i> L.) -RRCB	1984
878.	Karchura(<i>Hedychium spicatum</i>) -RRCB	1984
879.	Samumdraphala (<i>Barringtonia acutangula</i>) -RRCB	1984
880.	Kutaja (<i>Holarrhena antidysenterica</i>) –RRCB	1984
881.	Patola (<i>Trichosanthes cucumerina</i>) – RRCB	1984
882.	Bhringraja (<i>Eclipta alba</i>)- RRCB	1984
883.	Ela (<i>Elettaria cardamomum</i>)- RRCB	1984
884.	Bala (<i>Sida cordifolia</i> L.)- SRP-J	1984
885.	Satahva (<i>Anethum sowa</i>) – SRPJ	1984
886.	Bilva (<i>Aegle marmelos</i> L.) - SRP-J	1984
887.	Vidari (<i>Pueraria tuberosa</i>)- SRP-J	1984
888.	Guduchi satva (Starch from <i>Tinospora cordifolia</i>)- SSP-J	1984
889.	Haridra (<i>Curcuma longa</i>)- SRP-J	1984
890.	Raktachandana (<i>Pterocarpus santalinus</i>) - SRP-J	1984
891.	Raktachandana (<i>Pterocarpus santalinus</i>) – AUT	1984
892.	Ashwagandha (<i>Withania somnifera</i> Dunal) – SRP-J	1984
893.	Gokshura (<i>Tribulus terrestris</i>) SRP-J	1984
894.	Ksira Vidari (<i>Ipomoea digitata</i> L.)- SRP-J	1984
895.	Methika (<i>Trigonella foenum-graecum</i>)- SRP-J	1984
896.	Madhurika (<i>Foeniculum vulgare</i>)- SRP-J	1984
897.	Aragvadha(<i>Cassia fistula</i>)- SRP-J	1984
898.	Shathi (<i>Hedychium spicatum</i>) SRP-J	1984
899.	Pushkara (<i>Inula racemosa</i> Hook. f.)- SRP-J	1984
900.	Trivrit (<i>Operculina turpethum</i>)- SRP-J	1984
901.	Guduchi (<i>Tinospora cordifolia</i>)- SSP-J	1984
902.	Langali (<i>Gloriosa superba</i>) - SSP-J	1984
903.	Vatsanabha (<i>Aconitum chasmanthum</i>)-SSP-J	1984
904.	Kutaja (<i>Holarrhena antidysenterica</i>)-SSP-J	1984
905.	Nirgundibeeja (<i>Vitex negundo</i> L.)-PSRUJ	1985
906.	Brihati (<i>Solanum indicum</i> L.)-PSRUJ	1985
907.	Kulatha (<i>Dolichos biflorus</i>)--PSRUJ	1985
908.	Masaparni (<i>Tecomous labialis</i>)--PSRUJ	1985
909.	Karchura (<i>Curcuma zeodaria</i>)-PSRUJ	1985
910.	Chakramarda (<i>Cassia tora</i>) -PSRUJ	1985



911.	Jayapala (<i>Croton tiglium</i>)-PSRUJ	1985
912.	Babbula (<i>Acacia arbica</i>)-PSRUJ	1985
913.	Jyotismati (<i>Celastrus paniculatus</i> Willd.) -PSRUJ	1985
914.	Mudga parni (<i>Phaseolus trilobus</i>)-PSRUJ	1985
915.	Sahachara (<i>Barleria prionites</i> L.)-PSRUJ	1985
916.	Elavaluka (<i>Prunus avium</i>)-PSRUJ	1985
917.	Aragvadha (<i>Cassia fistula</i>)-PSRUJ	1985
918.	Mocharasa (<i>Salmalia malabarica</i>)-PSRUJ	1985
919.	Saurastri (Alum)-PSRUJ	1985
920.	Nimba (<i>Azadirachta indica</i>)-PSRUJ	1985
921.	Prasarini (<i>Paederia foetida</i>)-PSRUJ	1985
922.	Sarsapa (<i>Brassica campestris</i>)-PSRUJ	1985
923.	Indrayava (<i>Holarrhena antidysenterica</i>)-PSRUJ	1985
924.	Parijata (<i>Nyctanthus arborstristis</i>)-CSMDRIAM	1985
925.	<i>Altingia racemosa</i> -CSMDRIAM	1985
926.	Vandhyavari (<i>Vicoa indica</i>) – CSMDRIAM	1985
927.	Agnimantha (<i>Premna integrifolia</i> L.)-CSMDRIAM	1985
928.	Bhojpatra (<i>Betula utilis</i>)-CSMDRIAM	1985
929.	<i>Poochadira pattai</i> -CSMDRIAM	1985
930.	Agnimantha (<i>Clereodendron verifolium</i>)-CSMDRIAM	1985
931.	<i>Dichora febrifuga</i> -CSMDRIAM	1985
932.	Agaru (<i>Aqualaria agallocha</i> Roxb.) – RRCB	1985
933.	Vishala (<i>Trichosnathes palmata</i>)– RRCB	1985
934.	Vridhdharu (<i>Argyria speciosa</i>)– RRCB, RRI-T, AUT	1985
935.	Nagakeshar (<i>Mesua ferrea</i> L.) – RRCB	1985
936.	Shatavari (<i>Asparagus racemosus</i> Willd.)– RRCB	1985
937.	Vishnukranti (<i>Evolvulus alsinoides</i>)– RRCB	1985
938.	Ela (<i>Elettaria cardamomum</i>)– RRCB	1985
939.	Pushkaramula (<i>Inula racemosa</i> Hook. f.)– RRCB	1985
940.	Jatiphala (<i>Myristica fragrans</i>)-RRCB	1985
941.	Karkatashringi (<i>Pistacia integerrima</i>)-RRI-T	1985
942.	<i>Oldenlandia corymbosa</i> – RRI-T	1985
943.	Gunja (<i>Abrus precatorius</i>)-RRI-T	1985
944.	<i>Acalpha indica</i> -RRI-T	1985
945.	Kiratatikta (<i>Andrographis paniculata</i>)-RRI-T	1985
946.	Brahmi (<i>Bacopa monniera</i>)-RRI-T	1985
947.	<i>Biophytum sensitivum</i> -RRI-T	1985
948.	Mandooka parni (<i>Centella asiatica</i>)-RRI-T, AUT	1985
949.	<i>Coseria curzniflora</i> -RRI-T	1985
950.	<i>Chonemorpha macrophylla</i> -RRI-T	1985
951.	Twak beeda (<i>Cinnamomum wightiana</i>)-RRI-T	1985
952.	Shankha pushpee (<i>Clitoria ternatea</i>) AUT	1985
953.	Narikela(<i>Cocus nucifera</i>)-RRI-T	1985
954.	Guggulu (<i>Commiphora mukul</i>)-RRI-T	1985
955.	<i>Croton oblongifolius</i> -RRI-T	1985



956.	<i>Cryptocoryne spiralis</i> -RRI-T	1985
957.	Durva (<i>Cynodon dactylon</i>)-RRI-T	1985
958.	<i>Dysoxylum malabaricum</i> -RRI-T	1985
959.	Vata (<i>Ficus bengalensis</i>) – RRI-T	1985
960.	Lakhsa(<i>Cocus locca</i>)-RRI-T	1985
961.	Jivanti (<i>Leptadenia reticulata</i>)-RRI-T	1985
962.	<i>Mahonia eschenaulti</i> -RRI-T	1985
963.	Amra (<i>Mangifera indica</i> L.)-RRI-T	1985
964.	<i>Mollugo cerviana</i> -RRI-T	1985
965.	Atmagupta (<i>Mucuna pruriens</i>)- RRI-T	1985
966.	Kadli (<i>Musa paradisiaca</i>)-RRI-T	1985
967.	Upakunchika (<i>Nigella sativa</i> L.)-RRI-T	1985
968.	<i>Oldenlandia corymbosa</i> – RRI-T	1985
969.	Changeri (<i>Oxalis corniculata</i>)-RRI-T	1985
970.	Pippali bheda (<i>Piper attenuatum</i>)-RRI-T	1985
971.	Vakuchi (<i>Psoralia corilifolia</i>)-RRI-T	1985
972.	Sarsapagandha (<i>Rauwolfia serpentina</i>)-RRI-T	1985
973.	Chandana (<i>Santalum album</i>) – RRI-T	1985
974.	Ashoka (<i>Saraca indica</i>)-RRI-T	1985
975.	Sala (<i>Shorea robusta</i> Gaertn.f.)-RRI-T	1985
976.	Jamboo (<i>Syzygium cumini</i> L.)-RRI-T	1985
977.	Methika (<i>Trigonella foenum-graecum</i>)-RRI-T	1985
978.	<i>Vernonia cinera</i> -RRI-T	1985
979.	Vijaya (<i>Cannabis sativa</i> L.)-AUT	1985
980.	Shwetasraja-AUT	1985
981.	Yavani (<i>Trachyspermum ammi</i> (L.) Sprague)-AUT	1985
982.	Chincha (<i>Tamarindus indica</i>)-AUT	1985
983.	Agasthya (<i>Sesbania grandiflora</i>)-AUT	1985
984.	Kanchanara (<i>Bauhinea variegata</i>)-AUT	1985
985.	Vatsanabha (<i>Aconitum ferox</i>)-AUT	1985
986.	Nirgundi (<i>Vitex negundo</i> L.)-AUT	1985
987.	Nimba (<i>Azadirachta indica</i>)-AUT	1985
988.	Gambhari (<i>Gamelia arborea</i>)-AUT	1985
989.	Sweta jirka (<i>Cuminum cyminum</i> L.)-AUT	1985
990.	Devadaru (<i>Cedrus deodara</i>)-AUT	1985
991.	Shigru (<i>Moringa pterigosperma</i>)-AUT	1985
992.	Vandhyavari (<i>Vicoa indica</i>)- CSMDRIAM	1986
993.	Sweta Katuja (<i>Wrightia tinctoria</i>)- CSMDRIAM	1986
994.	Nimba (<i>Azadirachta indica</i>)- CSMDRIAM, RRI-T	1986
995.	Shalmali (<i>Bombax malabaricum</i>)-CSMDRIAM	1986
996.	<i>Poochandira pattai</i> - CSMDRIAM	1986
997.	Parijata (<i>Nyctanthes arbor-tristis</i>)- CSMDRIAM	1986
998.	Patala (<i>Stereospermum suaveolens</i> DC.)- RRCB	1986
999.	Yavani (<i>Trachyspermum roxburghianum</i>)- RRCB	1986
1000.	Kakamachi (<i>Solanum nigrum</i>)-RRCB	1986



1001.	Krishna suriva (<i>Cryptolepsis buchanani</i> Roem. & Schult.)- RRCB	1986
1002.	Danti (<i>Baliospermum montanum</i>)- RRCB	1986
1003.	Saireya (<i>Convolvulus pluricaulis</i>)- RRCB	1986
1004.	Bhumyamalaki (<i>Phyllanthus niruri</i>)- RRCB	1986
1005.	Maricha (<i>Piper nigrum</i>)- RRCB	1986
1006.	Khadira (<i>Acacia catechu</i>)- RRCB, RRI-T	1986
1007.	Brihati (<i>Solanum indicum</i>)- RRCB	1986
1008.	Murva (<i>Chenemoprpha fragrens</i>)- RRCB	1986
1009.	Apamarga (<i>Acyranthes aspera</i>)- RRI-T	1986
1010.	Ankola (<i>Alangium salvifolium</i>)- RRI-T	1986
1011.	Rasna (<i>Alpinia calcarata</i> Rosc.)- RRI-T	1986
1012.	Pooga (<i>Areca catechu</i>)- RRI-T	1986
1013.	Palasha (<i>Butea monosperma</i>)- RRI-T	1986
1014.	Arka (<i>Calotropis gigantia</i>)- RRI-T	1986
1015.	Jayapala (<i>Croton tiglium</i>)- RRI-T	1986
1016.	Kapitha (<i>Feronia limonia</i>)- RRI-T	1986
1017.	Nili (<i>Indigofera tinctoria</i>)- RRI-T	1986
1018.	Pushkaramoola (<i>Inula racemosa</i> Hook. f.)- RRI-T	1986
1019.	Lajjalu (<i>Mimosa pudica</i>)- RRI-T	1986
1020.	Atmagupta (<i>Mucuna pruriens</i>)- RRI-T	1986
1021.	Vyanjana sugangha (<i>Murrya koengi</i>)- RRI-T	1986
1022.	Jatamansi (<i>Nardostachys jatamansi</i> DC.)- RRI-T	1986
1023.	Kumuda (<i>Nelumbium spicosum</i>)- RRI-T	1986
1024.	Tulasi (<i>Ocimum sanctum</i> L.)- RRI-T	1986
1025.	Kankola (<i>Piper cubeba</i>)- RRI-T	1986
1026.	Pippali bheda (<i>Piper retrofactum</i>)- RRI-T	1986
1027.	Dandim (<i>Punica granatum</i>)- RRI-T	1986
1028.	Madanaphala (<i>Xerompis spinosa</i>)- RRI-T	1986
1029.	Sarpagandha (<i>Rauwolfia serpentina</i> L. Benth)- RRI-T	1986
1030.	Sala (<i>Shorea robusta</i> Gaertn.f.)- RRI-T	1986
1031.	Amrataka (<i>Spondias mangifera</i>)- RRI-T	1986
1032.	Lodhra (<i>Symplocos spicata</i>)- RRI-T	1986
1033.	Haritaki (<i>Terminalia chebula</i>)- RRI-T	1986
1034.	Cincha (<i>Tamarindus indica</i>)- RRI-T	1986
1035.	Sahadevi (<i>Veronia cinerea</i>)- RRI-T	1986
1036.	Badara (<i>Zizypus jujube</i>)- RRI-T	1986
1037.	Kutaja (<i>Hollarhena antidysenterica</i>)- AUT	1986
1038.	Karavellaka (<i>Momordica charantia</i>)- AUT	1986
1039.	Amlavetasa (<i>Garcinia pedunculata</i>)- AUT	1986
1040.	Vatsanabha (<i>Aconitum chasmanthum</i>)- AUT	1986
1041.	Rakta karavira (<i>Nerium indicum</i>)- AUT	1986
1042.	Kanchanara (<i>Bauhinia variegata</i>)- AUT	1986
1043.	Madayantika (<i>Lawsonia innermis</i>)- AUT	1986
1044.	Nirgundi (<i>Vitex negundo</i> L.)- AUT	1986
1045.	Durva (<i>Cynodon dactylon</i>)- AUT	1986



1046.	Dhataki (<i>Woodfordia fruticosa</i>)- AUT	1986
1047.	Salaparni (<i>Desmodium gangeticum</i>)- AUT, DSRPJ	1986
1048.	Shigru (<i>Moringa pterygosperma</i>)- AUT	1986
1049.	Babbula (<i>Acacia arabica</i>)- AUT	1986
1050.	Kantakari (<i>Solanum xanthocarpum</i>)- AUT	1986
1051.	Jiraka (<i>Cuminum cyminum</i>)- AUT	1986
1052.	Shunthi (<i>Zingiber officinalis</i>)- AUT	1986
1053.	Madhuka (<i>Madhuca indica</i>)- AUT	1986
1054.	Asana (<i>Pterocarpa marsupium</i>)- AUT	1986
1055.	Vridhadaru (<i>Argyria speciosa</i>)- DSRPJ	1986
1056.	Hapusa (<i>Juniperus macropoda</i>)- DSRPJ	1986
1057.	Padmaka (<i>Prunus cerasoides</i>)- DSRPJ	1986
1058.	Sirisha (<i>Albezzia lebbeck</i>)- DSRPJ	1986
1059.	Priyangu (<i>Callicarpa macrophylla</i>)- DSRPJ	1986
1060.	Patha (<i>Cissampelos pareira</i> L.)- DSRPJ	1986
1061.	Agnimantha (<i>Clereodendron phlomides</i>)- DSRPJ	1986
1062.	Punarnava (<i>Boerhaavia diffusa</i> L.)- DSRPJ	1986
1063.	Sataparna (<i>Alstonia scholaris</i>)- DSRPJ	1986
1064.	Dhanyak (<i>Coriandrum sativum</i>)- DSRPJ	1986
1065.	Daruharidra (<i>Berberis aristata</i> DC.)- DSRPJ	1986
1066.	Eranda (<i>Ricinus communis</i>)- DSRPJ	1986
1067.	Gajapipali (<i>Scindapsus officinalis</i>)- DSRPJ	1986
1068.	Atibala (<i>Abutilon indicum</i> L.)- DSRPJ	1986
1069.	Gokshura (<i>Tribulus terrestris</i>)- DSRPJ	1986
1070.	Parpata (<i>Fumaria parviflora</i>)- DSRPJ	1986
1071.	Choraka (<i>Angelica glauca</i>)- DSRPJ	1986
1072.	Kankola (<i>Piper cubeba</i>)-CSMDRIAM	1987
1073.	Pippali (<i>Piper longum</i>)-CSMDRIAM	1987
1074.	Amalaki (<i>Embllica officinlis</i>)-CSMDRIAM, RRI-T	1987
1075.	Haritaki (<i>Terminalia chebula</i>)-CSMDRIAM	1987
1076.	Musali (<i>Curculigo orchiodis</i>)-CSMDRIAM, RRI-T	1987
1077.	Juba (<i>Hibiscus sabdi</i>)-CSMDRIAM	1987
1078.	Amra (<i>Mangifera indica</i>)-CSMDRIAM	1987
1079.	Bhurja (<i>Betula utilis</i>)-CSMDRIAM	1987
1080.	<i>Plectranthus uticifolium</i> - CSMDRIAM	1987
1081.	Agnimantha (<i>Clerodendrum nericifolium</i>)- CSMDRIAM	1987
1082.	<i>Leonites nepetifolia</i> - CSMDRIAM	1987
1083.	<i>Hyptis suaveolens</i> - CSMDRIAM	1987
1084.	Khadira (<i>Areca catechu</i>)- CSMDRIAM, RRI-T	1987
1085.	Vandhyavari (<i>Vicoa indica</i>)- CSMDRIAM	1987
1086.	Sataparna (<i>Alstonia scholaris</i>) -CSMDRIAM	1987
1087.	Chitraka (<i>Plumbago rosea</i>)- CSMDRIAM	1987
1088.	Shankha - DSRPV	1987
1089.	Mukta- DSRPV	1987
1090.	Varatika-DSRPV	1987



1091.	Mriga shringa- DSRPV	1987
1092.	Trayamana (<i>Gentiana kurroa</i>)-RRCB	1987
1093.	Utpala (<i>Nelumbo nucifera</i>)- RRCB	1987
1094.	Draksha (<i>Vitis venifera</i>)- RRCB	1987
1095.	Dadima (<i>Punica granatum L.</i>)- RRCB	1987
1096.	Khadira sara (<i>Acacia catechu</i>)- RRCB	1987
1097.	Bhunimba (<i>Andrographis paniculata</i> Nees.)-RRI-T	1987
1098.	Virataru (<i>Dichrostachys cinera</i>)-RRI-T	1987
1099.	Ketaki (<i>Pandanus tectorius</i>)- RRI-T	1987
1100.	Gambhari (<i>Gemelia arborea</i>)-RRI-T	1987
1101.	Talisa patra (<i>Abies webbiana</i>)-RRI-T	1987
1102.	Vasa (<i>Adhatoda zeylanica</i>)- RRI-T, AUT	1987
1103.	Avartaki (<i>Cassia occidentalis</i>)- RRI-T	1987
1104.	Chaselia curnviflora- RRI-T	1987
1105.	Narikela (<i>Cocus nucifera</i>)- RRI-T	1987
1106.	Patha (<i>Cyclea peltata</i> Diels)- RRI-T	1987
1107.	Dhatura (<i>Dhatura stramonium</i>)-RRI-T	1987
1108.	Kapittha (<i>Feronia limonea</i>)- RRI-T	1987
1109.	Vata (<i>Ficus bengalensis</i>)- RRI-T	1987
1110.	Vata bheda (<i>Ficus gibbosa</i>)-RRI-T	1987
1111.	Asvatha (<i>Ficus religiosa</i>)- RRI-T	1987
1112.	Plaksha (<i>Ficus racemosa</i>)- RRI-T	1987
1113.	Gambhari (<i>Gmelina asatica</i>)- RRI-T	1987
1114.	Parasika (<i>Hyoscyamus niger</i>)- RRI-T	1987
1115.	Nilika (<i>Indigofera tinctoria</i>)- RRI-T	1987
1116.	Syonaka (<i>Oroxylum indicum</i>)-RRI-T	1987
1117.	Manjista (<i>Rubia cordifolia</i>)- RRI-T	1987
1118.	Bala (<i>Sida retusa L.</i>)-RRI-T	1987
1119.	Arjuna (<i>Terminalia arjuna</i>)-RRI-T	1987
1120.	Amrita (<i>Tinospora cordifolia</i>)-RRI-T	1987
1121.	Yavani (<i>Trachyspermum ammi (L.) Sprague</i>)- RRI-T	1987
1122.	Ushira (<i>Vetiveria zizanioides</i>)- RRI-T	1987
1123.	Dhataki (<i>Woodfordia fruticosa</i>)- RRI-T	1987
1124.	Dhatura (<i>Dhatura metal</i>)- DSRPJ, AUT	1987
1125.	Kataka (<i>Strychnos potatorum</i>)- DSRPJ	1987
1126.	Chavya (<i>Piper chaba</i>)- DSRPJ	1987
1127.	Udumbara (<i>Ficus glomerata</i>)- DSRPJ	1987
1128.	Arka (<i>Calotropis procera</i>)- DSRPJ	1987
1129.	Asana (<i>Pterocarpus marsupium</i>)- DSRPJ	1987
1130.	Upakunja (<i>Pongamia pinnata</i>)- DSRPJ	1987
1131.	Punarnava (Sweta) (<i>Boerhaavia verticillata</i>)- DSRPJ	1987
1132.	Karavira (<i>Nerium indicum</i>)- DSRPJ, AUT	1987
1133.	Musakarni (<i>Ipomea reniformis</i>)- DSRPJ	1987
1134.	Kalihari (<i>Gloriosa superba</i>)- AUT	1987
1135.	Hamsapadika (<i>Adiantum lunulatum</i>)-AUT	1987



1136.	Ikshumula (<i>Sacchrum officinarum</i>)- AUT	1987
1137.	Surana (<i>Amorphophallus campanulatus</i> (Roxb.) Bl.)- AUT	1987
1138.	Lavanga (<i>Syzygium aromaticum</i>)-AUT	1987
1139.	Adraka (<i>Zingiber officinalis</i>)-AUT	1987
1140.	Vatsanabha (<i>Aconitum chasmanthum</i>)(Crude or shodhita)- AUT	1987
1141.	Kanchanara tvak (<i>Bauhinia variegata</i>)- AUT	1987
1142.	Laja (Paddy pop)- AUT	1987
1143.	Yavakshara- AUT	1987
1144.	Svarjika kshara- AUT	1987
1145.	Guggulu (<i>Commiphora mukul</i> (Crude or shodhita)- AUT	1987
1146.	Katuja (<i>Wrightia tintoria</i>)-RRCB, CSMDRIAM	1988
1147.	Murva (<i>Marsedenia tenacissima</i>)- RRCB	1988
1148.	Adraka (<i>Zingiber officinalis</i>)-RRCB	1988
1149.	Haridra (<i>Curcuma longa</i>)- RRCB	1988
1150.	Kadali (<i>Musa paradisiaca</i>)- DSRPJ	1988
1151.	Pashanbeda (<i>Bergenia lingulata</i>) - DSRPJ	1988
1152.	Takmalki (<i>Phyllanthus urinaria</i>)- DSRPJ, RRI-T	1988
1153.	Bhringraja (<i>Eclipta alba</i>)- DSRPJ	1988
1154.	Bakuchi (<i>Psoralea corylifolia</i>)- DSRPJ, AUT	1988
1155.	Jambu (<i>Eugenia jambolana</i>)- DSRPJ	1988
1156.	Asthishrinkhala (<i>Cissus quadrangularis</i>)- DSRPJ	1988
1157.	Madhuka (<i>Madhuka latifolia</i>)- DSRPJ	1988
1158.	Apamarga (<i>Achyranthes aspera</i>)- DSRPJ	1988
1159.	Amlavetasa (<i>Rheum emodi</i>)- DSRPJ	1988
1160.	Aparajita (<i>Clitoria ternatea</i>)- DSRPJ	1988
1161.	Atmagupta (<i>Mucuna prurita</i>)- DSRPJ	1988
1162.	Katuki (<i>Picrorhiza kurroa</i>)- DSRPJ	1988
1163.	Dandima (<i>Punica granatum</i>)- DSRPJ	1988
1164.	Kakamachi (<i>Solanum nigrum</i>)- DSRPJ	1988
1165.	Patala (<i>Stereospermum suaveolens</i> DC.- DSRPJ	1988
1166.	Arjuna (<i>Terminalia arjuna</i>)- DSRPJ	1988
1167.	Ajamoda (<i>Apium graveolens</i>)- DSRPJ	1988
1168.	<i>Trachyspermum ammi</i> - DSRPJ	1988
1169.	Chavya (<i>Piper chava</i>)- CSMDRIAM	1988
1170.	Kankola (<i>Piper cubeba</i>)- CSMDRIAM	1988
1171.	Chitrakamula (<i>Plumbago rosea</i>)- CSMDRIAM	1988
1172.	Bibhitaka phala (<i>Terminalia belerica</i> Roxb.)- CSMDRIAM	1988
1173.	Bharangi bheda (<i>Premna herbecia</i>)- CSMDRIAM	1988
1174.	Raktachandana (<i>Pterocarpus santalinus</i>)- CSMDRIAM	1988
1175.	Patalabheda (<i>Stereospermum tetragonum</i>)- CSMDRIAM	1988
1176.	Kakatakasringi bheda (<i>Rhus succendanea</i>)- CSMDRIAM	1988
1177.	Kutuja (<i>Holarrhena antidysenterica</i>)- CSMDRIAM	1988
1178.	Venkugaliium- CSMDRIAM	1988
1179.	Nimbi puspa (Flower of <i>Melia azadirachta</i>)- CSMDRIAM	1988
1180.	Nimba Bija (Seeds of <i>Melia azadirachta</i>)- CSMDRIAM	1988



1181.	Mara manjal (<i>Cosciniium fenestratum</i>)- CSMDRIAM	1988
1182.	Nagakesara (<i>Mesua ferrea</i>)- CSMDRIAM	1988
1183.	Padmakabheda (<i>Prunus cerasoides</i>)- CSMDRIAM	1988
1184.	Pada kilangu- CSMDRIAM	1988
1185.	Vandhyavari (<i>Vicoa indica</i>)- CSMDRIAM	1988
1186.	Nilaphanai kilangu (<i>Curculigo orchii</i>)- CSMDRIAM	1988
1187.	Bilwa(<i>Aegle marmelos</i>)- CSMDRIAM	1988
1188.	Palasha pushpa (<i>Flowers of Butea monosperma</i>)- CSMDRIAM	1988
1189.	Shaliparni (<i>Desmodium gangeticum</i>)- CSMDRIAM	1988
1190.	Yavatikta (<i>Andrographis paniculata</i>)- CSMDRIAM	1988
1191.	Sahachara (<i>Barleria prionitis</i> L.)- CSMDRIAM	1988
1192.	Gunja (<i>Abrus precatorius</i>)- CSMDRIAM	1988
1193.	Vrischakali (<i>Tragia involucrate</i>)- CSMDRIAM	1988
1194.	Kanchanar (<i>Bauhinia variegata</i>)- CSMDRIAM	1988
1195.	Kumkuma (<i>Crocus sativus</i>)- CSMDRIAM	1988
1196.	Aragvadha (<i>Cassia fistula</i>)- CSMDRIAM	1988
1197.	Chakramarda (<i>Cassia tora</i>)- CSMDRIAM	1988
1198.	Musta (<i>Cyperus rotundus</i> L.)-AUT, RRI-T	1988
1199.	Sala sara (<i>Shorea robusta</i> Gaertn.f.)- AUT, RRI-T, DSRPV	1988
1200.	Bhallathaka(<i>Semicarpa anacardium</i>)- AUT, RRI-T, DSRPV	1988
1201.	Vasa (<i>Adhatoda zeylanica</i>)- AUT, RRI-T, DSRPV	1988
1202.	Nimbi (<i>Melia azadirachta</i>)- AUT, RRI-T, DSRPV	1988
1203.	Shodhita guggulu (<i>Commiphora mukul</i>)- AUT, RRI-T, DSRPV	1988
1204.	Vata (<i>Ficus bengalensis</i>)- RRI-T	1988
1205.	Kiratatika (<i>Swartia charata</i>)-RRI-T,	1988
1206.	Nimbapatra (<i>Melia azadirachta</i>)- RRI-T	1988
1207.	Vijaya (<i>Cannabis sativa</i> L.)- RRI-T	1988
1208.	Mussaenda frondosa- RRI-T	1988
1209.	Lodosia maldivica- RRI-T	1988
1210.	Musali (<i>Curculigo orchiodis</i>)-CSMDRIAM, RRI-T	1988
1211.	Dichrostachys cinera- RRI-T	1988
1212.	Avartaki (<i>Cassia occidentalis</i>)- RRI-T	1988
1213.	Ashwatha (<i>Ficus religiosa</i>)- RRI-T	1988
1214.	Brahmi (<i>Baccopa monnieri</i>)- RRI-T	1988
1215.	Dronapushapi (<i>Leucas aspera</i>)- RRI-T	1988
1216.	Chincha (<i>Tamarindus indica</i>)- RRI-T	1988
1217.	Trivrit bheda (<i>Ipomea paniculata</i>)- RRI-T	1988
1218.	Dhatura (<i>Datura metel</i>)-RRI-T	1988
1219.	Gambhari (<i>Gmelina arborea</i>)- RRI-T	1988
1220.	Gokshura (<i>Tribulus terrestris</i>) - RRI-T	1988
1221.	Patha (<i>Cyclea peltata</i> Diels)- RRI-T	1988
1222.	Ketaki (<i>Pandanus tectorius</i>)- RRI-T	1988
1223.	Pippali (<i>Piper longum</i>)- RRI-T	1988
1224.	Arka (<i>Calotropis giganea</i>)- RRI-T	1988
1225.	Syonaka (<i>Oroxylum indicum</i>)- RRI-T	1988



1226.	Manjistha (<i>Rubia cordifolia</i>)- RRI-T	1988
1227.	Twak (<i>Cinnamomum zylanicum</i>)- RRI-T	1988
1228.	Kaka jangha (<i>Peristrophe bicalyculata</i>)-DRSPJ	1989
1229.	Tila taila (<i>Sesamum indicum</i>)-DRSPJ	1989
1230.	Kakamachi (<i>Solanum nigrum</i>)-RRI-T	1989
1231.	Krishna suriva (<i>Cryptolepsis buchanani</i> Roem. & Schult.)-DRSPJ, CSMDRIAM	1989
1232.	Sigru (<i>Moringa oleifera</i>)-DRSPJ	1989
1233.	Prasarini (<i>Paederia foetida</i>)-DRSPJ	1989
1234.	Vasa (<i>Adhatoda vasica</i>)- DRSPJ, RRI-T	1989
1235.	Madan phala (<i>Randia dometorum</i>)- DRSPJ	1989
1236.	Maya phala (<i>Quercus infectoria</i>)- DRSPJ	1989
1237.	Musali (<i>Asparagus adscandens</i>)- DRSPJ	1989
1238.	Tejovati (<i>Zanthoxylum indicum</i>)- DRSPJ	1989
1239.	Drona pushpin (<i>Leucas cephalus</i>)- DRSPJ	1989
1240.	Nicula (<i>Barringtonia acutangula</i>)- DRSPJ, AUT	1989
1241.	Rohisha (<i>Cymbopogon martini</i> (Roxb.) Wats.- DRSPJ	1989
1242.	Lajjalu (<i>Mimosa pudica</i>)- DRSPJ	1989
1243.	Shaileyaka (<i>Parmelia perlata</i>)- DRSPJ	1989
1244.	Sati (<i>Hedychium spicatum</i>)- DRSPJ	1989
1245.	Sringataka (<i>Trapa bispinosa</i>)- DRSPJ	1989
1246.	Kumari (<i>Aloe vera</i>)- DRSPJ	1989
1247.	Kantakari (<i>Solanum xanthocarpum</i>)- DRSPJ, RRI-T	1989
1248.	Amalaki (<i>Embllica officinalis</i>)- DRSPJ	1989
1249.	Shankha pushpi (<i>Clitoria ternatia</i>)- CSMDRIAM	1989
1250.	Coleus ambonicus - CSMDRIAM	1989
1251.	Shyonaka (<i>Oroxylum indicum</i>)- CSMDRIAM	1989
1252.	Kakamachi bheda (<i>Solanum trilobatum</i>)- CSMDRIAM	1989
1253.	Vandhyavari (<i>Vicoa indica</i>)- CSMDRIAM	1989
1254.	Parijata (<i>Nyctanthes arbor-tristis</i>)- CSMDRIAM	1989
1255.	Priyangu (<i>Cinnamomum wightii</i>)- CSMDRIAM	1989
1256.	Priyangu (<i>Ochrocorpus longifolia</i>)- CSMDRIAM	1989
1257.	Karpooora harida (<i>Cucuma amada</i>)- RRCB	1989
1258.	Sweta Katuja (<i>Wrightia tinctoria</i>)- RRCB	1989
1259.	Kanchanara (<i>Bauhinia purpurea</i>)- RRCB	1989
1260.	Shunthi (<i>Zingiber officinalis</i>)- RRCB	1989
1261.	Bhallataka (<i>Semicarpas anacadium</i>)- A&UT	1989
1262.	Dhatuara (<i>Dhatuara alba</i>)- A&UT	1989
1263.	Nagabala (<i>Sida veronicae folia</i>)- A&UT	1989
1264.	Nimba tvak (<i>Melia azadirachta</i>)- A&UT	1989
1265.	Pita sarshap (<i>Brassica compastris</i>)- A&UT	1989
1266.	Tausa patra (<i>Abies webbiana</i>)- A&UT	1989
1267.	Tambula swarasa (<i>Piper betel</i>)- A&UT	1989
1268.	Vridhadaroka (<i>Ipomoea petaloidea</i>)- A&UT	1989
1269.	Sarshpa taila (<i>Mustard oil</i>)- A&UT	1989
1270.	Gambhari (<i>Gmelia arborea</i>)- RRI-T	1989



1271.	Shalaparni (<i>Desmodium gangeticum</i>)- RRI-T	1989
1272.	Bilva (<i>Aegle marmelos</i> L.)- RRI-T	1989
1273.	Chandana (<i>Santalum album</i>)- RRI-T	1989
1274.	Ashwatha (<i>Ficus religiosa</i>)- RRI-T	1989
1275.	Amrita (<i>Tinospora cordifolia</i>)- RRI-T	1989
1276.	Musta (<i>Cyperus rotandus</i>)- RRI-T	1989
1277.	Patha (<i>Cyclea peltata</i>)- RRI-T	1989
1278.	Gokshura (<i>Tribulus terrestris</i>)- RRI-T	1989
1279.	Mangistha (<i>Rubia cordifolia</i>)- RRI-T	1989
1280.	Vacha (<i>Acorus calamus</i>)- RRI-T	1989
1281.	Lavanga (<i>Syzygium aromaticum</i>)- RRI-T	1989
1282.	Tulasi (<i>Ocimum sanctum</i> L.)- RRI-T	1989
1283.	Bhumyamalaki (<i>Phyllanthus neruri</i>)- RRI-T	1989
1284.	Kakamachi (<i>Solanum nigrum</i>)-DSRUJ	1990
1285.	Kulatha (<i>Dolichos biflorus</i>)-DSRUJ	1990
1286.	Sahachara (<i>Barleria prionitis</i> L.)- DSRUJ	1990
1287.	Agnimantha (<i>Clerodendrum serratum</i>)- A&UT	1990
1288.	Varuna (<i>Crataeva nurvala</i>)- A&UT	1990
1289.	Vanya jiraka (<i>Centrantherum anthelminticum</i>)- A&UT	1990
1290.	Shaileyaka (<i>Parmelia perlata</i>)- A&UT	1990
1291.	Sringataka (<i>Trapa bispinosa</i>)- A&UT	1990
1292.	Punarnava (<i>Boerhaavia diffusa</i>)- A&UT	1990
1293.	Dhatura (<i>Dhatura alba</i>)- A&UT	1990
1294.	Karkata shringi (<i>Pistacia integerrima</i>)- A&UT	1990
1295.	Talisa patra (<i>Taxus baccata</i>)- A&UT	1990
1296.	Karpoora (<i>Cinnamomum caphora</i>)- A&UT	1990
1297.	Kirata tikta (<i>Swartia chirata</i>)- RRCB	1990
1298.	Nagabala (<i>Sida spinosa</i>)- RRCB	1990
1299.	Mandookaparni (<i>Centella asiatica</i>)- RRCB	1990
1300.	Arjuna (<i>Terminalia arjuna</i>)- DSRPV	1990
1301.	Vijaya Sara (<i>Pterocarpus marsupium</i>)- DSRPV	1990
1302.	Malsyakshi (<i>Alternanthera sesiles</i>)- DSRPV	1990
1303.	Ashoka (<i>Saraca ashoka</i>)- RRI-T	1990
1304.	<i>Spondia mangifera</i> - RRI-T	1990
1305.	Nimba (<i>Melia azadirachta</i>)- RRI-T	1990
1306.	Chitraka (<i>Plumbago zeylanica</i>)- RRI-T	1990
1307.	Tulasi (<i>Ocimum sanctum</i> L.)- RRI-T	1990
1308.	Gambhari (<i>Gmelia arborea</i>)- RRI-T	1990
1309.	Avartaki (<i>Cassia occidentalis</i>)- RRI-T	1990
1310.	Lajjalu (<i>Mimosa pudica</i>)- RRI-T	1990
1311.	<i>Mussaenda frondosa</i> - RRI-T	1990
1312.	Krishna sariva (<i>Cryptolepsis buchanani</i> Roem. & Schult.)- CSMDRIAM	1990
1313.	Trivrit (<i>Operculina turpethum</i>)- CSMDRIAM	1990
1314.	Shyonaka (<i>Oroxylum indicum</i>)- CSMDRIAM	1990
1315.	Vandhyavari (<i>Vicoa indica</i>)- CSMDRIAM	1990



1316.	Vaca (<i>Acorus clamus</i>)-RRI-T	1991
1317.	Danti (<i>Cardiospermum halicacabum</i>)- RRI-T	1991
1318.	Devadaru (<i>Cedrus deodara</i>)- RRI-T	1991
1319.	Patha (<i>Cissampelos pareira</i> L.)- RRI-T	1991
1320.	Dhanyak (<i>Coriandrum sativum</i>)- RRI-T	1991
1321.	<i>Coscinium penastratum</i> - RRI-T	1991
1322.	<i>Gynadropsis fenestratum</i> - RRI-T	1991
1323.	<i>Illicium griffitii</i> - RRI-T	1991
1324.	Karavira (<i>Nerium Indicum</i>)- RRI-T	1991
1325.	Krishna jiraka (<i>Nigella indicum</i>)- RRI-T	1991
1326.	Trivrit (<i>Operculina turpethum</i>)- RRI-T	1991
1327.	Madanaphala (<i>Randia dumetorum</i>)- RRI-T	1991
1328.	Saptarangi (<i>Salacia prenoides</i>)- RRI-T	1991
1329.	Salmali (<i>Salmalia malabarica</i>)- RRI-T	1991
1330.	Candana (<i>Santalum album</i>)- RRI-T	1991
1331.	Kakamachi (<i>Solanum nigrum</i>)- RRI-T	1991
1332.	Patala (<i>Stereospermum suaveolens</i> DC.)- RRI-T	1991
1333.	Ajmoda (<i>Trachyspermum ammi</i>)-RRI-T	1991
1334.	Nirgundi (<i>Vitex agnus</i>)- RRI-T	1991
1335.	Sunthi (<i>Zingiber officinale</i> Rosc.)- RRI-T	1991
1336.	Tagara (<i>Valeriana wallichii</i>)- RRI-T	1991
1337.	Sunthi (<i>Zingiber officinale</i> Rosc.)- RRCB	1991
1338.	Kiratatikta (<i>Swertia chirata</i>)- RRCB	1991
1339.	Bala (<i>Sida spinosa</i> L.)- RRCB, CSMDRIAM	1991
1340.	Brahmi (<i>Baccopa monnieri</i>)- RRI-T	1991
1341.	Aragvadha (<i>Cassia fistula</i>)- CSMDRIAM	1991
1342.	Durva (<i>Cynodon dactylon</i>)- CSMDRIAM	1991
1343.	Vandhyavari (<i>Vicoa indica</i>)- CSMDRIAM	1991
1344.	Parijata(<i>Nyctanthes arbor-tristis</i>)- CSMDRIAM	1991
1345.	Brihati (<i>Solanum trilobatum</i>)- CSMDRIAM	1991
1346.	Syonaka (<i>Oroxylum indicum</i>)- CSMDRIAM	1991
1347.	Punarnava (<i>Boerhaavia diffusa</i>)- DSRUJ, DSRPV	1991
1348.	Kakamaci (<i>Solanum nigrum</i>)- DSRUJ	1991
1349.	Snakhapuspi (<i>Convolvulus microphyllus</i>)- DSRUJ	1991
1350.	Sahadevi (<i>Veronia cineerea</i>)- DSRUJ	1991
1351.	Sringataka (<i>Trapa bispinnosa</i>)- DSRUJ	1991
1352.	Bakula (<i>Mimusops elengi</i>)- DSRUJ	1991
1353.	Nili (<i>Indigofera tinctoria</i>)- DSRUJ	1991
1354.	Sahacara (<i>Beleria prionitis</i> L.)- DSRUJ	1991
1355.	Kulatha (<i>Dolichos biflorus</i>)- DSRUJ	1991
1356.	Agnimantha (<i>Clerodendrum phlomides</i>)- DSRUJ	1991
1357.	Khadira sara (<i>Acacia catechu</i>)- RRCB	1991
1358.	Ashodhita guggulu (<i>Commiphora mukul</i>)-CSMDRIA	1992
1359.	Shodhita Guggulu (<i>Commiphora mukul</i>)-CSMDRIA	1992
1360.	Karpoora Shilajit (<i>Gypsum</i>)-CSMDRIA	1992



1361.	Avartaki (<i>Cassia occidentalis</i>)-CSMDRIA	1992
1362.	Durva (<i>Cynodon dactylon</i>)-CSMDRIA	1992
1363.	Musali (<i>Curadigo orchiodes</i>)-CSMDRIA	1992
1364.	Soma (<i>Cerapogia juncea</i>)-CSMDRIA	1992
1365.	Aragvadha (<i>Cassia fistula</i>)-CSMDRIA	1992
1366.	Parijata (<i>Nyctanthes arbor-tristis</i>)-CSMDRIA	1992
1367.	Brihati (<i>Slanum trilobatum</i>)-CSMDRIA	1992
1368.	Vandhyavani (<i>Vicoa indica</i>)-CSMDRIA	1992
1369.	Vijaya Sara (<i>Pterocarpus marsupium</i>)-DSRP-V	1992
1370.	Bilva (<i>Aegle marmelos</i> L.)-DSRP-V	1992
1371.	Syonaka (<i>Oroxylum indicum</i>)-DSRP-V, RRI-T	1992
1372.	Gambhari (<i>Gmelina arborea</i>)-DSRP-V	1992
1373.	Agnimantha (<i>Premna integrifolia</i>)-DSRP-V	1992
1374.	Shukti-DSRP-V	1992
1375.	Shankha-DSRP-V	1992
1376.	Mukta shukti-DSRP-V	1992
1377.	Varatika-DSRP-V	1992
1378.	Kanta Loha-DSRP-V	1992
1379.	Kalamisi (<i>Ipomia aguatica</i>)-DSRP-V	1992
1380.	Bharingaraja (<i>Eclipta alba</i>)-DSRP-V	1992
1381.	Shweta kutaja (<i>Wrightia tinctoria</i>)-RRCB	1992
1382.	Sonamukhi (<i>Cassia angustifolia</i>)-RRCB	1992
1383.	Ativisha (<i>Aconitum heterophyllum</i> Wall.)-RRI-T	1992
1384.	Kirata Tikta (<i>Andrographis paniculata</i>)-RRI-T	1992
1385.	Kirata Tikta (<i>Cardiospermum helicacabum</i>)-RRI-T	1992
1386.	Kirata Tikta (<i>Ceratopteris thalictrodis</i>)-RRI-T	1992
1387.	Twak (<i>Cinnamanum zeylanicum</i>)-RRI-T	1992
1388.	Krishna Sariva (<i>Cryptolepis buchanani</i> Roem. & Schult.)-RRI-T	1992
1389.	Ela (<i>Elattaria cardamomum</i>)-RRI-T	1992
1390.	Amalaki (<i>Embllica officinalis</i>)-RRI-T	1992
1391.	Udumbara (<i>Ficus officinalis</i>)-RRI-T	1992
1392.	Nimba (<i>Melia azadirachta</i>)-RRI-T	1992
1393.	Lajjalu (<i>Mimosa pudica</i>)-RRI-T	1992
1394.	Kamala (<i>Nelumbo nucifera</i>)-RRI-T	1992
1395.	Changeri (<i>Oxalis corniculata</i>)-RRI-T	1992
1396.	Madana Phala (<i>Randia dumetorum</i>)-RRI-T	1992
1397.	Manjistha (<i>Rubia cordifolia</i>)-RRI-T	1992
1398.	Tila (<i>Sesamum indicum</i>)-RRI-T	1992
1399.	Lodhra (<i>Symplocos racemosa</i>)-RRI-T	1992
1400.	Arjuna (<i>Terminalisa arjuna</i>)-RRI-T	1992
1401.	Amrita (<i>Tinospora cordifolia</i>)-RRI-T	1992
1402.	Gokshhura (<i>Tribulus terrestris</i>)-RRI-T	1992
1403.	Shunthi (<i>Zingiber officinale</i>)-RRI-T	1992
1404.	Madhu (Honey)-IIDRA	1992
1405.	Sarshpa taila-IIDRA	1992



1406.	Ghrita-IIDRA	1992
1407.	Varshabhu (<i>Trientema portulacastrum</i>)-DSRPJ	1992
1408.	Madayanti (<i>Lawsonia alba</i>)-DSRPJ	1992
1409.	Priyala (<i>Buchanania lanzana</i>)-DSRPJ	1992
1410.	Kozzuppu (<i>Portulaca oleracea</i>)-DSRPJ	1992
1411.	Nili (<i>Indigofera tinctoria</i>)-DSRPJ	1992
1412.	Raw guggulu (<i>Commiphora mukul</i>) – CSMDRIA, DSRPJ	1993
1413.	Aragvadha (<i>Casia fistula</i>) – CSMDRIAM	1993
1414.	Maricha (<i>Piper nigrum</i>) – CSMDRIAM, RRCB	1993
1415.	Chakramarda (<i>Cassia tora</i>) – CSMDRIAM	1993
1416.	Svarna Patri (<i>Cassia angustifolia</i>)– CSMDRIAM	1993
1417.	Vandhyavari (<i>Vicoa indica</i>) – CSMDRIAM	1993
1418.	Parijata (<i>Nyctanthes arbor-tristis</i>)- CSMDRIAM	1993
1419.	<i>Leonotis nepataefolia</i> - CSMDRIAM	1993
1420.	<i>Plumeria indica</i> - CSMDRIAM	1993
1421.	<i>Maleethra madraspatana</i> - CSMDRIAM	1993
1422.	<i>Zippia nodiflora</i> - CSMDRIAM	1993
1423.	<i>Walsura piscindia</i> - CSMDRIAM	1993
1424.	<i>Maleethra madraspatana</i> - CSMDRIAM	1993
1425.	Brihati (Bheda) (<i>Solanum trilobatem</i>) – CSMDRIAM	1993
1426.	Agnimantha (Bhudo) (<i>Premna tomentosa</i>) – CSMDRIAM, RRI-T,	1993
1427.	<i>Azima teracantha</i> - CSMDRIAM,	1993
1428.	<i>Schefflera wallichiana</i> – CSMDRIAM	1993
1429.	<i>Justicia adhatoda</i> – CSMDRIAM	1993
1430.	Vasa (Bheda), (<i>Adhatoda bedemei</i>) – CSMDRIAM,	1993
1431.	Kustha (<i>Saussurea lappa</i>)- DSRPV	1993
1432.	Manjustha (<i>Rubia cordifolia</i> L.) – DSRPV	1993
1433.	Pippali (<i>Piper longum</i>)- DSRPV	1993
1434.	Kampillaka (<i>Mallotus philippinensis</i>) – DSRPJ,	1993
1435.	Nimba (<i>Melia azadirachta</i>) – RRI-T	1993
1436.	Vasa (<i>Adhatoda vasica</i>) – RRI-T	1993
1437.	Krishna Sariva (<i>Cryptolepis buchanani</i> Roem. & Schult.) – RRI-T	1993
1438.	Shaliparni (<i>Deshmodium gangeticum</i>) – RRI-T	1993
1439.	<i>Ficus globosa</i> – RRI-T	1993
1440.	Vata (<i>Ficus bengalensis</i>) – RRI-T,	1993
1441.	Ashwatha (<i>Ficus religiosa</i>) – RRI-T	1993
1442.	Kumari (<i>Aloe barbedensis</i> Mill.) – RRCB	1993
1443.	Gambhari (<i>Gmelina arborea</i>) - RRI-T	1993
1444.	<i>Pseudarthria viscid</i> - RRI-T	1993
1445.	Shathi (<i>Hedychium spicatum</i>) – RRI-T,	1993
1446.	Chandana (<i>Santalum album</i>) – RRI-T	1993
1447.	Tila (<i>Sesamum indicum</i>) – RRI-T	1993
1448.	<i>Solanum suratense</i> – RRI-T	1993
1449.	Brihati (<i>Solanum indicum</i>) – RRI-T,	1993
1450.	Danti (<i>Stereospermum suavaelens</i>) – RRI-T	1993



1451.	Lodhra (Bheda) (<i>Symplocos spicaota</i>) – RRI-T	1993
1452.	Gokshura (<i>Tribulus terrestris</i>) – RRI-T	1993
1453.	Pashana bheda (<i>Aerva lanata</i>) – RRCB	1993
1454.	Pippali (<i>Piper longum</i>) – RRCB	1993
1455.	Dadima (<i>Punica granatum</i> L.) – RRCB	1993
1456.	Raw guggulu (<i>Cammiphora mukul</i>) – DSRP-J	1994
1457.	Agaru (<i>Aquilari agallocha</i> Roxb.) – RRI-T	1994
1458.	Arjun (<i>Terminalia arjuna</i>) – RRI-T	1994
1459.	Udumbar (<i>Ficus glomerata</i>) – RRI-T	1994
1460.	Pippali (<i>Piper longum</i>) – RRI-T, IIADRT	1994
1461.	Bilva (<i>Aegle marmelos</i> L.) – RRI	1994
1462.	Haritaki (<i>Terminalia chebula</i>) – RRI-T	1994
1463.	Chavika (<i>Piper retrofractum</i>) – RRI-T	1994
1464.	Dhataki (<i>Woodfordia fruticosa</i>) – RRI-T	1994
1465.	Udumbar bhed (<i>Ficus globosa</i>) – RRI-T	1994
1466.	Vata (<i>Ficus bengalensis</i>) – RRI-T	1994
1467.	Kushtha (<i>Saussurea lappa</i>) – RRI-T	1994
1468.	Dhanyak (<i>Coriandrum sativum</i>) – RRI-T	1994
1469.	Jau (<i>Yava-Hordeum vulgare</i> L.) – RRI-T	1994
1470.	Tamalpatra (<i>Cinnamomum zeylanica</i>) – RRI-T	1994
1471.	Gokshur (<i>Tribulus terrestris</i>) – RRC-B, RRI-T	1994
1472.	Usher (<i>Vetriveria zizanioides</i>) – RRI-T	1994
1473.	Sunthi (<i>Zingiber officinale</i> Rosc.) – IIAOR	1994
1474.	Guduchi (<i>Tinospora cordifolia</i>) – IIADR	1994
1475.	Ashwagandha (<i>Withania somnifera</i> Dunal) – RRC-B	1994
1476.	Daruharidra (<i>Berberis aristata</i> DC.) – RRC-B	1994
1477.	Mash parni (<i>Termanu labialis</i>) - DSRP-V	1995
1478.	Mudga parni (<i>Phaseolus trilobatus</i>)-DSRP-V	1995
1479.	Lavanga (<i>Syzygium aromaticum</i>)-RRI-T	1995
1480.	Kulanjan-bheda (<i>Alpina calcarata</i>) Rhizome 0 RRI-T	1995
1481.	Goksura (<i>Tribulus terrestris</i>) Fruit-RRI-T	1995
1482.	Ashwagandha (<i>Withania somnifera</i> Dunal) Root– RRI-T	1995
1483.	Kaktikta (<i>Cardiospermum helicacabum</i>) Wh. Pl. - RRI-T	1995
1484.	Prasarini bheda (<i>Merrenia tidentata</i>)-Wh.pl. - RRI-T	1995
1485.	Ushir (<i>Vetiveria zizanoides</i>) Root - RRI-T	1995
1486.	Pippali (<i>Piper longum</i>) Root - RRI-T	1995
1487.	Twak (<i>Cinnamomum zeylanicum</i>) St. bark	1995
1488.	Maricha (<i>Piper nigrum</i>) Fruit-RRI-T	1995
1489.	Pipali (<i>Piper longum</i>) fruit- RRI-T, (<i>Pogostemon leyneanna</i>) leaves -RRI-T	1995
1490.	Kamal Bheba (<i>Nelumbo speciosum</i>) Stem, (<i>Cyclea peltata</i>) Root- RRI-T	1995
1491.	Bilva (<i>Aegle marmelos</i> L.) Root- RRI-T	1995
1492.	Mustaka (<i>Cyperus rotundus</i> L.) Rhizome - IIADR	1995
1493.	Priyangu (<i>Agalaea roxburghiana</i>) Leaves - CSMDRIA	1995
1494.	Shankhapushpi (<i>Convolvulus microphyllus</i>) whole plant - DSRP-J	1995
1495.	Varshabhu (<i>Trianthema portulacastrum</i>) whole plant - DSRP-J	1995



1496.	Madayantika (<i>Lawsonia inermis</i>) Leaf - DSRP-J	1995
1497.	Sahadevi (<i>Veronia cineerea</i>) whole plant- DSRP-J	1995
1498.	Raemferia rotund-Rhizome-RRI-T	1995
1499.	Neem oil (<i>Azadirachta indica</i>) Seed oil - DSRP-J	1995
1500.	Parpat (<i>Fumaria parviflora</i>) Arial parts - RRI-T,	1995
1501.	Kemuk (<i>Costus speciosus</i> (Koenig) Smith)-CSMDRIA-C	1996
1502.	Kancnar (<i>Bauhinia purpurea</i>) Stem bark-DSRP-J	1996
1503.	Bhumyamalaki (<i>Phyllanthus amarus</i>) whole plant - DSRP-J	1996
1504.	Madanaphal (<i>Randia dumetorum</i> Lam.) fruit- RRI-T	1996
1505.	Marica (<i>Piper nigrum</i> L.) fruit- RRI-T	1996
1506.	Vidanga (<i>Embelia ribes</i> Burn.) fruit- RRI-T	1996
1507.	Sunthi (<i>Zingiber officinale</i> Rosc.) Rhizome-RRI-T	1996
1508.	Amalaki (<i>Embelias officinalis</i> Gaertn.) fruit- RRI-T	1996
1509.	Nagkesar (<i>Mesua ferrea</i> L.) flower anther - RRI-T	1996
1510.	Goksura (<i>Tribulus terrestrise</i> L.) root-RRI-T	1996
1511.	Citraka (<i>Phumbago rosea</i> L.) root- RRI-T	1996
1512.	Dhanyak (<i>Coriandrum sativum</i>) fruit – RRI-T	1996
1513.	Jivanti (<i>Holostemma adakodien</i> J.A. Schular) root-RRI-T	1996
1514.	Pippali (<i>Piper longum</i> L.) fruit-RRI-T	1996
1515.	Arjun (<i>Terminalia arjuna</i>) stem bark– RRI-T	1996
1516.	Vibhitak (<i>Terminalia arjuna</i>) Stem bark-RRI-T	1996
1517.	Musta (<i>Cyperus rotundus</i> L.) root tuber-RRI-T	1996
1518.	Gajapippali (<i>Piper retrofractum</i> Voul.) fruit - RRI-T	1996
1519.	Talispatra (<i>Abies webbiana</i> Lind.) leaf-RRI-T	1996
1520.	Chiraita (<i>Swertia chirayata</i>)- DSRP-V	1996
1521.	Saptaparna (<i>Alstonia scholaris</i> R.Br)- DSRP-V	1996
1522.	Kuberaksa (<i>Caesalpinia crysta</i>)-DSRP-V	1996
1523.	Kutaki (<i>Pichrorhiza kurroa</i>)-DSRP-V	1996
1524.	Bakuula (<i>Mimusops elengi</i>) leaf- DSRP-J	1996
1525.	Bimbi (<i>Coccinia indica</i>) leaf	1996
1526.	Nili (<i>Indigofera tinctoria</i>)- leaf DSRU-J	1996
1527.	Bhumyamalaki (<i>Phyllanthus amarus</i>) whole plant - DSRP-J	1996
1528.	Ajmoda (<i>Apium leptopyllum</i> - fruit)-DSRP-J	1996
1529.	Katuki (<i>Picrorhiza kurroa</i>) root-DSRP-J	1996
1530.	Vasa (<i>Adhatoda vasica</i> L. Nees-RRI-T	1997
1531.	Lodhra (<i>Symplocos spicata</i> Roxb.)-RRI-T	1997
1532.	Nilotpalam (<i>Monocharia hastaefolia</i> Presl.)-RRI-T	1997
1533.	Tila (<i>Sesamum indicum</i> L.)-RRI-T	1997
1534.	Daruharidra (<i>Cosciniun fenestratum</i> Gaertn)-RRI-T	1997
1535.	Salparni (<i>Desmodium gangeticum</i> L. DC)-RRI-T	1997
1536.	Agnimanth (<i>Premna integrifolia</i>)-RRI-T	1997
1537.	Salmali (<i>Bombax ceiba</i> L.)-RRI-T	1997
1538.	Udumbara (<i>Ficus racemosa</i> L.)-RRI-T	1997
1539.	Vata (<i>Ficus bengalensis</i>) – RRI-T	1997
1540.	Aguru (<i>Aguilaria agallocha</i> Rxb.)-RRI-T	1997



1541.	Pluksa (<i>Ficus gibbosa</i> Bl.)-RRI-T	1997
1542.	Sati (<i>Kaempferia galanga</i> L.)-RRI-T	1997
1543.	Kustha (<i>Saussurea lappa</i>) -RRI-T	1997
1544.	Manjistha (<i>Rubia cordifolia</i>) -RRI-T, RRC-B	1997
1545.	Candan (<i>Santalum album</i> . L.)-RRI-T, RRC-B	1997
1546.	Haritaki (<i>Terminalia chebula</i> Retz.)-RRI-T	1997
1547.	Ajagandha (<i>Gynandropsis gynandra</i> L. Brig.)-DSRP-J	1997
1548.	Bakula (<i>Mimusops elengi</i>)- DSRP-J	1997
1549.	Bhumyamalaki (<i>Phyllanthus amarus</i>)- DSRP-J, DSRP-V	1997
1550.	Bimbi (<i>Coccinia indica</i>)- DSRP-J, DSRP-V	1997
1551.	Erand karkati (<i>Carica papaya</i> L.) - DSRP-V	1997
1552.	Rohitaka (<i>Tecomella undulata</i> G.Don.)- DSRP-V	1997
1553.	Slesmantak (<i>Cordia dichotom</i> (Stem-bark, dry fruit)-DSRP-V	1997
1554.	Amalavetas (<i>Garcinia pedunculata</i>) -CSMDRIA-C	1997
1555.	Copcini (<i>Piper cubeba</i>)-CSMDRIA-C	1997
1556.	Karpurvalli (<i>Coleus ambonicus</i>)-CSMDRIA-C	1997
1557.	Peelu (<i>Salvadora persica</i>) Hqrs.	1997
1558.	Darbha (<i>Imperata cylindrica</i> Beauv.) - Hqrs.	1997
1559.	Potgal (<i>Typha elephantina</i>) - Hqrs.	1997
1560.	Riddhi/Vriddhi (<i>Habenaria intermedia</i> D. Don.) - Hqrs.	1997
1561.	Rumimastagi (<i>Pistacia lenticus</i> Gum.)-Hqrs.	1997
1562.	Gundra (<i>Typha australis</i>)-JNMG-P	1997
1563.	Matsyakshi (<i>Alternanthera sessilis</i>)-JNMG-P	1997
1564.	Dhanwayasa (<i>Fagonia cretica</i>)-JNMG-P	1997
1565.	Ankola (<i>Alangium salvifolium</i>)-JNMG-P	1997
1566.	Medasak (<i>Litsea chnensis</i>)-JNMG-P	1997
1567.	Bilva (<i>Aegle marmelos</i> L.-Root)-RRI-T	1998
1568.	Paci (<i>Pogostemon heyneanus</i> Benth -Leaves)-RRI-T	1998
1569.	Yava (<i>Hordeum vulgare</i> -Fruit)-RRI-T	1998
1570.	Cavya (<i>Piper retrofractum</i> -Fruit)-RRI-T	1998
1571.	Pippali (<i>Piper longum</i> L.-fruit) – RRI-T	1998
1572.	Ardraka (<i>Zingiber officinale</i> Rosc.) - RRI-T	1998
1573.	Dhyanyak (<i>Corriadrum sativa</i> L.-Fruit)-RRI-T	1998
1574.	Asvagandha (<i>Withania somnifera</i> -Root)-RRI-T	1998
1575.	Usheera (<i>Vetivera zizanoides</i> -Root)-RRI-T	1998
1576.	Bala bheda (<i>Sida retusa</i> L.-Root)-RRI-T	1998
1577.	Dhataki (<i>Woodfordia fruticosa</i> Kurz. (Flower) -RRI-T	1998
1578.	Citraka bheda (<i>Plumbago rosea</i> -Root)-RRI-T	1998
1579.	Candana (<i>Santalum album</i> L.- Heartwood)- RRI-T	1998
1580.	Lavanga (<i>Syzygium aromaticum</i> -Flower Bud)-RRI-T	1998
1581.	Goksura (<i>Tribulus terrestris</i> -Dried Fruit)-RRI-T	1998
1582.	Patha bheda (<i>Cyclea peltata</i> Diels-Root)-RRI-T	1998
1583.	Erand (<i>Ricinus communis</i> L. -Root)-RRI-T	1998
1584.	Nagadanti (<i>Croton oblongifolius</i> Roxb.)-RRI-T	1998
1585.	Arjuna (<i>Terminalia arjuna</i> -Extract)-DSRPJ	1998



1586.	Vanyajiraka (<i>Vernonia anthelmintica</i>)-DSRPJ	1998
1587.	Dandim (<i>Punica granatum</i>)-DSRPJ	1998
1588.	Swarna patri (<i>Cassia angustifolia</i> Vahl.)- DSRPJ	1998
1589.	Vasa (<i>Adhatoda vasica</i>)- DRSPJ	1998
1590.	Jatiphals (<i>Myristica malabrica</i>)-RRI-T	1998
1591.	Ban haridra (<i>Curcuma aromatica</i>)-RRI-T	1998
1592.	Kareura (<i>Curcuma zeodaria</i>)-RRI-T	1998
1593.	Kancanara (<i>Bauhinia racemosa</i>) -DSRPV	1998
1594.	Mahispitta-DSRPV	1998
1595.	Mayur puccha-DSRPV	1998
1596.	Sesmataka (<i>Cordia dichotoma</i>)-DSRPV	1998
1597.	Draksha (<i>Vitis vinifera</i> L.-Dry Fruit)- DSRU	1999
1598.	Dhataki (<i>Woodfordia fruticosa</i> Kurz. (Flower) - DSRU	1999
1599.	Kal ambaka (<i>Coscinium fenestratum</i> (Gaetn.)-Wood)- DSRU	1999
1600.	Takkola (<i>Vitex altissima</i> L.f. (Fruit)-DSRU	1999
1601.	Arjuna (<i>Terminalia arjuna</i> -Bark)-DSRU	1999
1602.	Agaru (<i>Aquilaria agallocha</i> Roxb.-Wood)-DSRU	1999
1603.	Kusumbha (<i>Carthamus tinctorius</i> L.-Seed)- CSMDRIA	1999
1604.	Asvakarna (<i>Dipterocarpus alatus</i> Roxb.)-CSMDRIA	1999
1605.	Canak (<i>Cicer arietinum</i> L.-Whole plant)-CSMDRIA	1999
1606.	Jala pippali (<i>Lippia nodifolia</i> Mich.-Whole Plant)-CSMDRIA	1999
1607.	Sweta Punarnava (<i>Boerhavia verticillata</i> Poir-Root)-DSRP	1999
1608.	Odimaram (<i>Odina woodier</i> Roxb.-Stem Bark)-DSRP	1999
1609.	Puliyaral (<i>Oxalis corniculata</i> L.-Whole plant)-DSRP	1999
1610.	Mulam (<i>Citrullus vulgaris</i> Schrad-Seed)-DSRP	1999
1611.	Elavoo (<i>Bombax pentadrum</i> -Leaves & Flowers)-DSRP	1999
1612.	Uppiloonkondi (<i>Pentropis microphylla</i> W.&A.-Whole plant)-DSRP	1999
1613.	Manalkeeraj (<i>Gisekia pharνοceoides</i> L.-W. plant)-DSRP	1999
1614.	Nilavangi-(<i>Cassia tora</i> L.-Leaves)-DSRP	1999
1615.	Nilvangi-(<i>Cassia auriculata</i> L.-Leaves)-DSRP	1999
1616.	Pontagarai-(<i>Cassia occidentalis</i> L.-Leaves)-DSRP	1999
1617.	Illavoo (<i>Eriodendron enfractuosum</i> D.C.-Stem bark)-RRI, T	1999
1618.	Krishna Beeja bheda (<i>Ipomoea henderacea</i> Jacq.-Seeds)-RRI, T	1999
1619.	Kakanasa (<i>Pentratropis capensis</i> (L.f.)Bullock-Aerial part)-RRI, T	1999
1620.	Kadali (<i>Musa paradisiaca</i> L.-Rhizome)-RRI, T	1999
1621.	Madayanti (<i>Lawsomia inernis</i> L.-Leaves)-RRI, T	1999
1622.	Karinkara (<i>Carissa carandus</i> L.-Stem bark, Fruit) - DSRPV	2000
1623.	Kuamri (<i>Aloe barbadensi</i> Mill.-Leaf blade)-DSRPV	2000
1624.	Karavalli (<i>Momordica charantica</i> L.-Fruit)-DSRPV	2000
1625.	Canak (<i>Cicer arietinum</i> L.-Whole plant)-DSRPV	2000
1626.	Dhava (<i>Anogeissus latifolia</i> Wall. Ex. Bedd.)-RRIB	2000
1627.	Dugdhika (<i>Euphoria thymifolia</i> L.-Leaf & Stem)-RRIB	2000
1628.	Jalakarna (<i>Lippia nodiflora</i> Rich.-W. Plant)-RRI-T, DSRPV	2000
1629.	Kshira vidari (<i>Ipomoea digitata</i> L.-Root)-RRI-T	2000
1630.	Kharjura (<i>Phoenix dactylifera</i> -Fruit)- RRI-T	2000



1631.	Chandrashura (<i>Lepidium sativum</i> L.-seed)-RRI-T, DSRPV	2000
1632.	Chagakarna (<i>Vatervia indica</i> -Stem bark)-RRI-T	2000
1633.	Yastimadhu (<i>Glycyrrhiza glabra</i> L.-Rhizome)-RRI-T	2000
1634.	Tuvaraka (<i>Hydnocarpus wightiana</i> Blume-CSMDRIAC)	2000
1635.	Takkolam (<i>Illicim verum</i> Hook f.-Fruit)-CSMDRIAC)	2000
1636.	Trapusa (<i>Cucumis sativus</i> L.- Fruit)-CSMDRIAC)	2000
1637.	Asmantaka (<i>Ficus rumphii</i> Blume-Stem Bark)-CSMDRIAC)	2000
1638.	Odugu (<i>Cleislanthus collinus</i> (Roxb.) Benth. & Hook f.-Leaf)-CSMDRIAC	2000
1639.	Tazhai (<i>Pandnus fascicularis</i> Lam.-Leaf)-RRIB	2000
1640.	Kattukkrambu (<i>Jussia suffruticosa</i> L.-Root,Stem, Leaf,Flower)-RRIB	2000
1641.	Kattuvelumichai (<i>Altantia microphylla</i> -Root)-RRIB	2000
1642.	Tudhuvelum (<i>Solanum tribatum</i> L.-Aerial part)-RRI-T	2000
1643.	Manalkeera j (<i>Gisekia pharnoceoides</i> L.-W. plant)-RRI-T	2000
1644.	Varagu (<i>Paspalum scrobiculatum</i> L.-Fruit)-RRI-T	2000
1645.	Manjitti (<i>Rubia cordifolia</i> L.-Stem)-RRI-T	2000
1646.	Gomutra-DSRDV	2000
1647.	Godanta-DSRDV	2000
1648.	Ustradanta-DSRDV	2000
1649.	Ajadanta-DSRDV	2000
1650.	Kukutanda twak-RRI-T	2000
1651.	Vrisha sringa-RRI-T	2000
1652.	Krishna sringa-RRI-T	2000
1653.	Muktasukti-CSMDRIAC, DSRPJ	2000
1654.	Shankha-DSRPJ	2000
1655.	Sankha nabhi-DSRPJ	2000
1656.	Palakarai (raw)-RR(RRIB)	2000
1657.	Canku (raw)-RRIB	2000
1658.	Pusparaga-DSRPJ	2000
1659.	Rajavarata-DSRPJ	2000
1660.	Vimala-DSRPJ	2000
1661.	Vaikranta (Ratha)-DSRPJ	2000
1662.	Vaikranta (Dhatu)-DSRPJ	2000
1663.	Vaidurya-DSRPJ	2000
1664.	Sarotanjana-DSRPJ	2000
1665.	Swarna makshika-RRI-T	2000
1666.	Tamra-RRI-T, CSMDRIAC	2000
1667.	Vanga-RRI-T	2000
1668.	Manhasila-CSMDRIAC	2000
1669.	Lauha (<i>Allium sativum</i> -Bulb)-CSMDRIAC, DSRPJ	2000
1670.	Tankana-DSRPJ	2000
1671.	Tutha-DSRPJ	2000
1672.	Darbha (<i>Imperata cylindrica</i> Beauv.-Root)-RRIB	2001
1673.	Kusha (<i>Desmostachya bipinnata</i> Stapf.-Root)-RRIB	2001
1674.	Taila (<i>Borassus flabellifer</i> L.-Fruit)-RRIB	2001
1675.	Dhava (<i>Anogeissus latifolia</i> Wall. Ex. Bedd.-Fruit and Leaf)-RRIB	2001



1676.	Dhanvyasa (<i>Fagonia cretica</i> L.-W. Plant)-RRIB	2001
1677.	Dudhika (<i>Euphorbia thymifolia</i> L.-W. Plant)-CSMDRIAC	2001
1678.	Jeevanti (<i>Leptadenia reticulata</i> W. & A.-W. Plant)-CSMDRIAC	2001
1679.	Mrigasinga (Deer horn)-CSMDRIAC	2001
1680.	Maisha sringa (Buffallow horn)-RRIB	2001
1681.	Hasti danta (Teeth and tusk of elephant)-RRIB	2001
1682.	Shankha (<i>Conch shell</i>)-RRIB	2001
1683.	Shankha Nabhi	2001
1684.	Madhu (Honey)-CRIL	2001
1685.	Kakkutanda Tvaka (Shell of egg)-CRIL	2001
1686.	Akika (2 samples)-CSMDRIAC	2001
1687.	Parada-CSMDRIAC	2001
1688.	Kodrava (<i>Paspalum scrobiculatum</i> L.)- RRI, Trivandrum	2002
1689.	Kusumbha (<i>Carthamus tinctorius</i> L.)- DSRU, Jamnagar	2002
1690.	Ghonta (<i>Zizyphus xylopyrus</i> Willd.) - DSRU, Jamnagar	2002
1691.	Elavaluka (<i>Prunus avium</i>)- DSRU, Jamnagar	2002
1692.	Karinkara (<i>Prunes arium</i> L.) - DSRU, Jamnagar	2002
1693.	Carissa carandus L.- CRI, Lucknow	2002
1694.	Riddhi (<i>Habenaria intermedia</i> D. Don.) .- CRI, Lucknow	2002
1695.	Rsabhak (<i>Microstylis wallichii</i> Lindl.) .- CRI, Lucknow	2002
1696.	Tinisha (<i>Ougenia dalbegioides</i> Benth.)- RRI, Bangalore	2002
1697.	Trapusha (<i>Cucumis sativus</i> L.)- RRI, Bangalore	2002
1698.	Dravanti (<i>Jatropha glandulifera</i> Roxb.) - RRI, Bangalore	2002
1699.	Takkola (<i>Illicium verum</i> Hook F.)- RRI, Bangalore	2002
1700.	Vid Lavan (mineral origin)- CRI, Lucknow	2002
1701.	Samudra Lavan (mineral origin)- CRI, Lucknow	2002
1702.	Aubhid Lavan (mineral origin)- CRI, Lucknow	2002
1703.	Saindhava Lavana (mineral origin)- CRI, Lucknow	2002
1704.	Sauvarchala Lavana (mineral origin)- CRI, Lucknow	2002
1705.	Naga (mineral origin)- RRI, Bangalore	2002
1706.	Vimala (mineral origin)- RRI, Bangalore	2002
1707.	Yashada (mineral origin)- RRI, Bangalore	2002
1708.	Godanti (mineral origin)- RRI, Bangalore	2002
1709.	Mandura (mineral origin)- RRI, Bangalore	2002
1710.	Sukti (Animal origin)- RRI, Bangalore	2002
1711.	Sala (<i>Shorea robusta</i> Gaertn. f.)- CSMDRIA, Chennai	2002
1712.	Kantakari (<i>Solanum surattense</i> Burm. f.)- CSMDRIA, Chennai	2002
1713.	Sirish (<i>Albezia lebbeck</i> Benth.)- CSMDRIA, Chennai	2002
1714.	Bhuamlaki (<i>Phyllanthus amarus</i>)- CSMDRIA, Chennai	2002
1715.	Citrak (<i>Plumbago rosea</i> L.)- RRI-T	2003
1716.	Meshshringi (<i>Gymnema sylvestre</i> R. Br.) - RRI-T	2003
1717.	Parijata (<i>Erythrina indica</i> Lam.) – RRI-T	2003
1718.	Sana (<i>Crotolaria juncea</i> L.) – RRI-T	2003
1719.	Nirgundi (<i>Vitex negundo</i> L.) – RRI-T	2003
1720.	Shia jeera (<i>Carum carvi</i> L.) – RRI-T	2003



1721.	Bhunimba (<i>Andrographis paniculata</i> Nees.) – RRI-T	2003
1722.	Pacholi (<i>Pogostemon heyneanus</i> Benh.) – RRI-T	2003
1723.	Jhanti (<i>Barleria prionitis</i> L.) – RRI-T	2003
1724.	Agarawadh (<i>Cassia angustifolia</i> Vahl.) – RRI-T	2003
1725.	Dadima (<i>Punica granatum</i> L.) – RRI-T	2003
1726.	Pippali (<i>Piper longum</i> L.) – RRI-T	2003
1727.	Katuki (<i>Picrorrhiza kurroa</i> Royle ex. Benth.) – RRI-T	2003
1728.	Lavang (<i>Syzygium aromaticum</i> (L.) Merr. Perry) – RRI-T	2003
1729.	Saptaparna (<i>Alstonia scholaris</i> R. Br.) – RRI-T	2003
1730.	Asoca (<i>Saraca asoca</i> Roxb.) – RRI-T	2003
1731.	Syonak (<i>Oroxyum indicum</i> Vent.) – RRI-T	2003
1732.	Kulanjan (<i>Kaempferia galanga</i> L.) – RRI-T	2003
1733.	Kasamarda (<i>Carissa carandas</i> L.) – RRI-T	2003
1734.	Dhanyaka (<i>Foeniculum vulgare</i> Mill.) – RRI-T	2003
1735.	Kulatha (<i>Dolichos biflorus</i> L.) – RRI-T	2003
1736.	Atibala (<i>Abutilon indicum</i> L. Sweet) – RRI-T	2003
1737.	Methica (<i>Trigonella foenum-graecum</i> L.) – RRI-T	2003
1738.	Jhongaka (<i>Luffa actuangula</i> Roxb.) – RRI-T	2003
1739.	Ashwagandha (<i>Withania somnifera</i> Dunal)- CSMDRIAC, RRI-T	2003
1740.	Bala (<i>Sida cordifolia</i> L.) – RRI-T	2003
1741.	Kantakari (<i>Solanum surattense</i> Burm. f.) – RRI-T	2003
1742.	Shiris (<i>Albizia lebbek</i> Benth.) – RRI-T	2003
1743.	Sati (<i>Hedychium spicatum</i> Ham. ex Smith) – RRI-T	2003
1744.	Vasa (<i>Adhatoda vasica</i> Nees.) – RRI-T	2003
1745.	Sonamukhi (<i>Cassia angustifolia</i> Vahl) – RRI-T	2003
1746.	Amra bija majja (<i>Mangifera indica</i> L.) – RRI-T	2003
1747.	Jambubeeja (<i>Syzygium cumini</i> (L.) Skeel) – RRI-T	2003
1748.	Karvellaka bija (<i>Momordica charantia</i> L.) – RRI-T	2003
1749.	Guduchi (<i>Tinospora cordifolia</i> (Willd.) Miers) – RRI-T	2003
1750.	Arjun (<i>Terminalia arjuna</i> W.&A.) – RRI-T	2003
1751.	Puskarmula (<i>Inula racemosa</i> Hook f.) – RRI-T	2003
1752.	Haritaki (<i>Terminalia chebula</i> Retz.) – RRI-T &CRID	2003
1753.	Yastimadhu (<i>Glycyrrhiza glabra</i> L.) – RRI-T &CRID	2003
1754.	Amalaki (<i>Embllica officinalis</i> Gaertn.) – RRI-T &CRID	2003
1755.	Hingu (<i>Ferula asafoetida</i> L.)-RRI-T	2004
1756.	Upakunchika (<i>Nigella sativa</i> L.)-RRI-T	2004
1757.	Eranda (<i>Ricinus communis</i> L.)-RRI-T	2004
1758.	Yavani (<i>Trachyspermum ammi</i> (L.) Sprague)-RRI-T	2004
1759.	Arkakanta (<i>Cleome viscosa</i> L.)-RRI-T	2004
1760.	Gojihva (<i>Elephantopus scaber</i> L.)-RRI-T	2004
1761.	Chitraka (<i>Plumbago zeylanica</i> L.)-RRI-T	2004
1762.	Arjuna (<i>Terminalia arjuna</i>)-RRI-T	2004
1763.	Draksha (<i>Vitis vinifera</i> L.)-RRI-T, DSRPJ, CRID	2004
1764.	Dabra-Bheda (<i>Uraria narum</i> Wall.)-RRI-T	2004
1765.	Dhataki (<i>Woodfordia fruticosa</i>)-RRI-T	2004



1766.	Guduchi (<i>Tinospora cordifolia</i>)-RRI-T, CSMDRIAC & CRID	2004
1767.	Haridra (<i>Curcuma longa</i> L.)- CSMDRIAC	2004
1768.	Ashwagandha (<i>Withania somnifera</i> Dunal)- CSMDRIAC, CRID	2004
1769.	Jayanti Bija (<i>Sesbania sesban</i>)- CSMDRIAC	2004
1770.	Yastimadhu (<i>Glycyrrhiza glabra</i> L.)- CSMDRIAC	2004
1771.	Haritaki (<i>Terminalia chebula</i> Retz.)- CSMDRIAC	2004
1772.	Swarna patri (<i>Cassia angustifolia</i> Vahl.)- CSMDRIAC	2004
1773.	Amalaki (<i>Embllica officinalis</i> Gaertn.)- CSMDRIAC	2004
1774.	Asthi shrinkhala (<i>Cissus quadrangularis</i> L.)- CSMDRIAC	2004
1775.	Bhumyamalaki (<i>Phyllanthus amarus</i> L.)- CSMDRIAC	2004
1776.	Katuki (<i>Picrorhiza kurroa</i>)- CSMDRIAC	2004
1777.	Haritmanjari (<i>Acalypha indica</i> L.)- CSMDRIAC, CRID	2004
1778.	Kanchanara (<i>Bauhinia variegata</i> L.)- CSMDRIAC	2004
1779.	Vibhitaka (<i>Terminalia belerica</i> Roxb.)- CSMDRIAC	2004
1780.	Vidanga (<i>Embelia ribes</i>)- CSMDRIAC	2004
1781.	Punarnava (<i>Boerhaavia diffusa</i> L.)- CSMDRIAC	2004
1782.	Vacha (<i>Acorus calamus</i> L.)- CSMDRIAC	2004
1783.	Sunthi (<i>Zingiber officinale</i> Rosc.)- CSMDRIAC, CRID	2004
1784.	Brahmi (<i>Bacopa monnieri</i> L.)- CSMDRIAC	2004
1785.	Mandukaparni (<i>Centella asiatica</i> L.)- CSMDRIAC	2004
1786.	Jyotismati (<i>Celastrus paniculatus</i> Willd.)- CSMDRIAC	2004
1787.	Bala (<i>Sida cordifolia</i> L.)- CSMDRIAC	2004
1788.	Pippali (<i>Piper longum</i> L.)- CSMDRIAC, RRIB	2004
1789.	Kesar (8 samples)(<i>Crocus sativus</i>)- CRIK, CSMDRIAC, DSRPJ	2004
1790.	Jeera (<i>Cuminum cyminum</i>)- RRIB	2004
1791.	Devadaru (<i>Cedrus deodara</i>)- RRIB	2004
1792.	Musta (<i>Cyperus rotundus</i> L.)- RRIB	2004
1793.	Vansalochana (<i>Bambusa bambos</i>)- DARPJ	2004
1794.	Ela (Brahad) (<i>Amomum subulatum</i>)- DARPJ	2004
1795.	Twaka (<i>Cinamomum tamala</i>)- DARPJ	2004
1796.	Madhuka (<i>Madhuca indica</i>)- DARPJ	2004
1797.	Guda (<i>Saccharum officinarum</i>)- DARPJ	2004
1798.	Palash (<i>Butea monosperma</i>)-CRID	2004
1799.	Karela (<i>Momordica charantia</i>)-CRID	2004
1800.	Sambhalu (<i>Vitex negundo</i>)-CRID	2004
1801.	Satavari (<i>Asparagus racemosus</i>)-CRID	2004
1802.	Jatamansi (<i>Nardostachys jatamansi</i> DC.)-CRID	2004
1803.	Saindava Lavana (Rock salt)	2004
1804.	Tankana (Borax)	2004
1805.	Lauha bhasma-CRIL, CSMDRIAC	2004
1806.	Yasad bhasma -CRIL, CSMDRIAC	2004
1807.	Muktasukti bhasma -CRIL, CSMDRIAC	2004
1808.	Abraka bhasma- CRIL	2004
1809.	Tamra bhasma - CRIL	2004
1810.	Vanga bhasma - CRIL	2004



1811.	Brahmi (<i>Bacopa monnieri</i>)-RRI-T	2005
1812.	Saireyaka (<i>Barleria prionitis</i> L.) -RRI-T	2005
1813.	Kancanara (<i>Bauhinia racemosa</i>) -RRI-T	2005
1814.	Krisna-Jiraka (<i>Carvi carum</i>)-RRI-T	2005
1815.	Hingu (<i>Ferula foetida</i>)-RRI-T	2005
1816.	<i>Heacleum rigens</i> -RRI-T	2005
1817.	Kutaja (<i>Holarrhena antidysenterica</i>)-RRI-T	2005
1818.	Upakumchika (<i>Nigella sativa</i>)-RRI-T	2005
1819.	<i>Piper retrofactum</i> -RRI-T	2005
1820.	Chitraka (<i>Plumbago zeylanica</i>)-RRI-T	2005
1821.	Neem oil (<i>Azadirachta indica</i>)-RRI-T	2005
1822.	Vaca (<i>Acorus calamus</i>)-RRI-T, CSMDRIAC	2005
1823.	Aragvada (<i>Cassia fistula</i>)-RRI-T, CSMDRIAC	2005
1824.	Jiraka (<i>Cuminum cyminum</i>)-RRI-T, CSMDRIAC	2005
1825.	Haritaki (<i>Terminalia chebula</i>) -RRI-T, CSMDRIAC,CRID	2005
1826.	Vansalocana (<i>Bambusa bambos</i>) -DSRPJ	2005
1827.	Sunthi (<i>Zingiber officinale</i> Rosc.) -DSRPJ	2005
1828.	Rasna (<i>Pluchea lanceolata</i> Oliver & Hiern.) -DSRPJ	2005
1829.	Madhuka (<i>Madhuca indica</i>) -DSRPJ	2005
1830.	Jaggery (<i>Saccharum officinarum</i>) -DSRPJ	2005
1831.	Arjuna (<i>Terminalia arjuna</i>) -DSRPJ	2005
1832.	Draksha (<i>Vitis vinifera</i>) -DSRPJ	2005
1833.	Dhataki (<i>Woodfordia fruticosa</i>) -DSRPJ	2005
1834.	Eranda (<i>Ricinus communis</i>) -DSRPJ	2005
1835.	Punarnava (<i>Boerhavia diffusa</i>) -DSRPJ	2005
1836.	Twaka (<i>Cinnamomum zeylanicum</i>) -DSRPJ	2005
1837.	Sarala (<i>Pinus roxburghii</i>)- RRIB	2005
1838.	Tintidika (<i>Rhus parviflora</i>)- RRIB	2005
1839.	Lajjalu (<i>Mimosa pudica</i>)- RRIB	2005
1840.	Guduchi (<i>Tinospora cordifolia</i>)- CRID	2005
1841.	Amlaki (<i>Emblica officinalis</i>)- CRID	2005
1842.	Methi (<i>Trigonella foenum-graeam</i>)- CRID	2005
1843.	Gurmar (<i>Gymnema sylvestre</i>)- CRID	2005
1844.	Lodhra (<i>Symplocos spicata</i>) - CRID	2005
1845.	Parijata (<i>Nyctanthas arbor-tristis</i>)- CRID	2005
1846.	Puskar (<i>Inula racemosa</i> Hook. f.)- CRID, CSMDRIAC	2005
1847.	Bel (<i>Aegle marmelos</i>)- CRID, CSMDRIAC	2005
1848.	Bibhitaka (<i>Terminalia bellirica</i> Roxb.)- CRID, CSMDRIAC	2005
1849.	Yashti madhu (<i>Glycyrrhiza glabra</i>) - CRID, CSMDRIAC	2005
1850.	Kamala (<i>Nelumbo nucifera</i>)- CSMDRIAC	2005
1851.	Rakta-chandana (<i>Pterocarpus santalinus</i>)- CSMDRIAC	2005
1852.	Rasna (<i>Alpinia calcarata</i> Rosc.)- CSMDRIAC	2005
1853.	Kakoli (<i>Lilium polyphyllum</i>) - CSMDRIAC	2005
1854.	Hamaspadi (<i>Adiantum lunulatum</i>)- CSMDRIAC	2005
1855.	Haridra (<i>Curcuma longa</i>)- CSMDRIAC	2005



1856.	Salaparni (<i>Desmodium gangeticum</i>) - CSMDRIAC	2005
1857.	Gojivha (<i>Elephantopus scaber</i>)- CSMDRIAC	2005
1858.	Pippali (<i>Piper longum</i>)- CSMDRIAC	2005
1859.	Ushir(<i>Veteveria zizanioides</i>)- CSMDRIAC	2005
1860.	Kantakari (<i>Solanum xanthocarpus</i>) - CSMDRIAC	2005
1861.	Bhunimba (<i>Andrographis paniculata</i> Nees.)- CSMDRIAC	2005
1862.	Aparajita (<i>Clitorea ternatea</i>)- CSMDRIAC	2005
1863.	Ashwagandha (<i>Withania somnifera</i> Dunal.) - CSMDRIAC	2005
1864.	Guraksha (<i>Aerva lanata</i>)- CSMDRIAC	2005
1865.	Lakshamana (<i>Ipomoea sp.</i>)- CSMDRIAC	2005
1866.	Tulsi (<i>Ocimum sanctum</i> L.)- CSMDRIAC	2005
1867.	Samudra Narikal (<i>Lodoicea maldivica</i>)- CSMDRIAC	2005
1868.	Musta (<i>Cyperus rotundus</i> L.)- CSMDRIAC	2005
1869.	Riddhi (<i>Habenaria intermedia</i> D. Don.)- CSMDRIAC	2005
1870.	Nirgundi (<i>Vitex negundo</i>)- CSMDRIAC	2005
1871.	Krishna sariba (<i>Cryptolepis buchmanii</i> Roem. & Schult.)- CSMDRIAC	2005
1872.	Svet Sariba (<i>Decalepis harmiltonii</i>)- CSMDRIAC	2005
1873.	Hamsapadi-Bheda (<i>Desmodium triflorum</i>)- CSMDRIAC	2005
1874.	Indravavuni (<i>Citrullus colocynthis</i>)- CSMDRIAC	2005
1875.	Chandana (Sveta) (<i>Santatum album</i>)- CSMDRIAC	2005
1876.	Brihati (<i>Solanum sp.</i>)- CSMDRIAC	2005
1877.	Ksheerakakoli (<i>Fritillaria royles</i> Hook.)- CSMDRIAC	2005
1878.	Kharjura (<i>Phoenix sylvestris</i>)- CSMDRIAC	2005
1879.	Sravani (<i>Sphaeranthus indicus</i>)- CSMDRIAC	2005
1880.	Lavanga (<i>Syzygium aromaticum</i>)- CSMDRIAC	2005
1881.	Jevanthi (<i>Holostemma adakodien</i>)- CSMDRIAC	2005
1882.	Vrksamala (<i>Garcinia indica</i>)- CSMDRIAC	2005
1883.	Haritmanjari (<i>Acalypha indica</i> L.)- CSMDRIAC	2005
1884.	Badam (<i>Prunus amygdalus</i>)- CSMDRIAC	2005
1885.	Pudina (<i>Mentha arvensis</i>)- CSMDRIAC	2005
1886.	Silajit (<i>Black Bitumen</i>)-CSMDRIAC	2005
1887.	Saindava Lavana (Rock salt)-CSMDRIAC	2005
1888.	Draksha (<i>Vitis vinifera</i>)-DSRPJ	2006
1889.	Punarnava mula (<i>Boerhaavia diffusa</i>)-DSRPJ, RRI-T	2006
1890.	Patol Patra (<i>Tricosanthese dioica</i>)-DSRPJ, RRI-T	2006
1891.	Gambhari (<i>Gmelina arborea</i>)-DSRPJ, RRI-T	2006
1892.	Bilva (<i>Aegle marmelos</i> L.)-DSRPJ, CRID	2006
1893.	Musta (<i>Cyperus rotundus</i> L.)- DSRPJ, CRID	2006
1894.	Rasna mula (<i>Pluchea lanceolata</i> Oliver & Hiern.)-DSRPJ, CRID	2006
1895.	Sunthi (<i>Zingiber officinale</i> Rosc.)-DSRPJ, CRID	2006
1896.	Sahacara (<i>Barleria prionitis</i> L.)-DSRPJ, CRID	2006
1897.	Agnimanth (<i>Clerodendrum phlomidis</i>)-DSRPJ, CRID	2006
1898.	Kulatha (<i>Vigna unguiculata</i>)-DSRPJ, CRID	2006
1899.	Coconut oil (<i>Cocos nucifera</i>)-DSRPJ, CRID	2006
1900.	Erand Mula (<i>Ricinus communis</i>)-DSRPJ, CRID	2006



1901.	Kantakari (<i>Solanum surattense</i>)-DSRPJ, CRID	2006
1902.	Arjuna (<i>Terminalia arjuna</i>)-DSRPJ, CRID	2006
1903.	Prisniparni (<i>Pseudarthria viscida</i> L.)-RRIB	2006
1904.	Musali (<i>Chlorophytum tuberosa</i>)-RRIB	2006
1905.	Vidanga (<i>Embelia ribes</i>)-RRIB	2006
1906.	Kola (<i>Ziziphus jujuba</i>)-RRIB	2006
1907.	Agastya (<i>Sesbania grandiflora</i>)-RRIB	2006
1908.	Jayanthi (<i>Sesbania sesban</i>)-RRIB	2006
1909.	Haritaki (<i>Terminalia chebula</i>)-RRIB, CSMDRIAC	2006
1910.	Vasa (<i>Adhatoda zeylanica</i>)-RRIB, CRID	2006
1911.	Rasna (<i>Alpinia calcarata</i> Rosc.)-RRI-T	2006
1912.	Kalmegh (<i>Andrographis paniculata</i>)-RRI-T	2006
1913.	Nyagrodha (<i>Ficus bengalensis</i>)-RRI-T	2006
1914.	Plaksha (<i>Ficus gibbosa</i>)-RRI-T	2006
1915.	Udumbara (<i>Ficus racemosa</i>)-RRI-T	2006
1916.	Asvattha (<i>Ficus religiosa</i>)-RRI-T	2006
1917.	Neem oil (<i>Azadirachta indica</i>)-RRI-T	2006
1918.	<i>Piper attenuatum</i> -RRI-T	2006
1919.	Munditika (<i>Sphaeranthus indicus</i>)-RRI-T	2006
1920.	Yastimadhu (<i>Glycyrrhiza glabra</i>)-CSMDRIAC	2006
1921.	Swarnapatri (<i>Cassia angustifolia</i>)-CSMDRIAC	2006
1922.	Mandukaparni (<i>Centella asiatica</i>)-CSMDRIAC	2006
1923.	Triphala shodhita guggulu -CSMDRIAC	2006
1924.	Vacha (<i>Acorus calamus</i>)-CRID	2006
1925.	Brahmi (<i>Bacopa monnieri</i>)-CRID	2006
1926.	Ashwagandha (<i>Withania somnifera</i> Dunal.)-CRID	2006
1927.	Shankhpushpi (<i>Convolvulus pluricaulis</i>)-CRID	2006
1928.	Amalaki (<i>Emblia officinalis</i>)-CRID	2006
1929.	Atibala (<i>Abutilon indicum</i> L.)-CRID	2006
1930.	Guduchi (<i>Tinospora cordifolia</i>)-CRID	2006
1931.	Pippalimula (<i>Piper longum</i>)-CRID	2006
1932.	Satavari (<i>Asparagus racemosus</i>)-CRID	2006
1933.	Talmuli (<i>Curuligo orchioides</i>)-CRID	2006
1934.	Vidari kand (<i>Pueraria tuberosa</i>)-CRID	2006
1935.	Kapikacchu (<i>Mucuna prurita</i>)-CRID	2006
1936.	Jyotishmati (<i>Celastrus paniculatus</i>)-CRID	2006
1937.	Jambu (<i>Syzygium cumini</i>)-CRID	2006
1938.	Karavellam (<i>Momordica charantia</i>)-CRID	2006
1939.	Mahanimba (<i>Melia azedarach</i> L.)-CRID	2006
1940.	Tulsi (<i>Ocimum sanctum</i> L.)-CRID	2006
1941.	Maricham (<i>Piper nigrum</i>)-CRID	2006
1942.	Saindhava Lavana-CSMDRIAC	2006
1943.	Muktasukti Bhasma-CSMDRIAC	2006
1944.	Tankana-CSMDRIAC	2006
1945.	Praval Pisiti -CSMDRIAC	2006



1946.	Mriddara Sringa-DSRPJ	2006
1947.	Bilwa (<i>Aegle marmelos</i> Corr.-Root) -RRI-T	2007
1948.	Kulattha (<i>Dolichos biflorus</i> L. (Seed) -RRI-T	2007
1949.	Eranda (<i>Ricinus communis</i> L. (Root)-RRI-T	2007
1950.	Sahachara (<i>Strobilanthes heyneanus</i> Nees (Root)-RRI-T	2007
1951.	Shunthi (<i>Zingiber officinalis</i> Rosc. (Rhizome)-RRI-T	2007
1952.	Agnimantha (<i>Premna integrifolia</i> L.-Root)-RRI-T	2007
1953.	Bharangi (<i>Clerodendrum serratum</i> (L.) Moch (Root)-RRI-T	2007
1954.	Pushkaramula (<i>Inula racemosa</i> Hook. F. (Root)-RRI-T	2007
1955.	Nimba (<i>Azadirachta indica</i>)-RRI-T	2007
1956.	Gambhari (<i>Gmelina arborea</i> L. (Root)-RRI-T	2007
1957.	Nistusha masura (<i>Lensculinaris Medic</i> (Seed)-RRI-T	2007
1958.	Patolamula (<i>Trichosanthes cucumerina</i> L. (Root)-RRI-T	2007
1959.	Vasaka (<i>Adhatoda vasica</i> Nees (Rhizome)-RRI-T	2007
1960.	Haritaki (<i>Terminalia chebula</i> Roxb. (Fruit pulp)-RRI-T	2007
1961.	Bibhitaka (<i>Terminalia bellirica</i> Roxb. (Fruit pulp)-RRI-T	2007
1962.	Dhatri (<i>Emblica officinalis</i> Gaertn. . (Fruit pulp) -RRI-T	2007
1963.	Yavani (<i>Trachyspermum ammi</i> (L.) Sprague)-RRI-T	2007
1964.	Vidanga (<i>Embelia ribes</i> Burm. F. (Fruit)-RRI-T	2007
1965.	Dhataki (<i>Woodfordia fruticosa</i> Jurz. (Flower)-RRI-T	2007
1966.	Trivrt (<i>Ipomoea turpethum</i> Br. (Root)	2007
1967.	Madhuka (<i>Madhuca longifolia</i> (L.) Mac Bride (Root)-RRI-T	2007
1968.	Vetasamula (<i>Vitis carnosia</i> Wall. (Fruit)-RRI-T	2007
1969.	Marica (<i>Piper nigrum</i> L. (Seed)-RRI-T	2007
1970.	Patha (<i>Cyclea peltata</i> Cook (Root)-RRI-T	2007
1971.	Cinca (<i>Tamarindus indica</i> L. (Fruit)-RRI-T	2007
1972.	Dadima (<i>Punica granatum</i> L.) – RRI-T	2007
1973.	Goksura (<i>Tribulus terrestris</i> L. (Fruit)-RRI-T	2007
1974.	Pippali (<i>Piper longum</i> L. (Fruit)-RRI-T	2007
1975.	Agaru (<i>Aquilaria agallocha</i> Roxb. (Heartwood)-RRI-T	2007
1976.	Devadaru (<i>Cedrus deodara</i>)- RRIB	2007
1977.	Kantakari (<i>Solanum xanthocarpum</i> Schrad & Swindle (Whole plant)-RRI-T	2007
1978.	Prishniparni (<i>Pseudarthria viscida</i> L. (Leaves)-RRI-T	2007
1979.	Vidari (<i>Ipomoea digitata</i> L. (Root tuber)-RRI-T	2007
1980.	Ashmabhit (<i>Rotula aqualica</i> Lour. (Stem)-RRI-T	2007
1981.	Kokilaksha (<i>Asteracantha longifolia</i> Nees (Root)-RRI-T	2007
1982.	Dhanvayasa (<i>Tragia involucrate</i> L (Whole plant)-RRI-T	2007
1983.	Vrishchikali (<i>Heliotropium indicum</i> L. (whole plant)-RRI-T	2007
1984.	Dantimula (<i>Baliospermum montanum</i> Muell. Arg. (Root)-RRI-T	2007
1985.	Kantakari (<i>Solanum xanthocarpum</i> Shrad. & Wendle (Seed)-RRI-T	2007
1986.	Tvak (<i>Cinnamomum zeylanicum</i> Bl. (stem bark)-RRI-T	2007
1987.	Patala (<i>Stereospermum suaveolens</i> DC. (Root)-RRI-T	2007
1988.	Brihati (<i>Solanum indicum</i> L.(Root)-RRI-T	2007
1989.	<i>Desmodium triflorum</i> DC (whole plant)-RRI-T	2007
1990.	Mudgaparni (<i>Phaseolus trilobus</i> Ait. (Whole plant)-RRI-T	2007



1991.	Masaparni (<i>Vigna pilosa</i> (whole plant)-RRI-T	2007
1992.	Bala (<i>Sida retusa</i> L. (Root)-RRI-T	2007
1993.	Shatavari (<i>Asparagus racemosus</i> Willd. (Root tuber)-RRI-T	2007
1994.	Suranakanda (<i>Amorphophallus campanulatus</i> (Roxb.) Bl. (Corm)-RRI-T	2007
1995.	Shatapushpa (<i>Anethum sowa</i> Kurz. (Fruit)-RRI-T	2007
1996.	Patola (<i>Tricosanthes cucumerina</i> (leaf)-RRIB	2007
1997.	Karanja (<i>Pongamia pinnata</i> (Stem bark)-RRIB	2007
1998.	Ikshu (<i>Saccharum officinarum</i> (Root)-RRIB	2007
1999.	Katuki (<i>Picrorhiza kurroa</i>)- RRIB	2007
2000.	Yava (<i>Hordium vulgare</i> (Seed)-RRIB	2007
2001.	Mulaka (<i>Raphanus sativus</i> (Seed)-RRIB	2007
2002.	Shigru (<i>Moringa oleifera</i> (Seed)-RRIB	2007
2003.	Saindhav Lavana-CSMDRIAC	2007
2004.	Brahmi (<i>Bacoapa monnieri</i> L. (Whole plant)-RRI-T (DR)	2008
2005.	Katuka (<i>Picrorhiza kurroa</i> (Royle) ex Benth (Rhizome)-RRI-T (DR)	2008
2006.	Tamalaki (<i>Phyllanthus niruri</i> L. (Whole plant)-RRI-T (DR)	2008
2007.	Kutaja (<i>Holarrhena antidysenterica</i> Wall. (Seed)-RRI-T (DR)	2008
2008.	Indrayava (<i>Holarrhena antidysenterica</i> Wall. (Stem bark)-RRI-T (DR)	2008
2009.	Salaparni (<i>Desmodium gangeticum</i> DC (Root)-RRI-T (DR)	2008
2010.	Haridra (<i>Curcuma longa</i> L. (Rhizome)-RRI-T (DR)	2008
2011.	Kantakari (<i>Solanum xanthocarpum</i> S. & Wendle (Whole plant)-RRI-T (DR)	2008
2012.	Karanja (<i>Pongamia pinnata</i> L. (Fruit pulp)-RRI-T (DR)	2008
2013.	Lajjalu (<i>Mimosa pudica</i> L. (Whole plant)-RRI-T (DR)	2008
2014.	Bhallataka (<i>Semecarpus anacardium</i> L. f. (Nut)-RRI-T (DR)	2008
2015.	Hapusa (<i>Sphaeranthus indicus</i> L. (Whole Plant)-RRI-T (DR)	2008
2016.	Trivrt (<i>Ipomoea turpethum</i> R. Br. (Root)-RRI-T (DR)	2008
2017.	Pippali (<i>Pipper longum</i>) -RRI-T (DR)	2008
2018.	Bhadrika (<i>Aerva lanata</i> Juss. (Whole plant)-RRI-T (DR)	2008
2019.	Durva (<i>Cynodon dactylon</i> (L.) Pers. (Whole plant)-RRI-T (DR)	2008
2020.	Takkola (<i>Piper cubeba</i> L.f. (Fruit)-RRI-T (DR)	2008
2021.	Rasna (<i>Alpinia calcarata</i> Rosc. (Rhizome)-RRI-T (DR)	2008
2022.	Lavanga (<i>Syzygium aromaticum</i> L. (Flower bud)-RRI-T (DR)	2008
2023.	Tvak (<i>Cinnamomum zeylanicum</i> Blume . (Stem bk.)-RRI-T (DR)	2008
2024.	Jatiphala (<i>Myristica fragrans</i> Houtt. (Aril)-RRI-T (DR)	2008
2025.	Jatiphala (<i>Myristica fragrans</i> Houtt. (Seed)-RRI-T (DR)	2008
2026.	Nagakesara (<i>Mesua ferrea</i> L. (Stamen)-RRI-T (DR)	2008
2027.	Maricha (<i>Piper nigrum</i> L. (Fruit)-RRI-T (DR)	2008
2028.	Sunthi (<i>Zingiber officinale</i> Rosc.(Rhizome)-RRI-T (DR)	2008
2029.	Amra (<i>Mangifera indica</i> (Endosperm)-RRIB	2008
2030.	K- 1 (raw ingredient) (coded drug)-NRIADD, CSMDRIA & S	2008
2031.	C-1 (raw ingredient) (coded drug)-CSMDRIA & S	2008
2032.	Madhuka (<i>Madhuca longifolia</i>)-CSMDRIA & S	2008
2033.	Amalaki (<i>Embllica officinalis</i>)-CSMDRIA & S	2008
2034.	Jeevaka (<i>Microstylis wallichii</i>)-CSMDRIA & S	2008
2035.	Ailya (<i>Prunus avium</i>)-CSMDRIA & S	2008



2036.	Paroshakka (<i>Phoenix sylvestris</i>)-CSMDRIA & S	2008
2037.	Ananta (<i>Tragia involucrate</i>)-CSMDRIA & S	2008
2038.	Amirta (<i>Tinospora cordifolia</i>)-CSMDRIA & S	2008
2039.	Atibala (<i>Abutilon indicum</i> L.-CSMDRIA & S	2008
2040.	Shravani (<i>Sphaeranthus indicus</i>)-CSMDRIA & S	2008
2041.	K- 1 (extract) (coded drug)-CSMDRIA & S	2008
2042.	Kustha (<i>Saussurea lappa</i> (extract)-NRIADD, CSMDRIA & S	2008
2043.	C-1 (oil) (coded drug)-NRIADD, CSMDRIA & S	2008
2044.	Khadira (<i>Acacia catechu</i> Willd (heart wood)-ARIMCHC (T)	2009
2045.	Vatsanabha (<i>Aconitum heterophyllum</i> Wall. (rhizome)-ARIMCHC (T)	2009
2046.	Araluka (<i>Ailanthus excelsa</i> Roxb (stem bark)-ARIMCHC (T)	2009
2047.	Kanyasara (<i>Aloe barbadensis</i> Mill. (leaf pulp)-NIAPR (P)	2009
2048.	Khatmi (<i>Althaea officinalis</i> L. (seed)-NVARI (L)	2009
2049.	Agnigarbha (<i>Ammania baccifera</i> (root)-CSMRIA&SDD	2009
2050.	Nimba (<i>Azadirachta indica</i> A. Juss. (stem bark)-ARIMCHC (T)	2009
2051.	Brahmi (<i>Bacopa monneri</i> L. (whole plant)-NRIADD (K), ARIMCHC (T)	2009
2052.	Daruharidra (<i>Berberis aristata</i> DC. (root/stolon)-NVARI (L), CSMRIA&SDD	2009
2053.	Shikhi (<i>Blepharis edulis</i> Pers. (seed)-CSMRIA&SDD	2009
2054.	Shalmali (<i>Bombax malabaricum</i> DC. (exudate)-ARIMCHC (T)	2009
2055.	Tankana (Borax (mineral)-NIAPR (P)	2009
2056.	Karanja/ Kuberaksha(<i>Caesalpinia bonducella</i> L. Flem. (seed)-NVARI (L),CSMRIA&SDD	2009
2057.	Sadapushpa (<i>Catharanthus roseus</i> L. G. Don. (leaves)-NVARI (L)	2009
2058.	Jyotishmati (<i>Celastrus paniculata</i> Willt. (seed)-NRIADD (K)	2009
2059.	Mandookaparni (<i>Centella asiatica</i> L. (whole plant)-NRIADD (K)	2009
2060.	Sveta musali (<i>Chlorophytum arundinaceum</i> Roxb. Baker. (root)-NVARI (L), CSMRIA&SDD	2009
2061.	Patha (<i>Cissampelos pareira</i> L.-(root)-ARIMCHC (T)	2009
2062.	Hrivera (<i>Coleus Vettiveroides</i> K.C. Jacob (root)-ARIMCHC (T)	2009
2063.	Slesmataka (<i>Cordia dichotama</i> Forst.(fruit)-NVARI(L),CSMRIA&SDD	2009
2064.	Rasanjana (<i>Coscinium fenestratum</i> Gaertn. (stem exudates)-ARIMCHC (T)	2009
2065.	Goghrita (Cow ghee)-NIAPR (P)	2009
2066.	Keshara (<i>Crocus sativus</i> L. (style & stigma)-NRIADD (K)	2009
2067.	Patha-bheda (<i>Cyclea peltata</i> Hook. f. & Thomson (root)-ARIMCHC (T)	2009
2068.	Amalaki (<i>Embllica officinale</i> Gaertn. (fruit pulp)-ARIMCHC (T), NRIADD (K)	2009
2069.	Somalata (<i>Ephedra geradiana</i> Wall. (stem)-NVARI (L), CSMRIA&SDD	2009
2070.	Kasisa (<i>Ferrous sulphate</i>)-NIAPR (P)	2009
2071.	Hingu (<i>Ferula foetida</i> L. (gum resin)-NIAPR (P)	2009
2072.	Yashti (<i>Glycyrrhiza glabra</i> L. (root)-NVARI (L)	2009
2073.	Meshashringi (<i>Gymnema sylvestre</i> R. Br. (leaves)-NVARI (L),CSMRIA&SDD	2009
2074.	Ananta (<i>Hemidesmus indicus</i> R.Br. (root)-CSMRIA&SDD	2009
2075.	Pushkaramula (<i>Inula racemosa</i> Hook. f. (root)-NVARI (L), CSMRIA&SDD	2009
2076.	Trivrit (<i>Ipomoea turpethum</i> R. Br. (root)-ARIMCHC (T)	2009
2077.	Masura (<i>Lens culinaris</i> Medic. (seed)-ARIMCHC (T)	2009
2078.	Chandrashura (<i>Lepidium sativum</i> L. (seed)-ARIMCHC (T)	2009



2079.	Madhuka (<i>Madhuka longifolia</i> L.(root)-ARIMCHC (T)	2009
2080.	Nagakesara (<i>Mesua ferrea</i> L. (flower)-ARIMCHC (T)	2009
2081.	Campaka (<i>Michelia champaca</i> L. (flower)-CSMRIA&SDD	2009
2082.	Karavellaka (<i>Mormordica diocia</i> Roxb. (fruit)-NVARI(L),CSMRIA&SDD	2009
2083.	Katuka (<i>Picrorhiza kurroa</i> Royle (rhizome)-ARIMCHC (T)	2009
2084.	Kankola (<i>Piper cubeba</i> L. (fruit)-CSMRIA&SDD	2009
2085.	Pippali (<i>Piper longum</i> L. (fruit)-NVARI (L), ARIMCHC(T) CSMRIA&SDD	2009
2086.	Karkatashringi (<i>Pistacia integerrima</i> Stewart (gall)-NVARI (L)	2009
2087.	Vijayasara (<i>Pterocarpus marsupium</i> Roxb. (stem bark)- NVARI(L),CSMRIA&SDD	2009
2088.	Revand chini (<i>Rheum emodi</i> Wall. (root)-NVARI(L),CSMRIA&SDD	2009
2089.	Chopachini (<i>Smilax china</i> L. (tuber root)-CSMRIA&SDD	2009
2090.	Kiratatika (<i>Swertia chirayata</i> Roxb. (whole plant)-NVARI(L),CSMRIA&SDD	2009
2091.	Jambubeeja (<i>Syzygium cuminii</i> L. (seed)-NVARI (L), CSMRIA&SDD	2009
2092.	Bibhitaka (<i>Terminalia belerica</i> Roxb. (fruit pulp)-NRIADD (K), ARIMCHC(T), CSMRIA&SDD	2009
2093.	Haritaki (<i>Terminalia chebula</i> Retz. (fruit pulp)-NRIADD (K) , NVARI (L), ARIMCHC (T)	2009
2094.	Ajmoda (<i>Trachyspermum ammi</i> L.-fruit)-ARIMCHC (T)	2009
2095.	Gokshura (<i>Tribulus terrestris</i> L. (whole plant)-CSMRIA&SDD	2009
2096.	Patolamula (<i>Trichosanthes cucumarina</i> L. (root)-ARIMCHC (T)	2009
2097.	Methika (<i>Trigonella foenum-graecum</i> L. (seed)-NVARI (L), CSMRIA&SDD	2009
2098.	Ushira (<i>Vetiveria zizanioides</i> L.(stem)-CSMRIA&SDD	2009
2099.	Gulbanaphsa /Gulbankasha-NVARI (L), CSMRIA&SDD	2009
2100.	Rishyaprokta (<i>Withania cougulans</i> Dun. (seed)-NVARI (L), CSMRIA&SDD	2009
2101.	Ashwagandha (<i>Withania somnifera</i> Dunal. (root)-NRIADD (K)	2009
2102.	Patha-bheda (<i>Cyclea peltata</i> Hook. f. & Thomson (root)-ARIMCHC (T)	2009
2103.	Kalmegha (<i>Andrographis paniculata</i> (Burm.f.) Wall. ex Nees. (Whole plant)- NVARIH	2010
2104.	Sahachara (<i>Barleria prionitis</i> L. (Whole plant) (Local market)- NVARIH	2010
2105.	Latakaranja (<i>Caesalpinia bonducella</i> Fleming. (Seed) (Local market)- NVARIH	2010
2106.	Shankhapushpi (<i>Convolvulus pluricaulis</i> Choisy (Whole plant) (Local market) - NVARIH	2010
2107.	Haridra (<i>Curcuma longa</i> L. (Rhizome) - NVARIH	2010
2108.	Pittapapra (<i>Fumaria indica</i> L. (Whole plant) (Local market) - NVARIH	2010
2109.	Shunthi (<i>Zingiber officinale</i> Rose. (Rhizome) (Local market) - NVARIH	2010
2110.	Gokshura (<i>Tribulus terrestris</i> L. (Fruit & Root) (Local market) - NVARIH	2010
2111.	Dronapushpi (<i>Leucas cephalotes</i> Spreng. (Whole plant) (Local market) - NVARIH	2010
2112.	Talish patra (<i>Abies webbiana</i> Lindl. (Leaf) (Local market) - NVARIH	2010
2113.	Kadamba (<i>Anthocephalus cadamba</i> (Stem bark)- NADRI	2010
2114.	Jyotismati (<i>Celastrus paniculatus</i> Willd. (Seed) - NADRI	2010
2115.	Kakamachi (<i>Solanum nigrum</i> L. (Root) - NADRI	2010
2116.	Ghrita (Cow ghee (from Patiala unit) - CSMRIA&SDD	2010
2117.	Hingu (<i>Ferula foetida</i> Regel. (Gum) (from Patiala unit)-CSMRIA&SDD	2010



2118.	Shikhi (<i>Blepharis edulis</i> (Burm. f.) Kurtz. (Seed)- CSMRIA&SDD	2010
2119.	Madhusnuhi (<i>Smilax china</i> L.(Root tuber) - CSMRIA&SDD	2010
2120.	Gokshura (<i>Tribulus terrestris</i> L. (Seed)- CSMRIA&SDD	2010
2121.	Kankola (<i>Piper cubeba</i> L. f. (Seed) - CSMRIA&SDD	2010
2122.	Candrasura (<i>Lepidium sativum</i> L. (Seed) - CSMRIA&SDD	2010
2123.	Revand chini (<i>Rheum emodi</i> Wall. (Root) - CSMRIA&SDD	2010
2124.	Baphucli (<i>Corchorus depressus</i> L. (Root) - CSMRIA&SDD	2010
2125.	Krisna sariva (<i>Cryptolepis buchanani</i> Roem. & Schult. (Root) - CSMRIA&SDD	2010
2126.	Madhu (Honey) - CSMRIA&SDD	2010
2127.	Rasna (<i>Alpinia calcarata</i> Rosc. (Rhizome)- ARIMCHC	2010
2128.	Svetakanchan (<i>Bauhinia racemosa</i> Lam. (Stem bark) - ARIMCHC	2010
2129.	Priyangu (<i>Callicarpa macrophylla</i> Vahl. (Leaves) - ARIMCHC	2010
2130.	Dhanyak (<i>Coriandrum sativum</i> L. (Fruit) - ARIMCHC	2010
2131.	Jeeraka (<i>Cuminum cyminum</i> L. (Fruit) - ARIMCHC	2010
2132.	Musta (<i>Cyperus rotundus</i> L. (Rhizome) - ARIMCHC	2010
2133.	Ela (<i>Elettaria cardamomum</i> Maton. (Seed) - ARIMCHC	2010
2134.	Vidanga (<i>Embelia ribes</i> Burm. f. (Seed) - ARIMCHC	2010
2135.	Elavaluka (<i>Heracleum rigens</i> Wall. (Seed) - ARIMCHC	2010
2136.	Kutaja (<i>Holarrhena antidysenterica</i> Wall. (Seed) - ARIMCHC	2010
2137.	Kutaja (<i>Holarrhena antidysenterica</i> Wall. (Stem bark) - ARIMCHC	2010
2138.	Madhuka (<i>Madhuca longifolia</i> L. (<i>Bassia latifolia</i> Roxb.)(Root)- - ARIMCHC	2010
2139.	Amra (<i>Mangifera indica</i> L. (Dry endosperm) - ARIMCHC	2010
2140.	Nilotpala (<i>Nymphaea stellata</i> Willd. (Rhizome) - ARIMCHC	2010
2141.	Gajapippali (<i>Piper retrofractum</i> Vahl. (Fruit) - ARIMCHC	2010
2142.	Karkatasringi (<i>Pistacia integerrima</i> Stew. Ex Brandis (Galls) - ARIMCHC	2010
2143.	Patra (<i>Pogostemon heyneanus</i> Benth. (Leaves) - ARIMCHC	2010
2144.	Raktachandana (<i>Pterocarpus santalinus</i> L. f. (Heart wood) - ARIMCHC	2010
2145.	Ajakarna (<i>Vateria indica</i> L. (Stem bark) - ARIMCHC	2010
2146.	Dhataki (<i>Woodfordia fruticosa</i> Kurz. (Flower) - ARIMCHC	2010
2147.	Ardraka (<i>Zingiber officinale</i> Rosc. (Rhizome) - ARIMCHC	2010
2148.	Agasti (<i>Sesbania grandiflora</i> -Seed)- NRIP	2011
2149.	Agnimantha (<i>Premna mucronata</i> -Root)-NRIP,NIAPR	2011
2150.	Ajmoda (<i>Apium leptophyllum</i> -Fruit)-NRIP	2011
2151.	Amalaki (<i>Embllica officinalis</i> -Pericarp)-NRIP, NIAPR	2011
2152.	Amrta (Guduci) (<i>Tinospora cordifolia</i> -Stem)-NRIP	2011
2153.	Aragva-dha (<i>Cassia fistula</i> -Stem bark)-NRIP	2011
2154.	Arjuna (<i>Terminalia arjuna</i> -Extract)-NRIASHRD	2011
2155.	Aruna (<i>Aconitum heterophyllum</i> -Root Tuber)-NRIP	2011
2156.	Ashwagandha (<i>Withania somnifera</i> Dunal-Root)-NIAPR	2011
2157.	Bhallataka (<i>Semecarpus anacardium</i> –Fruit)-NIAPR	2011
2158.	Bhunimba (Kiratatikta) (<i>Swerita chirata</i> -Plant)-NRIP	2011
2159.	Bibhitaka (<i>Terminalia belerica</i> -Pericarp)-NRIP	2011
2160.	Bilwa (<i>Aegle marmelos</i> L.)-Root)-NRIP	2011
2161.	Brhati (<i>Solanum indicum</i> -Plant)-NRIP	2011
2162.	Chavya (<i>Piper retrofractum</i> -Stem)-NRIP	2011



2163.	Chitraka (<i>Plumbago zeylanica</i> -Root)-NRIP	2011
2164.	Daruharidra (<i>Berberis aristata</i> DC.-Stem)-NRIP, NIAPR	2011
2165.	Devadaru (<i>Cedrus deodara</i> -Heart Wood)-NRIP	2011
2166.	Dhanyak(<i>Coriandrum sativum</i> -Dried Fruit)-NRIP	2011
2167.	Draksa(<i>Vitis vinifera</i> -Dried Fruit)-NRIP	2011
2168.	Duralabha (<i>Fagonia cretica</i> -Plant)-NRIP	2011
2169.	Edagaja (Cakramarda) (<i>Cassia tora</i> -Seed)-NRIP	2011
2170.	Ela (Suksmaila) (<i>Elettaria cardamomum</i> –Seed)-NRIP	2011
2171.	Eranda (<i>Ricinus communis</i> -Root)-NRIP, NIAPR	2011
2172.	Gaja-pippali (<i>Scindapsus officinalis</i> -Fruit)-NRIP	2011
2173.	Gandhak -NIAPR	2011
2174.	Guda (Jaggery)-NRIP	2011
2175.	Guggulu (<i>Commiphora wightii</i> -Exudate)-NRIP, NIAPR	2011
2176.	Haridra (<i>Curcuma longa</i> -Rhizome)-NRIP, NIAPR, NRIASHRD	2011
2177.	Haritaki (<i>Terminalia chebula</i> -Pericarp)-NRIP, NIAPR	2011
2178.	Hingu Suddha (<i>Ferula foetida</i> -Exudate)-NRIP	2011
2179.	Iruveli (<i>Coleus vettiveroides</i> -Whole plant)-NRIP	2011
2180.	Jatamamsi (<i>Nardostachys jatamamsi</i> DC.-Rhizome)-NRIP	2011
2181.	Jiraka (Svetajiraka) (<i>Cuminum cyminum</i> -Fruit)-NRIP	2011
2182.	Kalinga (Indrayava) (<i>Holarrhena antidysenterica</i> -Seed)-NRIP	2011
2183.	Kalmegha (<i>Andrographis paniculata</i> -Whole plant)-NRIASHRD	2011
2184.	Kantakari (<i>Solanum surattense</i> -Plant)-NRIP	2011
2185.	Karin-kurinji (<i>Strobilanthes ciliates</i> -Root)-NRIP	2011
2186.	Karinochi (<i>Vitex negundo</i> -Root)-NRIP	2011
2187.	Karthotti (<i>Capparis zeylanica</i> -Root)-NRIP	2011
2188.	Kasmari (Gambhari)(<i>Gmelina arborea</i> -Root)-NRIP	2011
2189.	Katuka (<i>Picrorhiza kurroa</i> -Rhizome)-NRIP	2011
2190.	Ketaki (<i>Pandanus odoratissimus</i> -Root)-NIAPR	2011
2191.	Khadira (<i>Acacia catechu</i> -Heart Wood)-NRIP	2011
2192.	Kola (<i>Ziziphus jujuba</i> -Fruit pulp)-NRIP	2011
2193.	Krsna jiraka (<i>Carum carvi</i> -Fruit)-NRIP	2011
2194.	Ksara (Yava) (<i>Hordeum vulgare</i> -Water soluble ash of Plant)-NRIP, NIAPR	2011
2195.	Kulatha (<i>Vigna unguiculata</i> -Seed)-NRIP	2011
2196.	Kustha (<i>Saussurea lappa</i> -Root)-NRIP	2011
2197.	Lavanga (<i>Syzygium aromaticum</i> -Flower Bud)-NRIP	2011
2198.	Lodhra (<i>Symplocos racemosus</i> -Stem bark)-NRIP	2011
2199.	Madhuka (Yasti) (<i>Glycyrrhiza glabra</i> -Root)-NRIP	2011
2200.	Manjistha (<i>Rubia cordifolia</i> -Stem)-NRIP, NIAPR	2011
2201.	Maricha (<i>Piper nigrum</i> -Fruit)-NRIP	2011
2202.	Masha (<i>Phaseolus roxburghii</i> -Seed)-NRIP	2011
2203.	Methi (<i>Trigonella foenum graecum</i> -Seed)-NRIP	2011
2204.	Musta (<i>Cyperus rotundus</i> L.-Rhizome)-NRIP, NIAPR	2011
2205.	Nanmughappullu (<i>Cymbopogon martini</i> -Whole plant)-NRIP	2011
2206.	Nimba (<i>Azadirachta indica</i> -Stem Bark)-NRIP	2011
2207.	Parpata (<i>Fumaria parviflora</i> -Whole Plant)-NRIP	2011



2208.	Patala (<i>Stereospermum suaveolens</i> DC.-Root)-NRIP	2011
2209.	Patha (<i>Cissampelos pareira</i> L.-Root)-NRIP	2011
2210.	Patola (<i>Tricosanthes dioica</i> -Whole Plant)-NRIP	2011
2211.	Patra (Tejapatra)(<i>Cinnamomum tamala</i> -Leaf)-NRIP, NIAPR	2011
2212.	Pippali (<i>Piper longum</i> -Fruit)-NRIP	2011
2213.	Pippali-mula(<i>Piper longum</i> -Root)-NRIP	2011
2214.	Prasniparni (<i>Uraria picta</i> -Whole Plant)-NRIP	2011
2215.	Pushkar mool (<i>Inula racemosa</i> Hook. f. –Extract)-NRIASHRD	2011
2216.	Puti-karanja (<i>Caesalpinia crista</i> -Stem bark)-NRIP	2011
2217.	Rasna (<i>Pluchae lanceolata</i> Oliver & Hiern.-Root)-NRIP	2011
2218.	Saindhava lavana (Rock salt-Mineral)-NRIP	2011
2219.	Salaparni (<i>Desmodium gangeticum</i> -Whole Plant)-NRIP	2011
2220.	Sarkara (<i>Saccharum officinarum</i> -Sugar)-NRIP	2011
2221.	Sarsapa (<i>Brassica campestris</i> -Seed)-NRIP	2011
2222.	Satahva (<i>Anethum sowa</i> -Fruit)-NRIP	2011
2223.	Sita (<i>Sugar candy</i>)-NRIP	2011
2224.	Somaraji (Bakuci)(<i>Psoralea corylifolia</i> -Fruit)-NRIP	2011
2225.	Srngi (Karkatasrngi)(<i>Pistacia integerrima</i> -Galls)-NRIP	2011
2226.	Sunthi(<i>Zingiber officinale</i> Rosc.-Rhizome)-NRIP, NIAPR	2011
2227.	Svadamstra (Goksura)(<i>Tribulus terrestris</i> -Whole Plant)-NRIP	2011
2228.	Sveta-candana (<i>Santalum album</i> -Heart wood)-NRIP	2011
2229.	Syonaka (<i>Oroxylum indicum</i> -Root)-NRIP	2011
2230.	Tagara (<i>Cassia tora</i> -Whole plant)-NRIP	2011
2231.	Talisa (<i>Abies webbiana</i> -Leaves)-NRIP	2011
2232.	Thavittu-vempada (<i>Ventilago madraspatana</i> -Leaves)-NRIP	2011
2233.	Tila (<i>Sesamum indicum</i> -Seed)-NRIP	2011
2234.	Trivrt (<i>Ipomoea turpenthum</i> -Root)-NRIP	2011
2235.	Tvak (<i>Cinnamomum zeylanicum</i> -Stem Bark)-NRIP	2011
2236.	Tvaksiri (Vamsa)(<i>Bambusa arundinacea</i> -Silicious Concretion)-NRIP	2011
2237.	Ugragandha (Vacha) (<i>Acorus calamus</i> -Rhizome)-NRIP	2011
2238.	Usira (<i>Vetiveria zizanoides</i> -Root)-NRIP	2011
2239.	Varsabhu (<i>Trianthemaportulacastrum</i> -Root)-NRIP	2011
2240.	Vasaka (Vasa) Svarasa(<i>Adhatoda vasica</i> -Leaf)-NRIP	2011
2241.	Vida lavana-NRIP	2011
2242.	Vidanga (<i>Embelia ribes</i> -Fruit)-NRIP	2011
2243.	Yamani (Yavani)(<i>Trachyspermum ammi</i> -Fruit)-NRIP	2011
2244.	Agasti (<i>Sesbania grandiflora</i> -Seed)-NRIP	2012
2245.	Ajmoda (<i>Apium leptophyllum</i> –Fruit)-NRIP	2012
2246.	Amalaki (<i>Embllica officinalis</i> -Pericarp)-NRIP, NIAPR, NRIADD	2012
2247.	Apamarga ksara (<i>Achyranthes aspera</i> -Whole plant)-NRIASHRD	2012
2248.	Aragvadha (<i>Cassia fistula</i> -Stem bark)-NRIP	2012
2249.	Aswagandha (<i>Withania somnifera</i> -Root)-NRIADD	2012
2250.	Ativisa (<i>Aconitum heterophyllum</i> Wall.-Root)-NRIADD	2012
2251.	Babbula (<i>Acacia arabica</i> -Fruit)-NADRI	2012
2252.	Bibhitika (<i>Terminalia belerica</i> Roxb.-Fruit)-CSMRIA&SDD	2012



2253.	Bakuci (<i>Psoralea corylifolia</i> –Fruit)-NRIP	2012
2254.	Bala (<i>Sida cordifolia</i> L.-Root)-NRIP	2012
2255.	Methika (<i>Trigonella foenum-graecum</i> -Seed) -CSMRIA&SDD	2012
2256.	Bibhitika (<i>Terminalia belerica</i> Roxb. -Pericarp)-NRIP, NIAPR	2012
2257.	Bhallataka (<i>Semecarpus anacardium</i> -Fruit)-NIAPR	2012
2258.	Cavya (<i>Piper retrofractum</i> -Stem)-NRIP	2012
2259.	Chitraka (<i>Plumbago zeylanica</i> -Root)-NRIADD, NIAPR	2012
2260.	Daruharidra (<i>Berberis aristata</i> DC.-Root/stolon)-CSMRIA&SDD	2012
2261.	Devadaru (<i>Cedrus deodara</i> -Heart wood)-NRIP	2012
2262.	Dhanyak (<i>Coriandrum sativum</i> –Fruit)-NRIP	2012
2263.	Dinesavally (<i>Ventilago maderaspatana</i> –Leaves)-NRIP	2012
2264.	Draksa (<i>Vitis vinifera</i> -Fruit)-NRIP	2012
2265.	Eranda (<i>Ricinus communis</i> -Root)-NRIP	2012
2266.	Goksura (<i>Tribulus terrestris</i> -Fruit)-NRIP, NRIADD	2012
2267.	Guda (Jaggery)-NRIP	2012
2268.	Guduci (<i>Tinospora cordifolia</i> -Stem)-NRIP, NIAPR,	2012
2269.	Guggulu (<i>Commiphora wightii</i> -Exudates)-NRIP	2012
2270.	Gunja (<i>Abrus precatorius</i> -Fruit)-NADRI	2012
2271.	Gurmara (<i>Gymnema sylvestre</i> –Leaves)-CSMRIA&SDD	2012
2272.	Haridra (<i>Curcuma longa</i> L.-Rhizome)-NRIASHRD, NRIP	2012
2273.	Haritaki (<i>Terminalia chebula</i> -Pericarp)-NRIP, NRIADD, NIAPR	2012
2274.	Kantakari (<i>Solanum surattense</i> -Whole plant)-NRIP	2012
2275.	Karanja (<i>Caesalpinia bonducella</i> -Seed)-CSMRIA&SDD	2012
2276.	Karavellaka (<i>Momordica charantia</i> -Fruit)-CSMRIA&SDD	2012
2277.	Karkatashringi (<i>Pistacia integerrima</i> –Gall)-CSMRIA&SDD	2012
2278.	Karkatsringa (<i>Pistacia lentiscus</i> -Leaf)-NRIADD	2012
2279.	Katuka (<i>Picrorhiza kurroa</i> -Rhizome)-NRIP	2012
2280.	Kirattikta (<i>Swertia chirayta</i> -Whole plant)-NRIP	2012
2281.	Kola (<i>Zizyphus mauritiana</i> -Fruit pulp)-NRIP	2012
2282.	Kovidara (<i>Bauhinia purpurea</i> –Flower)-NADRI	2012
2283.	Krsnajiraka (<i>Carum carvi</i> –Fruit)-NRIP, NIAPR,	2012
2284.	Kustha (<i>Saussurea lappa</i> -Root)-NRIP	2012
2285.	Lasuna (<i>Allium sativum</i> -Bulb)-NRIP	2012
2286.	Latakaranja (<i>Caesalpinia bonduc</i> -Root)-NRIP	2012
2287.	Manjistha (<i>Rubia cordifolia</i> –Stem)-NRIP	2012
2288.	Marica (<i>Piper nigrum</i> -Fruit)-NRIP, NIAPR	2012
2289.	Masha (<i>Phaseolus roxburghii</i> -Seed)-NRIP	2012
2290.	Methi (<i>Trigonella foenum-graecum</i> –Seed)-NRIP	2012
2291.	Yastimadhu (<i>Glycyrrhiza glabra</i> -Stolon & root)-CSMRIA&SDD, NRIP, NRIADD	2012
2292.	Musta (<i>Cyperus rotundus</i> L.-Rhizome / Root tuber)-NRIP ,NRIADD, NIAPR	2012
2293.	Nimba (<i>Azadirachta indica</i> -Stem bark)-NRIP	2012
2294.	Parpata (<i>Fumaria parviflora</i> -Whole plant)-NRIP	2012
2295.	Pippali (<i>Piper longum</i> –Fruit)-NRIP ,NRIADD, NIAPR	2012
2296.	Pippalimula (<i>Piper longum</i> –Root)-NRIP	2012



2297.	Punarnava (<i>Boerhaavia diffusa</i> -Whole plant)-NRIADD	2012
2298.	Pushkarmula (<i>Inula racemosa</i> –Root)-CSMRIA&SDD	2012
2299.	Rasna (<i>Pluchea lanceolata</i> -Root)-NRIP	2012
2300.	Sadabahara (<i>Catharanthus roseus</i> -Leaves)-CSMRIA&SDD	2012
2301.	Salaparni (<i>Desmodium gangeticum</i> -Root)-NRIP	2012
2302.	Sarkara (<i>Saccharum officinarum</i> -Sugar)-NRIP	2012
2303.	Sarsapa (<i>Brassica campestris</i> -Seed)-NRIP	2012
2304.	Satavari (<i>Asparagus racemosus</i> -Root)-NRIADD	2012
2305.	Sita (Sugar candy)-NRIP	2012
2306.	Snuhi ksira (<i>Euphorbia neriifolia</i> -Latex)-NRIASHRD	2012
2307.	Somalata (<i>Ephedra gerardiana</i> –Stem)-CSMRIA&SDD	2012
2308.	Suksmaila (<i>Elettaria cardamomum</i> -Seed)-NRIP	2012
2309.	Sunthi (<i>Zingiber officinale</i> Rosc. –Rhizome)-NRIP, NIAPR	2012
2310.	Svetajiraka (<i>Cuminum cyminum</i> -Fruit)-NRIP, NIPAR	2012
2311.	Swarnapatri (<i>Cassia angustifolia</i> -Leaf)-NRIADD	2012
2312.	Talisa (<i>Abies webbiana</i> -Leaf)-NRIP	2012
2313.	Tila (<i>Sesamum indicum</i> –Seed)-NRIP	2012
2314.	Tvak(<i>Cinnamomum zeylanicum</i> -Stem bark)-NRIP, NIPAR	2012
2315.	Tvakpatra (<i>Cinnamomum tamala</i> -Leaf)-NRIP, NIPAR	2012
2316.	Usira (<i>Vetiveria zizanioides</i> -Root)-NRIP	2012
2317.	Vacha (<i>Acorus calamus</i> -Rhizome)-NRIP, NIAPR,	2012
2318.	Vamsa (Tvaksiri)(<i>Bambusa arundinacea</i> -Silicious concretion)-NRIP	2012
2319.	Vanya sarpagandha (<i>Rauvolfia tetraphylla</i> –Root)-NADRI	2012
2320.	Varsabhu (<i>Trianthema portulacastrum</i> -Root)-NRIP	2012
2321.	Varuna (<i>Crataeva nurvala</i> -Stem bark)-NRIP	2012
2322.	Vasa (<i>Adhatoda vasica</i> -Leaf)-NRIP	2012
2323.	Vatsanabha (<i>Aconitum chasmanthum</i> –Tuber)-NRIP, NIAPR	2012
2324.	Vidanga (<i>Embelia ribes</i> -Fruit)-NRIP, NIAPR	2012
2325.	Yava (<i>Hordeum vulgare</i> -Fruit)-NRIP	2012
2326.	Ela (<i>Elettaria cardamomum</i> -Seed)-NIAPR	2012
2327.	Tvakpatra (<i>Cinnamomum tamala</i> -Leaf)-NIAPR	2012
2328.	Nagakesara (<i>Mesua ferrea</i> –Stamen)-NIAPR	2012
2329.	Trivrt (<i>Ipomoea turpethum</i> –Root)-NIAPR	2012
2330.	Narikela (<i>Cocos nucifera</i> –Endosperm)-NIAPR	2012
2331.	Vamsalocana (<i>Bambusa bambos</i> -Silicious concretion)-NIAPR	2012
2332.	Tinisha (Batch I, II, L3, L4)	2012
2333.	Ghrita (Clarified butter of cow's milk)-NRIP	2012
2334.	Madhu (Honey-Bee)-NRIP	2012
2335.	Mandurbhasma -NRIADD	2012
2336.	Saindhava lavana (Lavana salt)-NRIADD	2012
2337.	Tankana Bhasma -NRIP	2012
2338.	Muktasuktibhasma-NRIADD	2012
2339.	<i>Ougenia oojeinensis</i> -Stem bark -CSMRIA&SDD, NRIADD	2012
2340.	Yastimadhu (<i>Glycyrrhiza glabra</i> -root)-CSMRIA&SDD, NRIP, NRIADD	2012
2341.	Ajmoda (<i>Apium leptophyllum</i> -Dried fruit)-NRIP	2013



2342.	Amalaki (<i>Embllica officinalis</i> -Fresh fruit, Pericarp), Fruit -NRIPC, NRIADDK	2013
2343.	Bakuchi (<i>Psoralea corylifolia</i> -Seed)-NRIADDK	2013
2344.	Bibhitika (<i>Terminalia belerica</i> Roxb.-Pericarp)-NRIPC, CSMRIA&SDDC, NRIADDK,	2013
2345.	Draksha (<i>Vitis vinifera</i> -Fruit)-NRIPC	2013
2346.	Goghrtta (Ghee)-NRIPC	2013
2347.	Guduchi (<i>Tinospora cordifolia</i> -Stem)-NIAPRP	2013
2348.	Gulbankasha (<i>Viola odorata</i> -Flower)-NRIADDK	2013
2349.	Haritaki (<i>Terminalia chebula</i> -Pericarp, Fruits & leaves)-NRIPC, CSMRIA&SDDC, NRIADDK	2013
2350.	Indrayava (<i>Holarrhena antidysenterica</i> -Seed)-NRIADDK	2013
2351.	Karkatasrngi (<i>Pistacia lentiscus</i> -Leaf)-CSMRIA&SDDC, NRIADDK	2013
2352.	Katuka (<i>Picrorhiza kurroa</i> -Rhizome)-NRIPC	2013
2353.	Khatami (<i>Althaea officinalis</i> -Root)-CSMRIA&SDDC, NRIADDK	2013
2354.	Kutaja (<i>Holarrhena antidysenterica</i> -Stem Bark)-NRIADDK	2013
2355.	Lasudha (<i>Cordia dichotama</i> -Fruit)-CSMRIA&SDDC, NRIADDK	2013
2356.	Madhu (Honey)-NRIPC	2013
2357.	Manjistha (<i>Rubia cordifolia</i> -Stem)-NRIPC	2013
2358.	Marica (<i>Piper nigrum</i> -Fruit)-NRIPC	2013
2359.	Methi (<i>Trigonella foenum-graecum</i> -Seed)-NRIPC	2013
2360.	Nimba (<i>Azadiracta indica</i> -Stem bark)-NRIPC	2013
2361.	Parpata (<i>Fumaria parviflora</i> -Whole plant)-NRIPC	2013
2362.	Pippali (<i>Piper longum</i> -Fruit, Fried fruit)-NRIPC, CSMRIA&SDDC, NRIADDK	2013
2363.	Puskarmoola (<i>Inula racemosa</i> Hook. f.)-Moola)-CSMRIA&SDDC, NRIADDK	2013
2364.	Sarkara (<i>Saccharum officinarum</i> -Sugar)-NRIPC	2013
2365.	Satavari (<i>Asparagus racemosus</i> -Root)-NIAPRP	2013
2366.	Somalata (<i>Ephedra gerardiana</i> -Stem)-NRIADDK	2013
2367.	Suksmaila (<i>Elettaria cardamomum</i> -Seed)-NRIPC	2013
2368.	Sunthi (<i>Zingiber officinale</i> Rosc.-Rhizome)-NRIPC	2013
2369.	Swarnapatri (<i>Cassia angustifolia</i> -leaves)-NRIADDK	2013
2370.	Trivrit (<i>Operculina turpethum</i> -Root)-NRIPC	2013
2371.	Tvakpatra (<i>Cinnamomum tamala</i> -Leaf)-NRIPC	2013
2372.	Vamsa (<i>Bambusa arundinacea</i> -Silicious concretion)-NRIPC	2013
2373.	Vasa (<i>Adhatoda vasica</i> -Leaf)-NRIPC	2013
2374.	Vatsanabha (<i>Aconitum chasmanthum</i> -Root)-NRIPC	2013
2375.	Vidhanga (<i>Embelia ribes</i> -Fruit)-NRIPC	2013
2376.	Yastimadhu (<i>Glycyrrhiza glabra</i> -Root & stolon)-NRIPC, CSMRIA&SDDC, NRIADDK	2013
2377.	Saindhava lavana-NRIADDK	2013
2378.	Tankana-NRIPC	2013
2379.	Vaca (<i>Acorus calamus</i> -Rhizome)-NRIPC	2015
2380.	Bilva (<i>Aegle marmelos</i> L.)-NRIADDK	2015
2381.	Coraka (<i>Angelica glauca</i> Edgew-seed)-CSMRIA&SDDC	2015
2382.	Ajmoda (<i>Apium leptohyllum</i>)-NRIADDK	2015



2383.	Basthantri/Akarakarabha (<i>Argyreia nervosa</i> (Burm. f.) -Leaf, Seed & Stem)-CSMRIA&SDDC	2015
2384.	Isvari (<i>Aristolochia indica</i> L.-Leaf)-CSMRIA&SDDC	2015
2385.	Nimba (<i>Azadirachta indica</i> A. Juss. -Stem bark)-NRIPC	2015
2386.	Raktapunarnava (<i>Boerhaavia diffusa</i> -Root)-NRIPC, NRIADDK	2015
2387.	Bhanga (<i>Cannabis sativa</i> - Leaves (3 batches)-NRIADDK	2015
2388.	Krsnajiraka (<i>Carum carvi</i>)-NRIADDK	2015
2389.	Svarnapatri (<i>Cassia angustifolia</i>)-NRIADDK	2015
2390.	Aragvadha (<i>Cassia fistula</i> -Stem bark)-NRIPC	2015
2391.	Devadaru (<i>Cedrus deodara</i> -Heartwood)-NRIPC	2015
2392.	Tvak (<i>Cinnamomum zeylanicum</i> -Stem bark)-NRIADDK, NRIPC	2015
2393.	Guggulu (<i>Commiphora wrightii</i>)-NRIADDK	2015
2394.	Varuna (<i>Crataeva nurvala</i>)-Stem bark-NRIPC	2015
2395.	Kumkum (<i>Crocus sativus</i>) -NRIADDK , CSMRIA&SDDC	2015
2396.	Svetajiraka (<i>Cuminum cyminum</i>)-NRIADDK	2015
2397.	Haridra (<i>Curcuma domestica</i> Valenton)-Rhizome (ACRI-New Delhi, NADRI-Bangalore)-CSMRIA&SDDC	2015
2398.	Haridra (<i>Curcuma longa</i> L.-Rhizome)-NRIPC	2015
2399.	Musta (<i>Cyperus rotundus</i> L.-Rhizome)-NRIPC	2015
2400.	Rudraksa (<i>Elaeocarpus sphaericus</i> -Root (3 batches)-NRIADDK	2015
2401.	Suksmaila (<i>Elettaria cardamomum</i> -Fruit)-NRIPC	2015
2402.	Vidanga (<i>Embelia ribes</i> -Fruit)-NRIPC	2015
2403.	Amalaki (<i>Embllica officinalis</i> -Pericarp)-NRIPC, NRIADDK	2015
2404.	Mishreya (<i>Foeniculum vulgare</i> - Seed)-NRIPC, NRIADDK	2015
2405.	Parpataka (<i>Fumaria parviflora</i> -Whole plant)-NRIPC	2015
2406.	Yashti (<i>Glycyrriza glabra</i>)-NRIADDK	2015
2407.	Indrayava (<i>Holarrhena antidysenterica</i>)-NRIADDK	2015
2408.	Putikaranja (<i>Holoptelea integrifolia</i> Planch.-Stem bark)-NRIPC	2015
2409.	Kali musali -Whole plant)-NRIPC	2015
2410.	Sigru (<i>Moringa oleifera</i> -Stem bark)-NRIPC	2015
2411.	Jatamansi (<i>Nardostachys jatamansi</i> DC.-Rhizome)-NRIPC	2015
2412.	Katuka (<i>Picrorhiza kurroa</i> -Whole plant)-NRIPC	2015
2413.	Pippali (<i>Piper longum</i> -Fruit)-NRIPC, NRIADDK	2015
2414.	Marica (<i>Piper nigrum</i>)-NRIPC, NRIADDK	2015
2415.	Rasna (<i>Pluchea lanceolata</i> Oliver & Hiern.-Root)-NRIPC	2015
2416.	Bakuchi (<i>Psoralea corylifolia</i>)-NRIADDK	2015
2417.	Sarpagandha (<i>Rauwolfia serpentina</i> L. Benth- Root , 3 batches)-NRIADDK	2015
2418.	Eranda (<i>Ricinus communis</i> -Root)-NRIPC	2015
2419.	Manjistha (<i>Rubia cordifolia</i> -Stem)-NRIPC	2015
2420.	Bala (<i>Sida cordifolia</i> L.-Root)-NRIPC	2015
2421.	Patala (<i>Stereospermum suaveolens</i> DC.-Root)-NRIPC	2015
2422.	Chirayata (<i>Swerita chirata</i> -Whole plant)-NRIPC	2015
2423.	Bibhitaka (<i>Terminalia bellirica</i> Roxb.)-Fruit)-NRIPC, NRIADDK	2015
2424.	Haritaki (<i>Terminalia chebula</i> -Pericarp)-NRIPC, NRIADDK	2015
2425.	Yavani (<i>Trachyspermum ammi</i> (L.) Sprague)-NRIADDK	2015



2426.	Vrscikalli (<i>Tragia involucrata</i> -Whole plant)-NRIPC	2015
2427.	Goksura (<i>Tribulus terrestris</i> -Dried Fruit)-NRIPC	2015
2428.	Methi (<i>Trigonella foenum-graecum</i> -Seed)-NRIPC	2015
2429.	Indrayava (<i>Wrightia tinctoria</i>)-NRIADDK	2015
2430.	Jangi Haritaki-NRIADDK	2015
2431.	Asvagandha (<i>Withania somnifera</i>)-NRIADDK	2015
2432.	Sunthi (<i>Zingiber officinale</i> Rosc.-Rhizome)-NRIPC, NRIADDK	2015
2433.	Vatsnabha (Shuddh) (<i>Aconitum chasmanthum</i>)-CARIRD, Patiala	2016
2434.	Vaca (<i>Acorus calamus</i>)-CARIDD,Kolkata	2016
2435.	Bilwa (<i>Aegle marmelos</i>)-CARIMNSD, Cheruthuruthy, CARIDD,Kolkata	2016
2436.	Rasona (<i>Allium cepa</i>)-CARIMNSD, Cheruthuruthy	2016
2437.	Lasuna (<i>Allium sativum</i>)-CARIMNSD, Cheruthuruthy	2016
2438.	Kanyasara (<i>Aloe vera</i>)-CARIMNSD, Cheruthuruthy	2016
2439.	Rasna (<i>Alpinia galanga</i>)-CARIMNSD, Cheruthuruthy	2016
2440.	Kalmegh (<i>Andrographis paniculata</i>)-CARIDD,Kolkata	2016
2441.	Agaru (<i>Aquilaria agallocha</i> Roxb.)-CARIMNSD, Cheruthuruthy	2016
2442.	Akarakarabh (<i>Argyreia nervosa</i>)-CSMDRIA, Chennai	2016
2443.	Satavari (<i>Asparagus racemosus</i>)-CARIMNSD, Cheruthuruthy	2016
2444.	Nimba (<i>Azadirachta indica</i>)-CARIMNSD, Cheruthuruthy	2016
2445.	Punarnava (<i>Boerhaavia diffusa</i> L.)-CARIMNSD, Cheruthuruthy	2016
2446.	Aragwadha (<i>Cassia fistula</i>)-CARIMNSD, Cheruthuruthy	2016
2447.	Devadaru (<i>Cedrus deodara</i>)-CARIMNSD, Cheruthuruthy	2016
2448.	Patra (<i>Cinnamomum tamala</i>)-CARIMNSD, Cheruthuruthy	2016
2449.	Tvak (<i>Cinnamomum zeylanicum</i>)-CARIMNSD, Cheruthuruthy	2016
2450.	Karpoora (<i>Cinnamomum camphora</i>)-CARIMNSD, Cheruthuruthy	2016
2451.	Guggulu (<i>Commiphora wightii</i>)-CSMDRIA, Chennai	2016
2452.	Shodhit Guggulu (<i>Triphala Shodhit</i>)(<i>Commiphora wightii</i>)-CSMDRIA, Chennai	2016
2453.	Shodhit Guggulu (<i>Gomuthra Shodhit</i>)(<i>Commiphora wightii</i>)-CSMDRIA, Chennai	2016
2454.	Musali (<i>Curculigo orchoides</i>)-CARIMNSD, Cheruthuruthy	2016
2455.	Haridra (<i>Curcuma longa</i> L.)-CARIMNSD, Cheruthuruthy	2016
2456.	Mustaka (<i>Cyperus rotundus</i> L.)-CARIDD,Kolkata, CARIMNSD, Cheruthuruthy	2016
2457.	Dhatura (<i>Datura metel</i>)-CARIRD, Patiala	2016
2458.	Prisnaparni (<i>Desmodium gangeticum</i>)-CARIMNSD, Cheruthuruthy	2016
2459.	Kulatha (<i>Dolichos biflorus</i>)-CARIMNSD, Cheruthuruthy	2016
2460.	Bhringraj (<i>Eclipta alba</i>)-CARIDD,Kolkata	2016
2461.	Ela (<i>Elettaria cardamomum</i>)-CARIMNSD, Cheruthuruthy	2016
2462.	Vidanga (<i>Embelia ribes</i>)-CARIDD,Kolkata	2016
2463.	Amalaki (<i>Embllica officinalis</i>)-CARIMNSD, Cheruthuruthy	2016
2464.	Sathapushpa (<i>Foeniculum vulgare</i>)-CARIMNSD, Cheruthuruthy	2016
2465.	Yasti (<i>Glycyrrhiza glabra</i>)-CARIMNSD, Cheruthuruthy	2016
2466.	Kasmari (<i>Gmelina arborea</i>)-CARIMNSD, Cheruthuruthy	2016
2467.	Sariva (<i>Hemidesmus indicus</i> R.Br.)-CARIDD,Kolkata, CARIMNSD, Cheruthuruthy	2016
2468.	Pootika (<i>Holoptelea integrifolia</i>)-CARIMNSD, Cheruthuruthy	2016
2469.	Prasarani (<i>Merremia tridentate</i>)-CARIMNSD, Cheruthuruthy	2016



2470.	Dhritharashtra pacha (<i>Mikania micrantha</i>)-CARIDD,Kolkata	2016
2471.	Jatamansi (<i>Nardostachys jatamansi</i> DC.)-CARIMNSD, Cheruthuruthy	2016
2472.	Tulsi (<i>Ocimum sanctum</i> L.)-CARIRD, Patiala	2016
2473.	Syonaka (<i>Oroxylum indicum</i>)-CARIMNSD, Cheruthuruthy	2016
2474.	Shashtika rice (<i>Oryza sativa</i>)-CARIMNSD, Cheruthuruthy	2016
2475.	Prasarani (<i>Paederia foetida/ Merremia tridentate</i>)-CARIMNSD, Cheruthuruthy	2016
2476.	Sailleya (<i>Parmelia perlata</i>)-CARIMNSD, Cheruthuruthy	2016
2477.	Kodrava (<i>Paspalus scrobiculatum</i>)-CARIMNSD, Cheruthuruthy	2016
2478.	Bhuiamalaki (<i>Phyllanthus amarus</i>)-CARIDD,Kolkata	2016
2479.	Katuki (<i>Picrorhiza kurroa</i>)-CARIMNSD, Cheruthuruthy	2016
2480.	Chavya (<i>Piper chaba</i>)-CARIMNSD, Cheruthuruthy	2016
2481.	Pippali (<i>Piper longum</i>)-CARIDD,Kolkata, CARIRD, Patiala, CARIMNSD, Cheruthuruthy	2016
2482.	Pippalimula (<i>Piper longum</i>)-CARIRD, Patiala, CARIMNSD, Cheruthuruthy	2016
2483.	Marich (<i>Piper nigrum</i>)-CARIDD,Kolkata, CARIRD, Patiala, CARIMNSD, Cheruthuruthy	2016
2484.	Marich (White) (<i>Piper nigrum</i>)-CARIMNSD, Cheruthuruthy	2016
2485.	Hreebera (<i>Plectranthus vittiveroides</i>)-CARIMNSD, Cheruthuruthy	2016
2486.	Rasna (<i>Pluchea lanceolata</i>)-CARIMNSD, Cheruthuruthy	2016
2487.	Chitraka(<i>Plumbago zeylanica</i>)-CARIDD,Kolkata, CARIMNSD, Cheruthuruthy	2016
2488.	Chitraka (purified) (<i>Plumbago zeylanica</i>)-CARIMNSD, Cheruthuruthy	2016
2489.	Salaparni (<i>Pseudarthria viscid</i>)-CARIMNSD, Cheruthuruthy	2016
2490.	Raktha chandana (<i>Pterocarpus santalinus</i>)-CARIMNSD, Cheruthuruthy	2016
2491.	Eranda (<i>Ricinus communis</i>)-CARIMNSD, Cheruthuruthy, CARIDD,Kolkata	2016
2492.	Erandamoola (<i>Ricinus communis</i>)-CARIMNSD, Cheruthuruthy	2016
2493.	Manjishta (<i>Rubia cordifolia</i>) -CARIMNSD, Cheruthuruthy	2016
2494.	Sweta candana (<i>Santalum album</i> -CARIMNSD, Cheruthuruthy	2016
2495.	Kushta (<i>Saussurea lappa</i>)-CARIMNSD, Cheruthuruthy	2016
2496.	Gajapippali (<i>Scindappus officinalis</i>)-CARIMNSD, Cheruthuruthy	2016
2497.	Bhallathaka (Purified) (<i>Semicarpus anacardium</i>)-CARIMNSD, Cheruthuruthy	2016
2498.	Kangu (Thina) (<i>Setaria indica</i>)-CARIMNSD, Cheruthuruthy	2016
2499.	Bala (<i>Sida cordifolia</i> L.)-CARIMNSD, Cheruthuruthy, CARIDD,Kolkata	2016
2500.	Brahathi (<i>Solanum indicum</i>)-CARIMNSD, Cheruthuruthy	2016
2501.	Kantakari (<i>Solanum xanthocarpum</i>)-CARIMNSD, Cheruthuruthy	2016
2502.	Patala (<i>Stereospermum suaveolens</i> DC.)-CARIMNSD, Cheruthuruthy	2016
2503.	Cinca (<i>Tamarindus indica</i>)-CARIMNSD, Cheruthuruthy	2016
2504.	Sharpunkha (<i>Tephrosia purpurea</i>)-CARIDD,Kolkata	2016
2505.	Bibhitaka (<i>Terminalia bellirica</i> Roxb.)-CARIMNSD, Cheruthuruthy	2016
2506.	Haritaki (<i>Terminalia chebula</i>)-CARIMNSD, Cheruthuruthy, CSMDRIA, Chennai	2016
2507.	Guduci (<i>Tinospora cordifolia</i>) -CARIMNSD, Cheruthuruthy, CARIDD,Kolkata	2016
2508.	Ajmoda (<i>Trachyspermum roxburgianum</i>)-CARIMNSD, Cheruthuruthy	2016
2509.	Yavani (<i>Trachyspermum ammi</i> (L.) Sprague)-CARIMNSD, Cheruthuruthy	2016
2510.	Methika (<i>Trigonella foenum-graecum</i>)-CARIMNSD, Cheruthuruthy	2016
2511.	Tagara (<i>Valeriana wallichii</i>)-CARIMNSD, Cheruthuruthy	2016
2512.	Sarjarasa (<i>Vateria indica</i>)-CARIMNSD, Cheruthuruthy	2016



2513.	Usheera (<i>Vetivera zizanoides</i>)-CARIMNSD, Cheruthuruthy	2016
2514.	Masha (<i>Vigna mungo</i>)-CARIMNSD, Cheruthuruthy	2016
2515.	Mudgaparni (<i>Vigna pilosa</i>)-CARIMNSD, Cheruthuruthy	2016
2516.	Nirgundi (<i>Vitex negundo</i>)-CARIRD, Patiala	2016
2517.	Kaktikhta (<i>Vitex penduncularis</i>)-CARIDD,Kolkata	2016
2518.	Sunthi (<i>Zingiber officinale</i> Rosc.)-CARIMNSD, Cheruthuruthy, CARIDD, Kolkata, CARIRD, Patiala	2016
2519.	Kola (<i>Ziziphus jujube</i>)-CARIMNSD, Cheruthuruthy	2016
2520.	Jahar Mohara (Reserpine stone)- CSMDRIA, Chennai	2016

Compound Drug Study

There is also a need for standardization of the method of preparation processes of manufacture stage. As the classics give a formula for a unit quantity only once used to be prepared by the physicians themselves or under their personal supervision. It was also noticed that in few propagation one and two ingredient vary in component of the formulation. But with the present trends towards commercialization and mass manufacture, there is no guarantee that the proportion of individual drugs in the required quantities is being maintained. There is also a need to correlate the transformation of medicinal preparation in different stages by identifying certain charactersitic at particular step. Therefore standardization of finished product is also of vital necessity to ensure complying of given data in regards to organization characteristics and chemical circumstances. For this purpose Council has established a number of **Drug Standardization Units** and **three Preliminary Standardization Units**. The **Drug Standardization Units** were Chemistry departments of reputed Institutes and Colleges viz. National Chemical Laboratory (NCL), Poona (Now Pune), University College of Sciences, Osmania, University, Hyderabad, Delhi University, Delhi, University of Kerala, Trivandrum, University College of Science, Calcutta, Banaras Hindu University, Varanasi in 1969 while **three Preliminary Standardization Units-** 1. Capt. Srinivasamurathy Research Institute, Madras; 2. Department of Modern Pharmacy, Gujarat Ayurvedic University, Jamnagar; 3. Department of Dravyaguna, Institute of Medical Science Banaras Hindu University, Varanasi in 1970. In view of the application of **Drug and Cosmetic Act, 1940**, as amended in 1964 it has been decided that preliminary standards are to be worked out for formulation as well as the ingredients (single drugs) for entering the official pharmacopoeia. To make the implementation effective, the Council has taken steps to impart necessary orientation training to drug inspectors of different states. Since inception (from 1969 to 2016) **1369 samples** of the formulation/finished products has been standardized along with **356 samples (Annexure-VIII)**were considered for analytical standardization.

The Council has also coordinated analytical testing of six Ayurvedic Medicines viz. **Garbha Chintamani Ras, Garbh Dharak Yoga, Garbhupal Ras, Laxmana Loha, Ovarin & Pimento** for heavy metal testing & carried out analysis in CSMRIASDD, Chennai and PLIM, Ghaziabad -- to discuss and prepare a strong and credible defense in support of Ayurveda for Ayurvedic medicines containing high level of heavy metals(communiation received from Consul General Of India New York City & published inA Morbidity and Mortality Weekly Report (MMWR)on August 24,2012/61(33);641-646).

Seven formulations of Pharmacology programme allocation 2011-12(toxicity evaluation) viz. **Gandharvahasta taila, Ashwagandha churna, Narikela khanda, Sanjivani vati, Haridra khanda, Vatari guggul & Navayasa churna** has been standardized.



All formulation samples have been studied since inception are summarized in table 3.

Table 3: Compound formulations		
S.No	Formulation	Year
1	Agastya Rasayana-Captain Srinivasamurty Research Institute Adyar, Madras.	1970
2	Chayavaprash-CSRIAM	1970
3	Vasavaleha-CSRIAM	1970
4	Pachatikta Ghrita-CSRIAM	1970
5	Brahmi Ghrita-CSRIAM	1970
6	Pinda taila-CSRIAM	1970
7	Abhyarishta-Co-operative Drugs Factory, Ranikhet, Almora	1970
8	Amritarishta-CDF, Ranikhet	1970
9	Kumarayasava (A)-CDF, Ranikhet	1970
10	Kumarayasava (B)-CDF, Ranikhet	1970
11	Dasamoolarishta-CDF, Ranikhet	1970
12	Draksharishta-CDF, Ranikhet	1970
13	Agatya Rasayana-CDF, Ranikhet	1970
14	Chyavanaprash-CDF, Ranikhet	1970
15	Vasavaleha-CDF, Ranikhet	1970
16	Makradhwaja-CDF, Ranikhet	1970
17	Swarnavanga-CDF, Ranikhet	1970
18	Abhrakabhasma-CDF, Ranikhet	1970
19	Amritarishta-All India Institute of Medical Science, New Delhi.	1970
20	Abhyarishta-AIIM, New Delhi	1970
21	Dasamoolarishta-AIIM, New Delhi	1970
22	Draksharishta-AIIM, New Delhi	1970
23	Kumaryasava (A)-AIIM, New Delhi	1970
24	Kumaryasava (B)-AIIM, New Delhi	1970
25	Agastya Rasayana-AIIM, New Delhi	1970
26	Chyavanprash-AIIM, New Delhi	1970
27	Vasavaleha-AIIM, New Delhi	1970
28	Yogaraja Guggulu-AIIM, New Delhi	1970
29	Avipattikara-AIIM, New Delhi	1970
30	Bhaskar Lavana-AIIM, New Delhi	1970
31	Abhyarishta-Ayurveda Vikas Mandal Pharmacy, Jundagarh	1970
32	Kumarayasava (A)-AVMP, Junagarh	1970
33	Kumarayasava (B)-AVMP, Junagarh	1970
34	Amritharishta-AVMP, Junagarh	1970
35	Dasamoolarishta-AVMP, Junagarh	1970
36	Draksharishta-AVMP, Junagarh	1970
37	Yogaraja Guggulu-AVMP, Junagarh	1970
38	Anandabhairava rasa-AVMP, Junagarh	1970
39	Tribhuvankirti-AVMP, Junagarh	1970
40	Abhraka Bhasma-AVMP, Junagarh	1970
41	Swarnaparpati-AVMP, Junagarh	1970



42	Ksheerabala taila-Ayurveda Rasasala, Karve Road, Poona	1970
43	Panda taila-AR, Poona	1970
44	Agnitundi Vati-AR, Poona	1970
45	Lavangadi Vati-AR, Poona	1970
46	Avipattikara Churna-AR, Poona	1970
47	Bhaskara Lavana-AR, Poona	1970
48	Makradhwaja-AR, Poona	1970
49	Svarna Vanga-AR, Poona	1970
50	Svarna Parpati-AR, Poona	1970
51	Rasnadi Kashaya Churna-CAP, Bangalore	1970
52	Yogaraja Guggulu-CAP, Bangalore	1970
53	Avipattikara Churna-CAP, Bangalore	1970
54	Bhaskara Lavana-CAP, Bangalore	1970
55	Panchatikta Ghrita-CAP, Bangalore	1970
56	Brahmi Ghrita-CAP, Bangalore	1970
57	Kasheerabala Taila (Ordinary)-CAP, Bangalore	1970
58	Pinda Taila-CAP, Bangalore	1970
59	Anandabhairav Rasa-CAP, Bangalore	1970
60	Tribhuvanakirti Rasa-CAP, Bangalore	1970
61	Abhayarishtha-University of Kerala, Trivandrum	1970
62	Amritarishta-UK, Trivandrum	1970
63	Kumaryasava (A)-UK, Trivandrum	1970
64	Kumaryasava (B)-UK, Trivandrum	1970
65	Dasmoolarishta-UK, Trivandrum	1970
66	Agastya Rasayana-UK, Trivandrum	1970
67	Chyavanaprash-UK, Trivandrum	1970
68	Vasavaleha-UK, Trivandrum	1970
69	Rasnadi Kashaya-UK, Trivandrum	1970
70	Panchatikta Ghrita-UK, Trivandrum	1970
71	Brahmi Ghrita-UK, Trivandrum	1970
72	Draksharishta-UK, Trivandrum	1970
73	Rasnadikwatha churna -Captain Srinivasamurthy Research Institute, Madras	1970
74	Ksheerabala taila-CSRI, Madras	1970
75	Dasamoolarista-Department of Biochemistry University of Kerala, Trivandrum	1970
76	Parthadyarista-S.K.V.A. Pharmacy Trivandrum	1970
77	Punarnavasava-SKVA, Trivandrum	1970
78	Pipalyasava-SKVA, Trivandrum	1970
79	Jeerakadyarista-SKVA, Trivandrum	1970
80	Kanakasava-SKVA, Trivandrum	1970
81	Kumaryasava-AIIM, New Delhi.	1970
82	Sawrna parpati- DSRU-Junagadh	1974
83	Abhraka bhasma- DSRU-Junagadh	1974
84	Vogaraja guggulu- DSRU-Junagadh	1974
85	Tribuvankeerti rasa- DSRU-Junagadh	1974
86	Anandabhairava rasa-DSRU Junagarh	1974



87	Lohasowveera Bhasma– DSRE Vijayawada	1974
88	Abharaka bhasma– DSRE Vijayawada	1974
89	Tamra bhasma-DSRE, Vijayawada	1974
90	Sindura-DSRE, Vijayawada	1974
91	Saubhagya Sunthi avaleha	1975
92	Muktapisti-Standardization Research Unit, Jamnagar.	1975
93	Mritsan jivanisura-SRU, Jamnagar	1975
94	Swarana bhasma-SRU, Jamnagar	1975
95	Yavakshara-SRU, Jamnagar	1975
96	Manikyapisti-SRU, Jamnagar	1975
97	Swarna parpati-SRU, Jamnagar	1975
98	Muktadi mahanjana-SRU, Jamnagar	1975
99	Vatghnikumar rasa-SRU, Jamnagar	1975
100	Swarnavanga-SRU, Jamnagar	1975
101	Samerpannag rasa-SRU, Jamnagar	1975
102	Swarna sindoor-SRU, Jamnagar	1975
103	Swarnabhupati rasa-SRU, Jamnagar	1975
104	Kumariasava A-SRU, Jamnagar	1975
105	Vyakrant bhasma-SRU, Jamnagar	1975
106	Lakshaghatti guggulu-DSRU, Junagadh	1975
107	Yogaraj guggulu-DSRU, Junagadh	1975
108	Tribhuvan kirit rasa-DSRU, Junagadh	1975
109	Anand Bhairava rasa-DSRU, Junagadh	1975
110	Swarna parpati-DSRU, Junagadh	1975
111	Bhasma-Drug standardization research Enquiry, Vijayawada.	1975
112	Sindura-DSRE, Vijayawada	1975
113	AYUSH-DSRE, Vijayawada	1975
114	Talak bhasma-DSRE, Vijayawada	1975
115	Talak metal-DSRE, Vijayawada	1975
116	Swarnvanga-DSRE, Vijayawada	1975
117	Parade bhasma-DSRE, Vijayawada	1975
118	Mayurpicha bhasma-DSRE, Vijayawada	1975
119	Tamra bhasma-DSRE, Vijayawada	1975
120	Dashamularishta-Jawaharlal Nehru Ayurvedic Medical Plants Garden Herbarium and Museum, Pune	1976
121	Agastyarasayana-JNAMPGHM, Pune	1976
122	Chyavanaprashava-JNAMPGHM, Pune	1976
123	Vasavaleha-JNAMPGHM, Pune	1976
124	Abhraka bhasma-JNAMPGHM, Pune	1976
125	Vaisvanara curna-SRP-J	1977
126	Sitopaladi curna-SRP-J	1977
127	Gandhaka bhasma-SRP-Vijaywada	1977
128	Trijatakarka-SRP-Vijaywada	1977
129	Sati-SRP-Vijaywada	1977
130	Kanjika-SRP-Vijaywada	1977



131	Dadhi-manda-SRP-Vijaywada	1977
132	Ksharodaka-SRP-Vijaywada	1977
133	Mhayogaraja Guggulu -RRCB	1978
134	Manjistha quath churna -RRCB	1978
135	Ichabhedi Rasa -RRCB	1978
136	Saptamaritha Lauha -RRCB	1978
137	Kanchanar Guggulu-RRCB	1978
138	Chandramrita Rasa-RRCB	1978
139	Dhatri Loha-RRCB	1978
140	Yasada Bhasma-AU, Tarikhet	1978
141	Sringa Bhasma-AU, Tarikhet	1978
142	Abharaka Bhasma -AU, Tarikhet	1978
143	Yavakshara -AU, Tarikhet	1978
144	Kumarayarsava A -AU, Tarikhet	1978
145	Kumaryarsava B-AU, Tarikhet	1978
146	Trivanga Bhasma -AU, Tarikhet	1978
147	Makaradhwaja -AU, Tarikhet	1978
148	Swarnavanga-AU, Tarikhet	1978
149	Lavangadi Vati -DSRU-J	1978
150	Avipattikara Churna -DSRU-J	1978
151	Lavanga Bhaskar Churna -DSRU-J	1978
152	Anu Taila -RRI-T	1978
153	Agastya Rasayana-RRI-T	1978
154	Niragundi Taila-RRI-T	1978
155	Sahacharadi Taila-RRI-T	1978
156	Vasavaleha -RRI-T	1978
157	Dashamoolarista -RRI-T	1978
158	Pancha Tikta Chrita -RRI-T	1978
159	Dhanwantara Taila -RRI-T	1978
160	Rasanadi Kashaya Churna-RRI-T	1978
161	Lavangadi Vati -RRI-T	1978
162	Aragwadha Keram -RRI-T	1978
163	Patolamuladi Kwatha -RRI-T	1978
164	Sapta Sara Kwatha-RRI-T	1978
165	Dadimadi Dwatha -RRI-T	1978
166	Bilwadi Kwatha-RRI-T	1978
167	Dashamularista-RRI-T	1978
168	Kumaryasava A &B-RRI-T	1978
169	Chitrakadi Vati-RRI-T	1978
170	Shankha Vati-RRI-T	1978
171	Khadirati Vati-RRI-T	1978
172	Dhanwanthari Gutika-RRI-T	1978
173	Sanjivani Vati-RRI-T	1978
174	Rajah Pravarthini vati-RRI-T	1978
175	Gomdhara Hasta Taila-RRI-T	1978



176	Niragundi Taila-RRI-T	1978
177	Pravala Bhasma-DSREV	1978
178	Shankha Bhasma-DSREV	1978
179	Varatika Bhasma-DSREV	1978
180	Sukti Bhasma-DSREV	1978
181	Shringa Bhasma-DSREV	1978
182	Mukta Bhasma-DSREV	1978
183	Lavangadi Vati-DSRU-J	1978
184	Avipattikara Churna-DSRU-J	1978
185	Bhaskar Lavanga Churna -DSRU-J	1978
186	Ashokarista-CSMDRIA, Madras	1979
187	Jatyadi ghrita-CSMDRIA, Madras	1979
188	Sukumara ghrita-CSMDRIA, Madras	1979
189	Chandraprabhavti-CSMDRIA, Madras	1979
190	Dashamularishtam-CSMDRIA, Madras	1979
191	Narikela khanda-CSMDRIA, Madras	1979
192	Kantakari avaleha-CSMDRIA, Madras	1979
193	Kumarvasava A-CSMDRIA, Madras	1979
194	Kumarvasava B -CSMDRIA, Madras	1979
195	Dhanvanara Ghrita-CSMDRIA, Madras	1979
196	Punarnavadi Arista-CSMDRIA, Madras	1979
197	Drakshasava -CSMDRIA, Madras	1979
198	Ardrakhandavaleha-CSMDRIA, Madras	1979
199	Ashtangavaleha-CSMDRIA, Madras	1979
200	Puga Khanda (Loghu)-CSMDRIA, Madras	1979
201	Vyaghri Haritaki-CSMDRIA, Madras	1979
202	Asmarihara Kwath-CSMDRIA, Madras	1979
203	Angamarda Prashamana Kwath-CSMDRIA, Madras	1979
204	Chinnodbhavadi Kwath-CSMDRIA, Madras	1979
205	Darvyadi Kwath-CSMDRIA, Madras	1979
206	Guducyadi Kwath -CSMDRIA, Madras	1979
207	Arjuna Ghrita-CSMDRIA, Madras	1979
208	Agnimukha Churna-CSMDRIA, Madras	1979
209	Draksharista-RRI, Trivandrum	1979
210	Amritharista-RRI, Trivandrum	1979
211	Abhyarista-RRI, Trivandrum	1979
212	Sandhana prakriya-RRI, Trivandrum	1979
213	Kashaya paka-RRI, Trivandrum	1979
214	Anu tailam-RRI, Trivandrum	1979
215	Astanga lavana-RRI, Trivandrum	1979
216	Chittrakadi Vati-RRI, Trivandrum	1979
217	Dashamularista-RRI, Trivandrum	1979
218	Dhanwantara Ghrita -RRI, Trivandrum	1979
219	Dhanwantara Taila-RRI, Trivandrum	1979
220	Gandhara Hastadi Taila-RRI, Trivandrum	1979



221	Khadiradi Vati-RRI, Trivandrum	1979
222	Kumaryasava A -RRI, Trivandrum	1979
223	Kumaryasava B-RRI, Trivandrum	1979
224	Madhu Snui Rasayana-RRI, Trivandrum	1979
225	Nirovandi Taila-RRI, Trivandrum	1979
226	Rajahpravarthini Vati-RRI, Trivandrum	1979
227	Rasanadi Kashaya Churna-RRI, Trivandrum	1979
228	Sahacharadi Tailam-RRI, Trivandrum	1979
229	Sanjivani Vati-RRI, Trivandrum	1979
230	Shankha Vati-RRI, Trivandrum	1979
231	Shwasakuthara Rasa-RRC, Bangalore	1979
232	Chandramrita Rasa -RRC, Bangalore	1979
233	Pippalimoola churna -RRC, Bangalore	1979
234	AYUSH-55-RRC, Bangalore	1979
235	AYUSH-56-RRC, Bangalore	1979
236	AYUSH-57-RRC, Bangalore	1979
237	Hingula Shodhana	1980
238	Vangabhasma	1980
239	Ayush 55	1980
240	Ayush 56	1980
241	Ayush 57	1980
242	Rajahpravarthini vati-SRP-Jamnagar	1980
243	Khadiradi Gutika-SRP-Jamnagar	1980
244	Madhusnuhi Rasayana -RRI	1981
245	Pinda Taila -RRI	1981
246	Vasavaleha -RRI	1981
247	Dashamularista Taila-RRI	1981
248	Chitrakadi Vati -RRI	1981
249	Gandharvahasta Taila - RRI, SRP-J	1981
250	Pancha Tiktaka Ghrita- RRI	1981
251	Rasnaadikwatha Churna - RRI	1981
252	Dineshavalyadi Taila- RRI	1981
253	Dhanvanthara Taila - RRI, SRP-J	1981
254	Pippalyadi Taila - RRI	1981
255	Babbularista - RRI	1981
256	Hingvadi Taila	1981
257	Astangalavanah - RRI	1981
258	Vishnu Taila- RRI	1981
259	Marichadi Taila- RRI	1981
260	Kumaryasava-RRC	1981
261	Lakshmivilas Rasa - RRC	1981
262	Panchamritaloha Guggulu - RRC	1981
263	Astangavaleha -CSMDRIA	1981
264	Eranda Paka -CSMDRIA	1981
265	Ardrakhandavaleha -CSMDRIA	1981



266	Kalyanavaleha -CSMDRIA	1981
267	Viyaghri Haritaki-CSMDRIA	1981
268	Punarnavadyarista -CSMDRIA	1981
269	Brihat Ashwagandhaghrita -CSMDRIA	1981
270	Brihat Chagaldyaghrita-CSMDRIA	1981
271	Prachetana Vati-AU	1981
272	Amavatari Rasa -AU	1981
273	Gandhaka Rasayana -AU	1981
274	Langali Taila -SRP-J	1981
275	Laghusutashekara Rasa -SRP-J	1981
276	Sri Rama Bana Rasa-SRP-J	1981
277	Shringarabhra Rasa-SRP-J	1981
278	Tarakeshwara Rasa -SRP-J	1981
279	Jatyadi Taila -SRP-V	1981
280	Vamsha Lochana -SRP-V	1981
281	Gaduchi Satva-SRP-V	1981
282	Ayush 64-SRP-V	1981
283	Jalodar Rasa - RRCB	1982
284	Dasamula Taila - RRCB	1982
285	Asvagandha Taila- RRCB	1982
286	Pancamrita Loha Guggulu- RRCB	1982
287	Trivikrama Rasa - PSRUJ	1982
288	Anu Taila- PSRUJ	1982
289	Gandharva Hasta Taila- PSRUJ	1982
290	Arjuna Ghrta- PSRUJ	1982
291	Mustakarista- CSMDRIAM	1982
292	Draksadi Vati- CSMDRIAM	1982
293	Abhayavati- CSMDRIAM	1982
294	Hingavdi Taila- RRI-T	1982
295	Mahanarayana Taila- RRI-T	1982
296	Pippalyadi Taila- RRI-T	1982
297	Ksara Taila- RRI-T	1982
298	Maricyadi Taila- RRI-T	1982
299	Dineshavalayadi Taila- RRI-T	1982
300	Dhanvanthara Taila- RRI-T	1982
301	Pinda Taila- RRI-T	1982
302	Babularista- AUT	1982
303	Kant aloha Bhasam - AUT	1982
304	Abhraka Bhasma- AUT	1982
305	Svarna Maksika- AUT	1982
306	Rasa Sindura - AUT	1982
307	Manahsila- AUT	1982
308	Hartala- AUT	1982
309	Mariddara Shringa- AUT	1982
310	Sankha Jiraka- AUT	1982



311	Suddha Silajitu- AUT	1982
312	Suddha Tankana- AUT	1982
313	Saindhava Lavana- AUT	1982
314	Dhatura Patra Swarasa- AUT	1982
315	Arsakuthara Rasa- AUT	1982
316	Ganddaka Rasayana- AUT	1982
317	Purna Chandra rasa- AUT	1982
318	Paradadi Lepa - AUT	1982
319	Trivanga Bhasma- AUT	1982
320	Prachetana Vati	1982
321	Amavatari Rasa- AUT	1982
322	Dhanwantara Gutika - PSRUJ	1983
323	Khadiradi Gutika (Kasa) - PSRUJ	1983
324	Dasamula Taila-- PSRUJ	1983
325	Brihat Marichyadi Taila- RRCB	1983
326	Krimikuthara Rasa- RRCB	1983
327	Amavatari Rasa- RRCB	1983
328	Tarakeshwara Rasa - RRCB	1983
329	Paraedi Lepa- RRCB	1983
330	Chandanasava- CSMDRIAM	1983
331	Tamra Bhasama- AUT	1983
332	Pravala Bhasma- AUT	1983
333	Shringa Bhasma - AUT	1983
334	Manikya Bhasma - AUT	1983
335	Kaharua Pisti - AUT	1983
336	Akika Bhasma- AUT	1983
337	Lauh Bhasma- AUT	1983
338	Mukta Bhasma - AUT	1983
339	Naracha Rasa - AUT	1983
340	Raktapittantaka Lauh- AUT	1983
341	Navayasa Lauh - AUT	1983
342	Guduci Lauh - AUT	1983
343	Shatamoladga Lauh- AUT	1983
344	Sindooradya Malahar- AUT	1983
345	Paradadi Lepa- AUT	1983
346	Madhyama Narayana Taila- RRI-T	1983
347	Mahalakshadi Taila - RRI-T	1983
348	Kutaja Ghana Vati- RRI-T	1983
349	Ashvagandhya Churna- RRI-T	1983
350	Lavangadi Churna- RRI-T	1983
351	Agnimukh Churna- RRI-T	1983
352	Gangadhaar Churna- RRI-T	1983
353	Abhaya Vati - RRI-T	1983
354	Sarpagandha Taila - RRI-T	1983
355	Pippalyadi Taila - RRI-T	1983



356	Kshara Taila - RRI-T	1983
357	Hingvadi Taila - RRI-T	1983
358	Arsha Kuthara Rasa - RRI-T	1983
359	Lakshmvilasa Rasa - RRI-T	1983
360	Arsha kuthara Rasa - RRCB	1984
361	Tamra parpati-- RRCB	1984
362	Laghu Suta Shekhara Rasa- RRCB	1984
363	Nracha Rasa- RRCB	1984
364	Purua Chandra Rasa- RRCB	1984
365	Sri Rama Bana Rasa- RRCB	1984
366	Ghandhaka Rasayana rasa- RRCB	1984
367	Mritsan Jivanisura-SRP-V	1984
368	Gudhuchi Taila-SRP-V	1984
369	Ashvagandha Taila-SRP-J	1984
370	Dhanvanara Taila-SRP-J	1984
371	Jalodarari Rasa-SRP-J	1984
372	Kamadudha Rasa-SRP-J	1984
373	Panchamrita Loha Guggul-SRP-J	1984
374	Punarnavadi Guggul-SRP-J	1984
375	Sahacharadi Tailam--SRP-J	1984
376	Adrakhanddavaleha-SRP-J	1984
377	Kalyouavelaha-SRP-J	1984
378	Astangaveleha--SRP-J	1984
379	Brithat Chagaladhya Ghrita-SRP-J	1984
380	Brithat Ashvugandha Ghrita-SRP-J	1984
381	Brihat Marichyadi Taila- -SRP-J	1984
382	Lilavilas Rasa-AUT	1984
383	Shilajitvadi Lauha-AUT	1984
384	Yogaraj Lauha--AUT	1984
385	Mahajvarankusha Rasa-AUT	1984
386	Abhraka Bhasma-AUT	1984
387	Svarna Makshika Bhasma-AUT	1984
388	Roupya Makshika Bhasma-AUT	1984
389	Kharpara Bhasma-AUT	1984
390	Pinda Taila-RRI-T	1984
391	Dhrakshadi Vati-RRI-T	1984
392	Arka Vati-RRI-T	1984
393	Abhayavati-RRI-T	1984
394	Lavangadi Churna-RRI-T	1984
395	Agnimukha Churna-RRI-T	1984
396	Aravindasava-CSMDRIAM	1985
397	Dashamularaita-CSMDRIAM	1985
398	Chandanasava-CSMDRIAM	1985
399	Pipplyasava-CSMDRIAM	1985
400	Mridwikarista-CSMDRIAM	1985



401	Ashokarista-PSRUV	1985
402	Sringa Bhasma-PSRUV	1985
403	Trivanga Bhasma-PSRUV	1985
404	Naga Bhasma-PSRUV	1985
405	Vangabhasma-PSRUV	1985
406	Makaradhvaja-PSRUV	1985
407	Bahushala Guda-PSRUV	1985
408	Eranda Paka-PSRUV	1985
409	Trivikrama Rasa-RRCB	1985
410	Unmada Gajakesari Rasa-RRCB	1985
411	Vatagajankusha Rasa-RRCB	1985
412	Sringarabhra Rasa-RRCB	1985
413	Poorna Chandra Rasa-RRCB	1985
414	Chakramarda Keram-RRI-T	1985
415	Aragwadha Keram-RRI-T	1985
416	Lajjalu Keram-RRI-T	1985
417	Mushikadi Tailam-RRI-T	1985
418	Arka Vati-RRI-T	1985
419	Kutaja Ghana Vati-RRI-T	1985
420	Agnimukha Churna-RRI-T	1985
421	Pinda Tailam-A-RRI-T	1985
422	Ashvagandha Churna-RRI-T	1985
423	Drakshadi Vati-RRI-T	1985
424	Lavangadi Churna-RRI-T	1985
425	Gangadhaar Churna- RRI-T	1985
426	Ashtanga Lavana--RRI-T	1985
427	Dadimastaka Churna-RRI-T	1985
428	Abhayavati-RRI-T	1985
429	Madoora Bhasma-AUT	1985
430	Shringa Bhasma-AUT	1985
431	Karpoora-AUT	1985
432	Gadamala Khandan Rasa-AUT	1985
433	Yakrit Plihari Loha- AUT	1985
434	Manmathabhra Rasa-AUT	1985
435	Jvarankusha Rasa-AUT	1985
436	Tamraparpati-AUT	1985
437	Swarna Makshika-A- DSRPV	1986
438	Swarna Makshika-B - DSRPV	1986
439	Shringarabhra Rasa- CSMDRIAM	1986
440	Swarna Bhasma - CSMDRIAM	1986
441	Pravala Panchamarita Rasa- CSMDRIAM	1986
442	Sambukadyam Tailam- CSMDRIAM	1986
443	Brihat Chandrodaya Makaradhwaj- CSMDRIAM	1986
444	Krimikuthara Rasa- CSMDRIAM	1986
445	Nirodaya Rasa- DSRPJ	1986



446	Panchanana Rasa- DSRPJ	1986
447	Vajra Kapat Rasa- DSRPJ	1986
448	Yakuti Rasa- DSRPJ	1986
449	Rajata Bhasma- DSRPJ	1986
450	Svarna Makshika Bhasma- DSRPJ	1986
451	Sankha Dravaka- DSRPJ	1986
452	Lokanath Rasa- DSRPJ	1986
453	Krimikuthara Rasa- DSRPJ	1986
454	Hemanath- DSRPJ	1986
455	Triphala Churna- DSRPV	1986
456	Triphala Guggulu- DSRPV	1986
457	Dugha Vati- DSRPV	1986
458	Chandrakala Rasa- DSRPV	1986
459	Shankha Bhasma- CSMDRIAM	1986
460	Talisadya Churna- CSMDRIAM	1986
461	Indukanta Ghrita- RRCB	1986
462	Kutajarista- RRCB	1986
463	Arogyavardhii Vati- RRCB	1986
464	Bhrigaraja Taila- RRCB	1986
465	Somaraji Taila- A&UT	1986
466	Laxmivilas Rasa- A&UT	1986
467	Nayopayam Kvath Churna- RRI-T	1986
468	Samangadya Churna- RRI-T	1986
469	Dhamoola Kvatha Churna- RRI-T	1986
470	Kanakasava- RRI-T	1986
471	Dhamoola Katu Traya Kashyaya- RRI-T	1986
472	Maha shankha Vati- RRI-T	1986
473	Mridvikarista- RRI-T	1986
474	Chaturbhadra Kashaya- RRI-T	1986
475	Vyoshadi Guggulu- RRI-T	1986
476	Nripati Vallabha Rasa- CSMDRIAM	1987
477	Mritsanjivini Sura- CSMDRIAM, DSRPJ, DSRPV	1987
478	Dantadyarista- DSRPV	1987
479	Jaharmohara Pisti- DSRPJ	1987
480	Pippalyasava- CSMDRIAM	1987
481	Lohasava- CSMDRIAM	1987
482	Dasamularista- CSMDRIAM	1987
483	Mridvikarista- CSMDRIAM, RRI-T	1987
484	Vasaksava- CSMDRIAM	1987
485	Chandanasava- CSMDRIAM	1987
486	Mahalakshadi Taila- CSMDRIAM	1987
487	Hingvadi Taila- CSMDRIAM	1987
488	Ashvagandhadi Lehya- RRCB	1987
489	Ashokarista- RRCB	1987
490	Rajanyadi Churna- RRCB	1987



491	Arkavati- RRI-T	1987
492	Boladi Vati- RRI-T	1987
493	Parthadyarista- RRI-T	1987
494	Musali Churna- RRI-T	1987
495	Dasana Samskara Churna- RRI-T	1987
496	Kathphaladi Churna- RRI-T	1987
497	Drakshadi Vati- RRI-T	1987
498	Pinda Taila- RRI-T	1987
499	Mahashanka Vati- RRI-T	1987
500	Dantyadyarista- RRI-T	1987
501	Tribhuvana Kirti Rasa- AUT	1987
502	Samundradya Churna- AUT	1987
503	Bala Jirkadi Churna- AUT	1987
504	Gokshuradi Guggulu- AUT	1987
505	Lavangadi Vati- AUT	1987
506	Kravyada Rasa- AUT	1987
507	Yakrit Plihari Loha- AUT	1987
508	Jvrankusha Rasa- AUT	1987
509	Bhringraja Taila- RRCB	1988
510	Panchatikta Kvatha- RRCB	1988
511	Aroygavardhini Gutika- RRCB	1988
512	Kutajarista- RRCB	1988
513	Lokanath Rasa- DSRPJ	1988
514	Tamra Bhasma- DSRPJ	1988
515	Abhraka Bhasma- DSRPJ	1988
516	Amalakyadi Churna- DSRPJ	1988
517	Panchasama Churna- DSRPJ	1988
518	Talisadyam Churna- DSRPJ	1988
519	Eladi Ghrita- DSRPJ	1988
520	Somaraji Taila- DSRPJ	1988
521	Gokshuradi Guggulu- DSRPJ	1988
522	Nayopayuaam Kvath Churna - DSRPJ	1988
523	Arka Vati- DSRPJ	1988
524	Boladi Vati- DSRPJ	1988
525	Dashamula Kvath Churna- DSRPJ	1988
526	Parthadarista- DSRPJ	1988
527	Kanakasava- DSRPJ	1988
528	Samangadi Churna- DSRPJ	1988
529	Katphaladi Churna- DSRPJ	1988
530	Dasana samskara Churna- DSRPJ	1988
531	Maridvikarita- DSRPJ	1988
532	Musali Churna- DSRPJ	1988
533	Balajirakadi Kvatha Churna- DSRPJ	1988
534	Jvrankusha Rasa- DSRPJ	1988
535	Bla Rasa- DSRPJ	1988



536	Tamra Parpati- DSRPJ	1988
537	Lavangadi Vati- DSRPJ	1988
538	Panchagavya Ghrita- DSRPJ	1988
539	Ashoka Ghrita- DSRPJ	1988
540	Karpasathyadi Taila- DSRPJ	1988
541	Gojivadi Kvath- DSRPJ	1989
542	Mutra Virajaniya Kvath- DSRPJ	1989
543	Mutra Sangrana Kvath- DSRPJ	1989
544	Stanya Janak Kvath- DSRPJ	1989
545	Sambukadyam Tailam- DSRPJ	1989
546	Brihat Chandrodaya Makaradhwaj- DSRPJ	1989
547	Krimikuthara Rasa- DSRPJ	1989
548	Nirodaya Rasa- DSRPJ	1989
549	Panchanana Rasa- DSRPJ	1989
550	Vajra kapat Rasa- DSRPJ	1989
551	Yakuti Rasa- DSRPJ	1989
552	Rajata Bhasma- DSRPJ	1989
553	Svarna Makshika Bhasma- DSRPJ	1989
554	Sankha Dravaka- DSRPJ	1989
555	Lokanath Rasa- DSRPJ	1989
556	Krimikuthara Rasa- DSRPJ	1989
557	Hemanath- DSRPJ	1989
558	Triphala Churna- DSRPV	1989
559	Triphala Guggulu- DSRPV	1989
560	Dugha Vati- DSRPV	1989
561	Chandrakala Rasa- DSRPV	1989
562	Shankha Bhasma- CSMDRIAM	1989
563	Talisadya Churna- CSMDRIAM	1989
564	Indukanta Ghrita- RRCB	1989
565	Kutajarista- RRCB	1989
566	Arogyavardhii Vati- RRCB	1989
567	Bhrigaraja Taila- RRCB	1989
568	Somaraji Taila- A&UT	1989
569	Laxmivilas Rasa- A&UT	1989
570	Nayopayam Kvath Churna- RRI-T	1989
571	Samangadya Churna- RRI-T	1989
572	Dhamoola Kvatha Churna- RRI-T	1989
573	Kanakasava- RRI-T	1989
574	Dhamoola Katu Traya Kashyaya- RRI-T	1989
575	Maha Shankha Vati- RRI-T	1989
576	Mridvikarista- RRI-T	1989
577	Chaturbhadra Kashaya- RRI-T	1989
578	Vyoshadi Guggulu- RRI-T	1989
579	Mutra Virechaniya Kvath- DSRPJ	1990
580	Mutra Sangrahna Kvath- DSRPJ	1990



581	Stanya Janaka Kvath- DSRPJ	1990
582	Krimikuthara Rasa- DSRPJ	1990
583	Nirodaya Rasa- DSRPJ	1990
584	Panchanana Rasa- DSRPJ	1990
585	Vijra kapata Rasa- DSRPJ	1990
586	Yakuti Rasa- DSRPJ	1990
587	Dashamula Kvatha Churna- CSMDRIA	1990
588	Dashmula Taila- CSMDRIA	1990
589	Lokanath Rasa- DSRPJ	1990
590	Krimikuthara Rasa- DSRPJ	1990
591	Hemant Rasa- DSRPJ	1990
592	Rajata Bhasma- DSRPJ	1990
593	Svarna Makshika Bhasma- DSRPJ	1990
594	Abhraka Bhasama- A&UT	1990
595	Kanakasava- A&UT	1990
596	Laxmivilas Rasa- A&UT	1990
597	Bhringaraja Taila, I,II,III & IV- A&UT	1990
598	Indukanta Ghrita- RRCB	1990
599	Amritotara Kvatha Churna- DSRPV	1990
600	Ardhabilva Kvatha Churna- DSRPV	1990
601	Darunagardi Kvatha Churna - DSRPV	1990
602	Chaturjata Churna - DSRPV	1990
603	Pushyanuga Churna - DSRPV	1990
604	Nalpamaradi Keram- RRI-T	1990
605	Samangadi Churna - RRI-T	1990
606	Vyoshadi Guggulu- RRI-T	1990
607	Kutajarista- RRI-T	1990
608	Musta Churna - RRI-T	1990
609	Lodhrasava- RRI-T	1990
610	Dashamularaista- CSMDRIA	1990
611	Dashamula kvatha Churna - CSMDRIA	1990
612	Dashamula Taila- CSMDRIA	1990
613	Langali Churna - CSMDRIA	1990
614	Balarista- RRI-T	1991
615	Parthadyarista- RRI-T	1991
616	Samangadicurna- RRI-T	1991
617	Chatuerbhadra Kvatha- RRI-T	1991
618	Dashmula- RRI-T	1991
619	Katuraya Kvatha- RRI-T	1991
620	Kushmanda Rasayana- RRI-T	1991
621	Cangeri Ghrita- RRI-T	1991
622	Nalpamaradi Taila- RRI-T	1991
623	Prabhakara Vati- RRI-T	1991
624	Pranmada Gutika- RRI-T	1991
625	Jvarayabhira Rasa- RRI-T	1991



626	Vyoshadi Guggulu- RRI-T	1991
627	Parthadyarista-RRI-T	1991
628	Jwararybhra Rasa- RRI-T	1991
629	Nalpamaradi Kera Taila- RRI-T	1991
630	Smangadi Curna- RRI-T	1991
631	Abhayarista- RRI-T	1991
632	Amritarista- RRI-T	1991
633	Ashokarista- RRI-T	1991
634	Balarista- RRI-T	1991
635	Candanasava- RRI-T	1991
636	Dashamularista- RRI-T	1991
637	Jirkarista- RRI-T	1991
638	Khadirarista- RRI-T	1991
639	Kumaaryasava- RRI-T	1991
640	Kutajarista - RRI-T, RRCB	1991
641	Lohasava- RRI-T	1991
642	Mustakarista- RRI-T	1991
643	Parthadyarista- RRI-T	1991
644	Punarnavasava- RRI-T, DSRPJ	1991
645	Panchanana rasa- DSRPJ	1991
646	Vijra kapata rasa- DSRPJ	1991
647	Yakuti rasa- DSRPJ	1991
648	Dashamula kvatha Churna - CSMDRIA	1991
649	Dashmula Taila- CSMDRIA	1991
650	Lokanath Rasa- DSRPJ	1991
651	Krimikuthara Rasa- DSRPJ	1991
652	Hemant Rasa- DSRPJ	1991
653	Rajata Bhasma- DSRPJ	1991
654	Svarna Makshika Bhasma- DSRPJ	1991
655	Abhraka Bhasama- A&UT	1991
656	Kanakasava- A&UT	1991
657	Laxmivilas Rasa- A&UT	1991
658	Bhringaraja Taila, I,II,III & IV- A&UT	1991
659	Indukanta Ghrita- RRCB	1991
660	Amritotara Kvatha Churna- DSRPV	1991
661	Ardhabilva Kvatha Churna - DSRPV	1991
662	Darunagardi Kvatha Churna - DSRPV	1991
663	Chaturjata Churna - DSRPV	1991
664	Pushyanuga Churna- DSRPV	1991
665	Nalpamaradi Keram- RRI-T	1991
666	Samangadi Churna - RRI-T	1991
667	Vyoshadi Guggulu- RRI-T	1991
668	Kutajarista- RRI-T	1991
669	Musta churna- RRI-T	1991
670	Lodhrasava- RRI-T	1991



671	Dashamularaista - CSMDRIA	1991
672	Dashamula Kvatha Churna - CSMDRIA	1991
673	Dashamula Taila- CSMDRIA	1991
674	Langali Churna - CSMDRIA	1991
675	Chandra Pabha Vati -CSMDRIA	1992
676	Chandra Pabha Vati without guggulu -CSMDRIA	1992
677	Chandra Pabha Vati without Shilajit-CSMDRIA	1992
678	Neem oil-DSRPV	1992
679	Guggulu Shodana -DSRPV	1992
680	Kutajarista-DSRPV	1992
681	Kaphaketu Rasa II, III -RRCB	1992
682	Kesari Jeevana (Market sample of Zandu Pharmacy)-RRCB	1992
683	Swamala (Market sample of Dhootapapeshwara)-RRCB	1992
684	Kushamanda Rasayana-RRI-T	1992
685	Balarista -RRI-T	1992
686	Changesi Ghrita-RRI-T	1992
687	Chatur Bhadra Kvatha-RRI-T	1992
688	Samangadi Churna-RRI-T	1992
689	Kantakaryavaleha-IIDRA	1992
690	Jvarasani Rasa-DSRPJ	1992
691	Nalpamradi Taila- DSRPT	1994
692	Parrharishta-DSRPT	1994
693	Kusmanda Rasayan-DSRPT	1994
694	Vasavaleha-OSRPV	1994
695	Bhaskar Lavan Churna- DSRPV	1994
696	Indukant Ghrita - RRC-B	1994
697	Ashwagandha Leh- RRC-B	1994
698	Chandraprabha Vati- DSRP-V, CSMDRIA	1994
699	Balarishta-CSMORIA	1994
700	Abhrak Bhasma-CSMDRIA	1994
701	Lohabharak Bhasma- CSMDRIA	1994
702	Kaseesa Bhasma - CSMDRIA	1994
703	Kajjali- CSMDRIA	1994
704	Rajanyadi Churna	1995
705	Tailsadi Churna	1995
706	Pancha Tikta Kwath-RRC-B	1995
707	Ashwagandha Leh- RRC-B	1995
708	Kantakari Avaleha- DSRP-V	1995
709	Gagan Sunder Rasa-DSRP-V	1995
710	Manmatabhra Rasa -DSRP-V	1995
711	Pranada Gutika - RRI-T	1995
712	Ayush-64 - DSRP-V	1995
713	Balarishta - CSMDRIA	1995
714	Ashwagandharishta- DSRP-V	1995
715	Changeri Ghritam- RRI-T	1995



716	Laghu vishgarbha Taila - CSMDRIA	1995
717	Narayan Taila	1995
718	Ayush 64- CSMDRIA	1995
719	Citrakadi vati-CSMDRIA-C	1996
720	Bhringaraja Taila-DSRP-J	1996
721	Citrak Haritaki-DSRP-J	1996
722	Yogaraj Guggulu-DSRP-J	1996
723	Pancatikta Kwatha-RRC-B	1996
724	Kutajarista-RRC-B	1996
725	Amritotar Kwatha-DSRP-V	1996
726	Darungaradi Kwatha-DSRP V	1996
727	Agnitundi Vati-RRI-T	1997
728	Kanaksava-RRI-T	1997
729	Kutajarista-RRC-B	1997
730	Citrak Haritaki-DSRP-J	1997
731	Dasmool Kaduthraya Kwatha-RRI T	1997
732	Vyosadi Guggulu-RRI-T	1997
733	Samangadi Curna-RRI-T	1997
734	Prabhakar Vati-RRI-T	1997
735	Sankha Bhasma-RRCB	1998
736	Kapardika Bhasma-RRCB	1998
737	Sringa Bhasma-RRCB	1998
738	Pranada Gutika-RRI-T	1998
739	Balarista- RRI-T	1998
740	Cangeri Ghrita- RRI-T	1998
741	Prabhakara Vati- RRI-T	1998
742	Kumanda Rasyanam-RRI-T	1998
743	Vasacandanadi Taila-RRCB	1998
744	Bhasma Parpam-DSRU	1999
745	Nandukkal Parpam-DSRU	1999
746	Kalnar Parpam-DSRU	1999
747	Annabhedi Parpam-DSRU	1999
748	Apperaka Parpam-DSRU	1999
749	Padikara Parpam-DSRU	1999
750	Thaka Parpam-RRI, T	1999
751	Kharadanta Bhasma-DSRU	1999
752	Chukku Thailam-RRI, T	1999
753	Karappan Thailam-RRI,T	1999
754	Puga Thailam-RRI, T	1999
755	Valakesari Thailam-RRI, T	1999
756	Wirana Sanjeevi Thailam-RRI, T	1999
757	Mayana Thailam-RRI, T	1999
758	Arakku Thailam-RRI, T	1999
759	Ullunthu Thailam-RRI, T	1999
760	Purna Chandrodayam-RRI, T	1999



761	Anandha Bhairvam -RRI, T	1999
762	Ashta Bhairavam-RRI, T	1999
763	Sulai Kudaram-RRI, T	1999
764	Paccha Karpoora Marthirai -RRI, T	1999
765	Kungumppo Marthirai-RRI, T	1999
766	Visha Kuzhambli -RRI, T	1999
767	Omatheener -RRI, T	1999
768	Pirami Ney-RRI, T	1999
769	Idivallathi-RRI, T	1999
770	Nandi Mezhugu-RRI, T	1999
771	Triphala Guggulu- CSMDRIA	1999
772	Panchakola Curna-CSMDRIA	1999
773	Ajamodarka -DSRP	1999
774	Jatamansyarka-DSRP	1999
775	Satapuspaka-DSRP	1999
776	Arjunarista- DSRU	1999
777	Talisadi Churna-DSRP	1999
778	Amalkya Churna-DSRP	1999
779	Mukta Shukti-DSRP	1999
780	Sitopaladi Curna-DSRP	1999
781	Laghulai Curna-DSRPJ	2000
782	Pancha Nimbha Curna-DSRPJ	2000
783	Lavangadi Curna -DSRPJ	2000
784	Ajmodadi Curna -DSRPJ	2000
785	Musali Curna -CSMDRIAC	2000
786	Chandanadi Curna -CSMDRIAC	2000
787	Vidangadi Curna -CSMDRIAC	2000
788	Chitrakadi Curna -DSRPJ	2000
789	Hingvastaka-DSRPJ	2000
790	Chandrodaya Vati-DSRPJ	2000
791	Uppu Chenduram-RRIB	2000
792	Thazhampoo Marthirai-RRI-T	2000
793	Kummatti mezhugu-RRI-T	2000
794	Rajarajeswaram-RRI-T	2000
795	Vishnu Chakram-RRI-T	2000
796	Sombu Theeneer-RRI-T	2000
797	Sanjeevi Mathirai-RRI-T	2000
798	Parangi Pattai Pathangam-RRI-T	2000
799	Vatha Raakhasan-RRI-T	2000
800	Velli Parpam-RRI-T	2000
801	Agathyar Kuzhabu-RRI-T	2000
802	Murukkan Vidai Marthirai-RRI-T	2000
803	Vasantakusumakara-RRI-T	2000
804	Kasthoori Karuppu-RRI-T	2000
805	Pattukkaruppu-RRI-T	2000



806	Mahaveera Mezhugu-RRI-T	2000
807	Amrutadi Kuligai-RRI-T	2000
808	Poora Mathirai-RRI-T	2000
809	Meganatha Kulikai-RRI-T	2000
810	Gunma Kudori-RRI-T	2000
811	Pancha Lavana Parpam-RRI-T	2000
812	Velli Chenduram-CSMDRIAC	2000
813	Katikkarae Cenduram-CSMDRIAC	2000
814	Parankippattai Curna-CSMDRIAC	2000
815	Godanti Bhasma-CSMDRIAC	2001
816	Shankha Bhasma- RRIB	2001
817	Hastidanta Bhasma(Teeth and tusk)-RRIB	2001
818	Hinguvadi Curna	2001
819	Palasavadi Curna	2001
820	Shirishadi Kvatha Curna-CSMDRIAC	2001
821	Palasavadi Curna-CSMDRIAC	2001
822	Chitrakadi Curna-CRIL	2001
823	Talisadi Curna-CRIL	2001
824	Trikatu Curna-CRIL	2001
825	Nimbadi Curna-CRIL	2001
826	Balchatur Bhadraka Curna-CRIL	2001
827	Yavani Curna- CRIL	2001
828	Rajanyadi Curna-CRIL	2001
829	Brihat Gangadhara Curna-RRI-T	2001
830	Hinguvacadi Curna-DSRUJ	2001
831	Brahmi Thailam-CSMDRIAC	2001
832	Ksheerabala Taila-CRIK	2001
833	Murchit Taila-CRIK	2001
834	Tila Taila-CRIK	2001
835	Dasmoolabala Taila-CRIK	2001
836	Indukanta Ghrita- RRCB	2001
837	Bhallataka Rasayana-CSMDRIAC	2001
838	Swasakesari capsule - CSMDRIA	2001
839	Pippalyadi Yoga-CSMDRIA	2001
840	Mahisha Sringa Bhasma- RRI, Bangalore	2002
841	Shankhanabhi Bhasma- RRI, Bangalore	2002
842	Shukti Bhasma- RRI, Bangalore	2002
843	Vaiswanar Curna (2 samples, prepared as per Ashtanga Hridaya and AFI)- RRI, Trivandrum	2002
844	Sringyadi Curna - RRI, Trivandrum	2002
845	Samangyadi Curna- RRI, Trivandrum	2002
846	Bhaskar Lavan Curna- RRI, Trivandrum	2002
847	Samaskara Curna- CSMDRIA, Chennai	2002
848	Sarasvata Curna- CSMDRIA, Chennai	2002
849	Gandhak Rasayan- DSRU, Jamnagar	2002



850	Pippalyadi Yoga-CSMDRIA, Chennai	2002
851	Samasarkara Curna-CSMDRIA, Chennai	2002
852	Saraswat Curna-CSMDRIA, Chennai	2002
853	Ayush KVM Syrup-CRI, Kolkata; CSMDRIA, Chennai	2002
854	Ayush VRG Tablet--CRI, Kolkata	2002
855	Ayush ADE Tablets-CRI, Kolkata	2002
856	Ayush PK Avaleha-CRI, Kolkata; CSMDRIA, Chennai	2002
857	Ayush GC tablets-CRI, Kolkata	2002
858	Ayush B.R.Leham-CRI, Kolkata	2002
859	Ayush LND Tablets-CRI, Kolkata; CSMDRIA, Chennai	2002
860	Ayush AG tablets-CRI, Kolkata; CSMDRIA, Chennai	2002
861	Ayush UT Powder-CRI, Kolkata; CSMDRIA, Chennai	2002
862	Ayush KD Powder-CRI, Kolkata; CSMDRIA, Chennai	2002
863	Ayush SS granule-CRI, Kolkata; CSMDRIA, Chennai	2002
864	Ayush PG tablets-CRI, Kolkata; CSMDRIA, Chennai	2002
865	Ayush BC tablets-CRI, Kolkata; CSMDRIA, Chennai	2002
866	Ayush SDM tablets-CRI, Kolkata; CSMDRIA, Chennai	2002
867	Srishadi Kwatha Churna- CSMDRIA, Chennai	2002
868	Swasakesari powder (2 batches)- CSMDRIA, Chennai	2002
869	Bal Rakshak Ghutti- CSMDRIA, Chennai	2002
870	Ayush Ghutti (5 batches)- CSMDRIA, Chennai	2002
871	Ayush B.L.Oil-CRI, Kolkata;	2002
872	Draksharista(CSMDRIAC)	2003
873	Khadirarist(CSMDRIAC)	2003
874	Abhayarist (CRIL)	2003
875	Amritarist (CRIL)	2003
876	Nimbadi Kwath Curna - CSMDRIAC	2003
877	Naracha Curna- RRI-T	2003
878	Bhaskar Lavan Curna- RRI-T	2003
879	Rasanadi Kwath Curna- RRI-T	2003
880	Srngyadi Curna- RRI-T	2003
881	Dasanasamskara Curna - RRI-T	2003
882	Vaiswanara Curna- RRI-T	2003
883	Amrotottara Curna- CRIL	2003
884	Talisadi Curna (three sample)- CRIL	2003
885	Triphala Curna (Two sample)- CRIL	2003
886	Satavari Guda- CRIL	2003
887	Kantakari Avaleha- CRIL	2003
888	Hinguvastaka Curna-RRI-T	2004
889	Hutabhuyadi Curna -RRI-T	2004
890	Saptasara Kwatha Curna -RRI-T	2004
891	Vasaguduchyadi Kwatha Curna -RRI-T	2004
892	Punarnavadi Kwatha Curna-RRIB	2004
893	Punarnavavastaka Kwatha Curna -RRIB	2004
894	Balajeerakadi Kwatha Curna -RRIB	2004



895	Yavanyadi Curna -RRIB	2004
896	Rajanyadi Curna -RRIB	2004
897	Vaiswanara Curna -RRIB	2004
898	Mustakaranjadi Curna -RRIB	2004
899	Amrtottara Kwatha Curna -CRIL	2004
900	Ardha Bilva Kwatha Curna -CRIL	2004
901	Ashtavarga Kwatha Curna -CRIL	2004
902	Chaturbhadra Kwatha Curna -CRIL	2004
903	Chhinnobhavadi Kwatha Curna -CRIL	2004
904	Chaturjata Curna -CRIL	2004
905	Talisadi Curna -CRIL	2004
906	Triphala Curna -CRIL	2004
907	Sitopaladi Curna-DSRPJ	2004
908	Draksharista-CSMDRIAC	2004
909	Kadirarista-CSMDRIAC	2004
910	Abhayarista-CRIL	2004
911	Amritarista- CRIL	2004
912	Chandanasava- CRIL	2004
913	Arjunarista- DSRPJ, RRI-T	2004
914	Triphala Shodita Guggulu- CSMDRIAC	2004
915	Gandhaka Rasayana - CSMDRIAC	2004
916	Praval Pisti - CSMDRIAC	2004
917	Ayush Facepack - CSMDRIAC	2004
918	Ayush ADE Candy - CSMDRIAC	2004
919	Cancer Gaja Kesari Rasa - CSMDRIAC	2004
920	Punarnava Arka - CSMDRIAC	2004
921	Netra Sudarshana Arka- CSMDRIAC	2004
922	Ayush-56- CRIK	2004
923	Anti-stress drug under-ASCT	2004
924	Nutraceuticals viz. Pauha- DSRPJ	2004
925	Tila Taila -CSMDRIAC	2004
926	Sitopaladi Churna- RRI-T	2005
927	Hingvastava Churna - RRI-T	2005
928	Hutabhugadi Churna - RRI-T	2005
929	Rasnairandadi Kvatha Churna - RRI-T	2005
930	Tryantyadi - RRI-T	2005
931	Maharasnadi- RRI-T	2005
932	Vidaryadi- RRI-T	2005
933	Bhaskar Lavana- RRIB	2005
934	Srngyadi- RRIB	2005
935	Samangadi- RRIB	2005
936	Amrtottara Kvatha Churna - CRIL	2005
937	Ardhabilva -CRIL	2005
938	Ashtavarga-CRIL	2005
939	Chaturbhadra- CRIL	2005



940	Chhinnodbhavadi -CRIL	2005
941	Gandarbhastadi- CRIL	2005
942	Chandanadi Churna-CRIL	2005
943	Chaturjata-CRIL	2005
944	Chitrakadi-CRIL	2005
945	Jatiphaladi-CRIL	2005
946	Talisadi-CRIL	2005
947	Trikatu-CRIL	2005
948	Trutyadi-CRIL	2005
949	Triphala-CRIL	2005
950	Madhumehari-CRIL	2005
951	Shirishadi Kvatha-CSMDRIAC	2005
952	Amlakyadi- CRIK	2005
953	Avipattikara Churna- CRIK	2005
954	Arogyabardhini Churna/Vati- CRIK	2005
955	Chandraprava- CRIK	2005
956	Swetparpati- CRIK	2005
957	Abhayarista-CRIL	2005
958	Amritarista-CRIL	2005
959	Chandanasava-CRIL	2005
960	Draksharista-CSMDRIAC	2005
961	Kadirarista- CSMDRIAC	2005
962	Vasavalehya- RRIB	2005
963	Sarsapadi Prelap- RRIB	2005
964	Medohara Yoga- RRIB	2005
965	Sleepadari Rasa-CRIK	2005
966	Pippalyadi Yoga-CRIK	2005
967	Pippali+Punaranava + Triphala(Cap.)-CRIK	2005
968	Vaca+Brahmi Ghanasatva (Cap)-CRIK	2005
969	Haridra Khanda-CRIK	2005
970	Ayush-56 (new Batches)-CRIK	2005
971	Cancer Gaja Kesari-CSMDRIAC	2005
972	Ayush –Poshak Yoga-CSMDRIAC	2005
973	Punarnavadi Mandur-CSMDRIAC	2005
974	Parijata Patra Powder-CSMDRIAC	2005
975	Parijata Patra Ghanvati-CSMDRIAC	2005
976	Swas kesari (cap)-CSMDRIAC	2005
977	Vrikshamalyadi Yoga-CSMDRIAC	2005
978	Tila Taila-CSMDRIAC	2005
979	Ayush-M Nasal drops--CSMDRIAC	2005
980	Ayush –Rasayana A (also contents of heavy metals Pb, Cd & Hg)-CSMDRIAC	2005
981	Ayush-Rasayana B-CSMDRIAC	2005
982	Ayush-RP-CSMDRIAC	2005
983	Ayush- Osto-CSMDRIAC	2005
984	Ayush-LIV-CSMDRIAC	2005



985	Ayush-SL (internal)-CSMDRIAC	2005
986	Ayush-SL Lepa (external)-CSMDRIAC	2005
987	Ayush-Manas-CSMDRIAC	2005
988	Ayush-QOL-2-CSMDRIAC	2005
989	Saptasara Kasaya Curna-DSRPJ	2006
990	Ajmodadi Curna-CRIK	2006
991	Balajeerakadi Kvatha Curna-RRIB	2006
992	Vaisvarnara Curna -RRIB	2006
993	Rajanyadi Curna -RRIB	2006
994	Brihat Gangadhara Curna -RRIB	2006
995	Bhaskara Lavana Curna -RRIB	2006
996	Vasavalehya-RRIB	2006
997	Aragvardhadi Kvatha Curna -CRIL	2006
998	Chandanadi Curna -CRIL	2006
999	Chitrakadi Curna -CRIL	2006
1000	Triphala Curna -CRIL	2006
1001	Trikatu Curna -CRIL	2006
1002	Drakshadi Curna- CRIL	2006
1003	Hingvadi Curna -RRI-T	2006
1004	Vasaguducyadi Kvatha Curna -RRI-T	2006
1005	Saptasara Kvatha Curna -RRI-T	2006
1006	Hingvacadi Curna -RRI-T	2006
1007	Pancasama Curna -CSMDRIAC	2006
1008	Balacaturbhadrika Curna -CSMDRIAC	2006
1009	Chopchini Curna -CSMDRIAC	2006
1010	Arogyavardhani Vati-CSMDRIAC	2006
1011	Aswagandha Curna -CSMDRIAC	2006
1012	Mandowaghar Curna -CRID	2006
1013	Arjunaristha DSRPJ	2006
1014	Vidangarista RRI-T	2006
1015	Punarnava Mandur-CRIK	2006
1016	Pippali+Punarnava + Triphala-CRIK	2006
1017	Vaca+Brahmi Ghanasatva-CRIK	2006
1018	Sweta parpati-CRIK	2006
1019	Brahmadi yoga-CRIK	2006
1020	Bhallataka Rasayana-RRIB	2006
1021	Yavani Sandhav-RRIB	2006
1022	Rasnadilepa Curna-CRIL	2006
1023	Tribhuvan Kirti Rasa-CSMDRIAC	2006
1024	Swasa Kuthar Rasa-CSMDRIAC	2006
1025	Sutsekhar Rasa-CSMDRIAC	2006
1026	Rasmanikya Rasa-CSMDRIAC	2006
1027	Rasakarpura-DSRPJ	2006
1028	Nagasindura-DSRPJ	2006
1029	Madhucchista-DSRPJ	2006



1030	Rasasindura-DSRPJ	2006
1031	VBAS-CRID	2006
1032	DM-II-CRID	2006
1033	NTBK-CRID	2006
1034	Atisar har yog-CRID	2006
1035	Ozobardhak vati-CRID	2006
1036	Saptsara Kvatha Churna (batch-III)-RRI-T	2007
1037	Trayantyadi Kvatha Churna (batch-II)-RRI-T	2007
1038	Lohasava (batch-I)-RRI-T	2007
1039	Rasnairandadi Kvatha Churna (batch-II)-RRI-T	2007
1040	Samudradya Kvatha Churna (batch-I)-RRI-T	2007
1041	Amritottara Kvatha Churna -CRIL	2007
1042	Ardhabilva Kvatha Churna -CRIL	2007
1043	Ashtavarga Kvatha Churna -CRIL	2007
1044	Aragvardhadi Kvatha Churna -CRIL	2007
1045	Gandharvahastadi Kvatha Churna -CRIL	2007
1046	Chaturbhadradi Kvatha Churna -CRIL	2007
1047	Chinnodbhavadi Kvatha Churna -CRIL	2007
1048	Chaturjata Churna -CRIL	2007
1049	Jatiphaladya Churna-CRIL	2007
1050	Talisadi Churna-CRIL	2007
1051	Mustakaranjadi Kvatha Churna -RRIB	2007
1052	Samangadi Churna -RRIB	2007
1053	Sringyadi Churna -RRIB	2007
1054	Saptasara Kashaya churna-DSRPJ	2007
1055	Navayasa Churna (batch-I, II & III)-CSMDRIASC	2007
1056	Nimbadi Churna (batch-I)-CSMDRIASC	2007
1057	Panchasama Churna (batch-IV)-CSMDRIASC	2007
1058	Ashvagandha Churna-CSMDRIASC	2007
1059	Mahanarayana Tailam-CSMDRIASC	2007
1060	Amritarishta-CRIL	2007
1061	Chandanasava-CRIL	2007
1062	Dhatri lauha-CRIK	2007
1063	Annabhedi chendooram-CRIK	2007
1064	Sarshapadi pralepa-RRIB	2007
1065	Bhallataka Rasayana-RRIB	2007
1066	Brahma Rasayana-RRIB	2007
1067	Honey bee wax (Madhucchista)-DSRPJ	2007
1068	Honey-CSMDRIASC	2007
1069	Vettumaran Gutika-CSMDRIASC	2007
1070	Yogaraja Guggulu-CSMDRIASC	2007
1071	Ayabhringaraja Karpum-CSMDRIASC	2007
1072	Haridra Khanda (batch-I)-CSMDRIASC	2007
1073	Drakshavleha (batch-I, II, III & IV)-CSMDRIASC	2007
1074	Shothghna lepa (batch-I & II)-CSMDRIASC	2007



1075	Vyoshadi guggulu -CSMDRIASC	2007
1076	Vasantakusumakara Rasa-CSMDRIASC	2007
1077	Linga chenduram-CSMDRIASC	2007
1078	Ayaveera chenduram-CSMDRIASC	2007
1079	Chandanadi Curna-CRIL	2008
1080	Chaturjat Curna -CRIL	2008
1081	Rasnadi Kwath Curna -CRIL	2008
1082	Gandharva Hastadi Kwath Curna -CRIL	2008
1083	Chaturbhadra Kwath Curna-CRIL	2008
1084	Talisadi Curna-CRIL	2008
1085	Ardhbilva Kwath Curna-CRIL	2008
1086	Chhinnodbhawadi Kwath Curna-CRIL	2008
1087	Ashtaverg Kwath Curna-CRIL	2008
1088	Amrittottar Kwath Curna-CRIL	2008
1089	Chaturbhadra Kwath Curna-CRIL	2008
1090	Drakshadi Curna-CRIL	2008
1091	Navayasa Curna (batch IV & V)-CSMDRIA & S	2008
1092	Balachaturbadrika Curna (batch IV & V)-CSMDRIA & S	2008
1093	Pancasama Curna (batch V)-CSMDRIA & S	2008
1094	Patoladi kwath Curna (batch II)-CSMDRIA & S	2008
1095	Narsimha Curna (batch I & II)-CSMDRIA & S	2008
1096	Kutajavaleha (batch I)-RRI-T (DR)	2008
1097	Naracha Curna (batch I, II & III)-RRI-T (DR)	2008
1098	Karpuradi Curna (batch I & II)-RRI-T (DR)	2008
1099	Punarnavastaka Kwatha Curna (batch- III)-RRIB	2008
1100	Musta karanjadi Kwatha Curna (batch III)-RRIB	2008
1101	Bhaskaralavana Curna (batch III)-RRIB	2008
1102	Brihat gangadhara Curna (batch-III)-RRIB	2008
1103	Sringyadi Curna (batch -III)-RRIB	2008
1104	Punarnavadi Kwatha Curna (batch -III)-RRIB	2008
1105	Balarishta (batch- IV)-RRIB	2008
1106	Vasavalehya (batch- IV & V)-RRIB	2008
1107	Neem Oil-RRI-T (DR)	2008
1108	CARCTOL (batch -I)-NRIADD, CSMDRIA & S	2008
1109	Ayush CARD (batch -I)-CSMDRIA & S	2008
1110	Haridra Khand (batch I, II, III, & IV)-CSMDRIA & S	2008
1111	Pooner-CSMDRIA & S	2008
1112	Yavani Sandava (batch -III)-RRIB	2008
1113	Bhallataka Rasayana (batch-III)-RRIB	2008
1114	Amalaki Churna-NIAPR (P)	2009
1115	Arjuna Churna-NIAPR (P)	2009
1116	Ashwagandha Churna-NADRI (B)	2009
1117	Balajeerakadi Kwatha Churna Batch-III-NADRI (B)	2009
1118	Bhallataka Rasayana Batch- V-NADRI (B)	2009
1119	Bhallataka Rasayana Batch-IV -NADRI (B)	2009



1120	Bhaskaralavana Churna Batch- III -NADRI (B)	2009
1121	Bhaskaralavana Churna Batch- IV-NADRI (B)	2009
1122	Brihat gangadhara Churna B-I -ARIMCHC (T)	2009
1123	Brihat ganghadara Churna Batch- IV-NADRI (B)	2009
1124	Meshashringi Churna-NIAPR (P)	2009
1125	Haritaki Churna-NIAPR (P)	2009
1126	Intuppu kana Churna Batch-I -ARIMCHC (T)	2009
1127	Intuppukana Churna Batch- II -ARIMCHC (T)	2009
1128	Karpuradi Churna Batch- III -ARIMCHC (T)	2009
1129	Lavangadi Churna Batch- I-ARIMCHC (T)	2009
1130	Musta Karanjadi Kwatha Churna Batch- IV- NADRI (B)	2009
1131	Nimbadi Kvatha Churna-CSMRIA&SDD	2009
1132	Nimbapatra Churna-NIAPR (P)	2009
1133	Punarnavadi Kvatha Churna Batch-III-NADRI (B)	2009
1134	Punarnavashtka kvatha Churna Batch- IV-NADRI (B)	2009
1135	Rajahpravartini Vati-NIAPR (P)	2009
1136	Rajanyadi Churna Batch- III-NADRI (B)	2009
1137	Sarshapadi Pralepa Churna Batch- III with Amlatakra-NADRI (B)	2009
1138	Sarshapadi Pralepa Batch- III-NADRI (B)	2009
1139	Shunthi Churna-NIAPR (P)	2009
1140	Shothaghna Lepa-CSMRIA&SDD	2009
1141	Shringyadi Churna Batch- V -NADRI (B)	2009
1142	Trayantyadi Kvatha Churna Batch- III-ARIMCHC (T)	2009
1143	Trikatu Churna-NIAPR (P)	2009
1144	Triphala Churna-NIAPR (P)	2009
1145	Vaishvanara Churna Batch- IV-NADRI (B)	2009
1146	Bibhitaka Churna-NIAPR (P)	2009
1147	Yavani Shadava Batch- IV-NADRI (B)	2009
1148	Ayush QOL-2C- CSMRIA&SDD	2009
1149	Ayush A- CSMRIA&SDD, NVARI (L)	2009
1150	Ayush K-1 extract and K-1 leaf-CSMRIA&SDD	2009
1151	Ayush Manas-NRIADD (K)	2009
1152	Carctol II-CSMRIA&SDD	2009
1153	Ayush-D-CSMRIA&SDD, NVARI (L)	2009
1154	C-1 Oil- NRIADD (K)	2009
1155	C-1 Resin- NRIADD (K)	2009
1156	Dhatri Lauha-CSMRIA&SDD, ARIMCHC (T)	2009
1157	K-1 Oil-NRIADD (K)	2009
1158	Neem Oil-NRIADD (K)	2009
1159	Straw berry candy-CSMRIA&SDD	2009
1160	Water melon candy-CSMRIA&SDD	2009
1161	Lavangadi Churna Batch I (ARIMCHC)	2010
1162	Vidangarishta Batch II(ARIMCHC)	2010
1163	Induppukana Churna Batch III (ARIMCHC)	2010
1164	Swadhista Virechana Churna (OPD medicine)- ARIMCHC	2010



1165	Samangadi Churna B-III- NADRI	2010
1166	Brihan Manjistadi Kwatha Churna B-I- NADRI	2010
1167	Bharangyadi Kwatha Churna B-I- NADRI	2010
1168	Bharangyadi Kwatha Churna B-II- NADRI	2010
1169	Brahma Rasayana B-III- NADRI	2010
1170	Brahma Rasayana B-II- NADRI	2010
1171	Lodhrasava B-I (OPD medicine) - NADRI	2010
1172	Nishamalaki Churna B-I (OPD medicine) - NADRI	2010
1173	Ashwagandha Churna- NIAPR	2010
1174	Triphala Churna- NIAPR	2010
1175	Rajarpravartini Vati - CSMRIA&SDD	2010
1176	C-1 oil- CSMRIA&SDD	2010
1177	Carctol Batch-III- CSMRIA&SDD	2010
1178	Trikatu churna-NVARIH	2010
1179	Palsharasam-CSMRIA&SDD	2010
1180	Punarnavadi Mandur Vati-CSMRIA&SDD	2010
1181	Sarpagandh Churna Vati-CSMRIA&SDD	2010
1182	Ashokarista-CSMRIA&SDD	2010
1183	Asvagandha Arista-CSMRIA&SDD	2010
1184	Haridra Churna-CSMRIA&SDD	2010
1185	Asvagandha Churna-CSMRIA&SDD	2010
1186	Varunadikvatha Churna-CSMRIA&SDD	2010
1187	Haritaki Churna-CSMRIA&SDD	2010
1188	Bilvadileha-CSMRIA&SDD	2010
1189	Dhashmula Ghritam-CSMRIA&SDD	2010
1190	Vraghriharitaki Leha-CSMRIA&SDD	2010
1191	Bhrami Ghritam -CSMRIA&SDD	2010
1192	Dandemadi Ghritam -CSMRIA&SDD	2010
1193	Kottchukkadi Tailam-CSMRIA&SDD	2010
1194	Laksha Guggulu-CSMRIA&SDD	2010
1195	Asvagandhadi Leha-CSMRIA&SDD	2010
1196	Vyosadi Guggulu-CSMRIA&SDD	2010
1197	Mukta Shukti Pisti-CSMRIA&SDD	2010
1198	Jyotishmati Tailam-CSMRIA&SDD	2010
1199	Pashamedha Kwath-CSMRIA&SDD	2010
1200	Mahatriphladi Ghrita-CSMRIA&SDD	2010
1201	Vrahsandhvadi Tailam-CSMRIA&SDD	2010
1202	Singhnadh Guggul-CSMRIA&SDD	2010
1203	Punarvadi Guggul-CSMRIA&SDD	2010
1204	Kachnar Guggul-CSMRIA&SDD	2010
1205	Saptvishiti Guggul-CSMRIA&SDD	2010
1206	Praval Pisti-CSMRIA&SDD	2010
1207	Jatamansi Arka-CSMRIA&SDD	2010
1208	Panchamrita Kwatha Churna-CSMRIA&SDD	2010
1209	Amalakyadi Curna-NRIP	2011



1210	Asvagandha Curna-NIAPR	2011
1211	Ayush CARD-NRIASHRD	2011
1212	Ayush Manas B-I-CSMRIA&SDD	2011
1213	Ayush Manas B-II -CSMRIA&SDD	2011
1214	Balacaturbhadrika Curna-NRIP	2011
1215	Brihanti Manjistadi Kwatha Curna (B-II)-NADRI	2011
1216	Hingvastaka Curna-NIAPR	2011
1217	Nimba Curna-NIAPR	2011
1218	Nishamalaki Curna (B-II)-NADRI	2011
1219	Sitopaladi Curna-NIAPR	2011
1220	Srngyadi Curna-NIAPR	2011
1221	Trikatu Curna-NIAPR	2011
1222	Yogaraj Guggulu-NIAPR	2011
1223	Amlakyadi Churna-NRIADD	2012
1224	Amrithotharam Kwatha churna-NRIP	2012
1225	Ashwagandha Churna-NRIADD	2012
1226	Avipathikar Churna-NRIP	2012
1227	Balacaturbhadrika Churna-NRIADD	2012
1228	Balaguluchyadi Churna-NRIP	2012
1229	Dasamoolabala Kwatha Churna-NRIP	2012
1230	Dhanadanayanadi Kwatha Churna-NRIP	2012
1231	Dinesavallykera (Churna)-NRIP	2012
1232	Haridra Khanda -NIAPR	2012
1233	Jwarahara Kwatha Churna-NRIP	2012
1234	Kolakulathadi Churna-NRIP	2012
1235	Kottamchukkadi (Churna)-NRIP	2012
1236	Ksharasutra -NRIASHRD	2012
1237	Narikela Khanda -NIAPR	2012
1238	Navayasa Khanda -NIAPR	2012
1239	Rasna sapthakam Kwatha Churna-NRIP	2012
1240	Sanjivani Vati-NIAPR	2012
1241	Talisapathradi Churna-NRIP	2012
1242	Thriphala Churna-NRIP	2012
1243	Trikatu (Churna)-NRIP	2012
1244	Yogaraj Guggulu (Churna)-NRIP	2012
1245	K-1 leaf extract Batch II -CSMRIA&SDD	2012
1246	K-1 leaf Batch II -CSMRIA&SDD	2012
1247	C1 oil Batch-III & Gum -CSMRIA&SDD	2012
1248	C1 oil Batch-I & II -CSMRIA&SDD	2012
1249	Ayush Rasayan-A-NRIADD	2012
1250	Ayush D Batch II -CSMRIA&SDD	2012
1251	Ayush A Batch II -CSMRIA&SDD	2012
1252	Arjuna Curna-NRIADDK	2013
1253	Aswagandha Curna-NRIADDK	2013
1254	Dasamoolablala Kwatha Curna-NRIPC	2013



1255	Dhanadanayanadi Kwatha Curna-NRIPC	2013
1256	Draksavaleha -NRIPC	2013
1257	Goksura Kwatha Curna-NRIPC	2013
1258	Jwarahara Kwatha Curna-NRIPC	2013
1259	Kutaja Curna-NRIADDK	2013
1260	Lavana Bhaskar-NRIADDK	2013
1261	Maharasanadi Kwatha -CSMRIA&SDDC	2013
1262	Nimba Kwatha Curna-NRIPC	2013
1263	Sanjivani Vati-CSMRIA&SDDC	2013
1264	Talisadya Curna-NRIP, NRIADDK	2013
1265	Triphala Curna-NRIADDK	2013
1266	Vaisvanara Curna -NRIADDK	2013
1267	Vasvaleha -NRIPC	2013
1268	Vyaghryadi Kwatha Curna-NRIPC	2013
1269	Yograj Guggulu Vati-NRIPC	2013
1270	Garbha Chintamani Ras -CSMRIA&SDDC	2013
1271	Garbha Dharak Yog-CSMRIA&SDDC	2013
1272	Garbhupal Ras -CSMRIA&SDDC	2013
1273	Laxmana Loha -CSMRIA&SDDC	2013
1274	Ovarin-CSMRIA&SDDC	2013
1275	Pigmento -CSMRIA&SDDC	2013
1276	Ayush A-CSMRIA&SDDC, NRIADDK	2013
1277	Ayush D-CSMRIA&SDDC	2013
1278	Ayush Rasayan-A-NRIADDK	2013
1279	Ayush Rasayan-B-CSMRIA&SDDC	2013
1280	C1 oil -CSMRIA&SDDC	2013
1281	K-1 leaf CSMRIA&SDDC	2013
1282	K-1 leaf extract -CSMRIA&SDDC	2013
1283	<i>Oujenia oojinensis</i> -CSMRIA&SDDC, NRIADDK	2013
1284	Aswhwagandha Churna (TLC/ HPTLC)-NRIADDK	2014
1285	Avipathikar Churna (Q.C.)-NRIPC	2014
1286	Brihat Saindhavadya Taila (TLC/ HPTLC)-NRIADDK	2014
1287	Chaturbhadra Kwatha Churna (Q.C.)-NIAPRP	2014
1288	Chyavanprasha (TLC/ HPTLC)-CSMRIA&SDDC	2014
1289	Dhanvantara Taila (TLC/ HPTLC)-NRIADDK	2014
1290	Gandharvahasta Taila (TLC/ HPTLC)-NRIADDK	2014
1291	Jwarahara Kwatha Churna (Q.C.)-NRIPC	2014
1292	Kanakasava (TLC/ HPTLC)-CSMRIA&SDDC	2014
1293	Kushmandaka Rasayana (TLC/ HPTLC)-CSMRIA&SDDC	2014
1294	Kutajarishta (TLC/ HPTLC)-CSMRIA&SDDC	2014
1295	Navayasa Churna Capsule (TLC/ HPTLC)-NRIADDK	2014
1296	Pravala Pishti Capsule (TLC/ HPTLC)-NRIADDK	2014
1297	Rasnasapthakam Kwatha Churna (Q.C.)-NRIPC	2014
1298	Sarasvatha Ghrita (TLC/ HPTLC)-CSMRIA&SDDC	2014
1299	Talisapathradi Churna (Q.C.)-NRIPC	2014



1300	Trikatu Churna (Q.C.)-NRIPC	2014
1301	Trivrita Churna (TLC/ HPTLC)-CSMRIA&SDDC	2014
1302	Vasavaleha (TLC/ HPTLC)-NRIADDK	2014
1303	Vatari Guggulu Tablet (TLC/ HPTLC)-NRIADDK	2014
1304	Yogaraja Guggulu (TLC/ HPTLC)-CSMRIA&SDDC, NRIADDK	2014
1305	Ayush A -CSMRIA&SDDC, NRIADDK	2014
1306	Ayush D -CSMRIA&SDDC, NRIADDK	2014
1307	Ayush Rasayan-B -CSMRIA&SDDC	2014
1308	K-1 leaf extract-CSMRIA&SDDC	2014
1309	Chaturbhadrha Kwatha Churna -NIAPRP (QC/TLC)	2015
1310	Laghu Sudarshan Curna-NIAPRP (QC/TLC)	2015
1311	Vyoshadi Curna-NIAPRP (QC/TLC)	2015
1312	Brihat Gangadhar Curna-NRIADDK(QC/HPTLC)	2015
1313	Vasavaleha-NRIADDK(QC/HPTLC)	2015
1314	Navayasa Curna Capsule -NRIADDK(QC/HPTLC)	2015
1315	Yogaraj Guggulu Tablet-NRIADDK(QC/HPTLC)	2015
1316	Gandharvahasta Taila-NRIADDK(QC/HPTLC)	2015
1317	Dhanvantara Taila-NRIADDK(QC/HPTLC)	2015
1318	Pravala Pishti Capsule -NRIADDK(QC/HPTLC)	2015
1319	Vatari Guggulu Tablet-NRIADDK(QC/HPTLC)	2015
1320	Brihat Saindhavadya Taila-NRIADDK(QC/HPTLC)	2015
1321	Aswagandha Curna-NRIADDK/ NRIPC (QC parameters & HPTLC)	2015
1322	Dasamoolabala Kwatha Curna-NRIPC(QC)	2015
1323	Gandharvahasthadi Kwatha Curna-NRIPC(QC)	2015
1324	Gokshura Kwatha Curna-NRIPC(QC)	2015
1325	Jwarahara Kwatha Curna-NRIPC(QC)	2015
1326	Nimba Kwatha Curna -NRIPC(QC)	2015
1327	Rasnasapthakam Kwatha Curna-NRIPC(QC)	2015
1328	Vasakandakari Kwatha Curna-NRIPC(QC)	2015
1329	Gokshuradi Guggulu-NRIASHRDG	2015
1330	Laghu Vishagarbha Taila-NRIASHRDG	2015
1331	C-1 oil-CSMRADDI, Chennai	2015
1332	K1 Leaf -CSMRADDI, Chennai	2015
1333	Ayush Rasayan-B -CSMRADDI, Chennai	2015
1334	K-1 leaf extract-CSMRADDI, Chennai	2015
1335	Ayush-A -CSMRADDI, Chennai	2015
1336	Ayush Rasayan-A-CSMRADDI, Chennai	2015
1337	Abhayarishta-CARIMNSD, Cheruthuruthy	2016
1338	Aragvadha Kwatha curna-CARIMNSD, Cheruthuruthy	2016
1339	Aswagandharishta (5 samples)-CARIMNSD, Cheruthuruthy	2016
1340	Balarishta (5 samples)-CARIMNSD, Cheruthuruthy	2016
1341	Chandrakalalepa-CARIMNSD, Cheruthuruthy	2016
1342	Chaturbhadrha kwath churna-CARIRD, Patiala	2016
1343	Dasamoolarishta (5 samples)-CARIMNSD, Cheruthuruthy	2016
1344	Dhanwanthara Taila -CARIMNSD, Cheruthuruthy	2016



1345	Gomuthra Harithaki [Batchs-BHC-5, GHC-4 and JHC-6 (3 samples)]-CSMRADDI, Chennai	2016
1346	Jeerakarishtha (5 samples)-CARIMNSD, Cheruthuruthy	2016
1347	Laghu Sudarshan churna-CARIRD, Patiala	2016
1348	Manjishta curna-CARIMNSD, Cheruthuruthy	2016
1349	Narayana churna-CARIRD, Patiala	2016
1350	Nimba Kwatha curna-CARIMNSD, Cheruthuruthy	2016
1351	Panchakola curna-CARIMNSD, Cheruthuruthy	2016
1352	Phaltrikadikwath -CARIDD, Kolkata	2016
1353	Prasarani Taila-CARIMNSD, Cheruthuruthy	2016
1354	Rasna Kwatha curna-CARIMNSD, Cheruthuruthy	2016
1355	Rasnasaptakam Kwatha curna-CARIMNSD, Cheruthuruthy	2016
1356	Sinhanatha guggulu-CARIMNSD, Cheruthuruthy	2016
1357	Sunthi Guggulu (Prepared from Gomuthra Shodhit Guggulu)-CSMRADDI, Chennai	2016
1358	Sunthi Guggulu (Prepared from Triphala Shodhit Guggulu)-CSMRADDI, Chennai	2016
1359	Tribhuvan kirti rasa -CARIRD, Patiala	2016
1360	Tryushnadi Guggulu-CARIDD, Kolkata	2016
1361	Upanahachurna-CARIMNSD, Cheruthuruthy	2016
1362	Vaisvanara curna-CARIMNSD, Cheruthuruthy	2016
1363	Vyoshadi churna -CARIRD, Patiala	2016
1364	C-1 oil-CSMRADDI, Chennai	2016
1365	K1 Leaf -CSMRADDI, Chennai	2016
1366	K-1 leaf extract-CSMRADDI, Chennai	2016
1367	Ayush Rasayan-B -CSMRADDI, Chennai	2016
1368	Ayush-PJ7-CARIDD, Kolkata	2016
1369	Ayush Rasayan-A-CARIDD, Kolkata	2016



Figure 3- CCRAS LABORATORIES



Thin Layer Chromatography

In chemical identification of raw drugs typically chromatographic or spectroscopic methods are used, and among all available methods thin layer chromatography (TLC) is important and commonly used. In TLC, to achieve the identification fingerprints of drug samples are compared against that of a reference standard, monograph description or a reference chromatogram. High Performance Thin Layer Chromatography (HPTLC) is most advanced version of TLC and a general analytical procedure for application of HPTLC to the identification of articles of Botanical origin. In HPTLC, the stationary phase consists of a uniform, typically 200 μm layer of porous (pore size 60 \AA), irregular particles of silica gel with a size between 2 and 10 μm and an average particle size of 5 μm , plus a polymeric binder and a fluorescence indicator (F_{254}) coated onto a support, which is typically a glass plate or aluminum foil. Other stationary phases, such as chemically bonded phases (C8, C18, CN, NH₂; DIOL) or microcrystalline cellulose, are also available with and without a fluorescence indicator.

Thin Layer Chromatography (TLC) is used to develop for TLC fingerprint profile of compounds present in a given drug mixture, and determine the purity of a substance. First chromatographic fingerprint of ayurvedic medicine is documented in Standardization Research Project, Jamnagar (DSRPJ). Since then **256 drug samples** were studied. By using chromatographic fingerprints, the authentication and identification of Ayurvedic medicines can be accurately conducted even if the amount and/or concentration of the chemically characteristic constituents is not exactly the same in different samples of drug. Hence it is very important to obtain reliable chromatographic fingerprints that represent pharmacologically active and chemically characteristic component of the herbal drug.

A number of enhancements can be made to the original method to automate the different steps, to increase the resolution achieved with TLC and to allow more accurate quantitative analysis. This method is referred to as HPTLC, or "high-performance TLC". HPTLC typically uses thinner layers of stationary phase and smaller sample volumes, thus reducing the loss of resolution due to diffusion.

Development of Novel Chromatographic & Spectroscopic Methods for Triphala Churna by NRIASHRD, Gwalior, Trikatu Churna by CSMRIA&SDD, Chennai and Hingvastaka Churna by NRIADD, Kolkata has also been done.



Figure 4: HPTLC Instrumentation

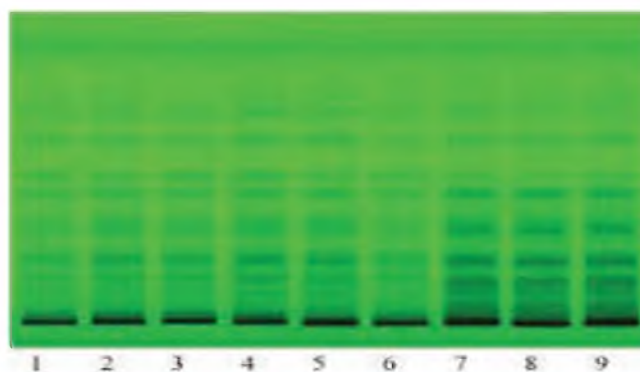


Figure 5: Developed Thin Layer Chromatography Plate under UV(254nm)

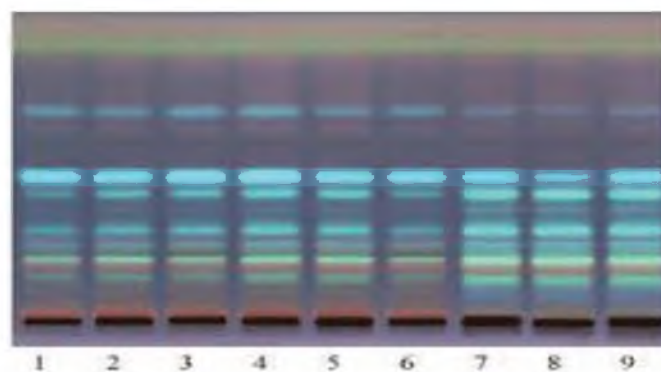


Figure 6: Developed Thin Layer Chromatography Plate under UV(366nm)

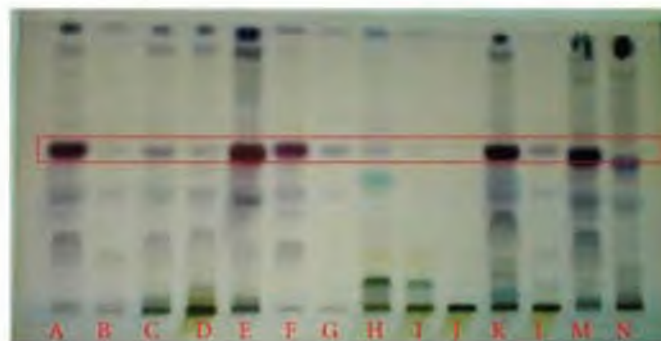


Figure 7: Developed Thin Layer Chromatography Plate under White Light after Derivatization

Isolation of Marker Compounds

Raw plant material is usually complex mixtures of several chemical constituents. For majority of plant drugs it is not known with firmness which of the various components is responsible for the reported pharmacological effect of that drug. It is generally believed that several constituents act synergistically to provide the reported effect. For articles for which compendial monographs are provided, certain chemical constituents of the article are chosen and quantitative test procedures for determining their content are provided. The choice of such constituents, known generally as marker compounds, is based on certain considerations. Currently, the following types of marker compounds are specified in compendial monographs and may be identified in raw materials:

Active Principles- These are constituents that have proven clinical activity. A minimum content or range for the active principles is usually specified. A quantitative determination of active principles carried out periodically during stability studies of dosage forms provides necessary information for arriving at suitable expiry dates.

Active Markers –These are constituents that have known pharmacological activity contributing in some extent to its efficacy. However, the clinical efficacy for these constituents may not be proven. A minimum content or range for active markers is usually specified in individual monographs. A quantitative determination of active markers during stability studies of dosage forms provides necessary information for arriving at suitable expiry dates.

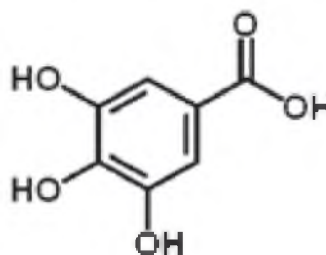
Analytical Markers - Where neither defined active principles nor active markers are known, other constituents of the botanical extract amenable to quantitative determination are chosen. These markers aid in the positive identification of the article under text. In addition,

maintaining a minimum content or a specified range of the analytical markers helps to achieve standardization of the plant extract and to arrive at a suitable expiry date during stability studies.

Negative markers – These are constituents that may have toxic or allergenic properties, rendering their presence in the botanical extract undesirable as for example β -asarone from Vacha (*Acorus calamus*). A stringent limit for such negative markers may be specified in individual monographs. Marker compounds mean chemical constituents within a medicine that can be used to verify its potency or identity. For sometimes, the marker compounds may be described as active ingredients or chemicals that confirm the correct botanical identity of the starting material. It is very difficult to identify correct marker compounds for all traditional medicines, because some medicines have unknown active constituents and others have multiple active constituents. So, marker compounds are important for correct botanical or chemical identity of authentic drug. For the mentioned purpose Council has started isolation of marker compounds in 2002 in CSMDRIA, Chennai and CRI, Kolkata. Since then marker compounds of **53 plants** were isolated successfully.



Phyllanthus emblica L.



Gallic acid (Marker compound)

Figure 8: Raw drug and its marker compound

Table 4: Details of the TLC/HPTLC Studies of Single Drugs/Comp. Formulations

S.No	TLC/HPTLC of Single/Comp. Formulation Studies	Year	Work
1	Ketaki(<i>Pandanus odoratissimus</i> L.)	1998	TLC/HPTLC
2	Karutan Kalangu (<i>Corallocarpus epigaeus</i> C.B.)	1998	TLC/HPTLC
3	Chinni (<i>Acalpha fruticosa</i> Forsk)	1998	TLC/HPTLC
4	Cenkalunir Kilangu (<i>Pontederia vaginalis</i> Roxb.)	1998	TLC/HPTLC
5	<i>Adhatoda vasica</i> -DSRPJ	1998	TLC/HPTLC
6	Chitraka haritaki-DSRPJ	1998	TLC/HPTLC
7	Vasa candanadi taila-DSRPJ	1998	TLC/HPTLC
8	<i>Pandanus odoratissimus</i> L.-CSMDRIAC	1998	TLC/HPTLC
9	<i>Corallocarpus epigaeus</i> Clarke-CSMDRIAC	1998	TLC/HPTLC
10	<i>Acalpha fruticosa</i> Forsk.-CSMDRIAC	1998	TLC/HPTLC



11	<i>Pontendra vaginalis</i> Roxb.-CSMDRIAC	1998	TLC/HPTLC
15	Mahispitta-DSRPV	1998	TLC/HPTLC
16	Varahapitta-DSRPV	1998	TLC/HPTLC
17	<i>Artocarpus heterophyllus</i> Lamk-DSRPV	1998	TLC/HPTLC
18	<i>Cordia dichotoma</i> -DSRPV	1998	TLC/HPTLC
19	Ashoka Ghrita-DSRPV	1998	TLC/HPTLC
20	Panchagavya Ghrita-DSRPV	1998	TLC/HPTLC
21	Karpasasthyadic Taila-DSRPV	1998	TLC/HPTLC
22	Keshar (<i>Crocus sativus</i> L.)-CSMDRIA	1999	TLC/HPTLC
23	Kusumba (<i>Carthamus tinctorius</i> L.)-DSRU	1999	TLC/HPTLC
24	Kodrav (<i>Paspalum scorbiaculatum</i> L.)-DSRU	1999	TLC/HPTLC
25	Chakramarda (<i>Cassia tora</i> L.)-DSRU	1999	TLC/HPTLC
26	Kasamarda (<i>Cassia occidentalis</i> L.)-DSRU	1999	TLC/HPTLC
27	Manalkerj (<i>Gisekia pharnaceoides</i> L.)-DSRU	1999	TLC/HPTLC
28	Indravaruni Bhed (<i>Citrullus lanatus</i> (Thumb.) Mats & Nakai)-DSRU	1999	TLC/HPTLC
29	Changeri (<i>Oxalis corniculata</i> L.)-DSRU	1999	TLC/HPTLC
30	Odimaran (<i>Odina woodier</i> Roxb.)-DSRU	1999	TLC/HPTLC
31	Chinnivar (<i>Acalypha fruticosa</i> L.)-DSRU	1999	TLC/HPTLC
32	Patal-garuri (<i>Corallocarpus epigaeus</i> (Rottlex wild)-DSRU	1999	TLC/HPTLC
33	Gandhibuti (<i>Glinus lotoides</i> L.)-DSRU	1999	TLC/HPTLC
34	Kasturi (Musk)-CSMDRIA	1999	TLC/HPTLC
35	777 Oil-CSMDRIA	1999	TLC/HPTLC
36	Sitopaladi Curna- CSMDRIA	1999	TLC/HPTLC
37	Sala (<i>Shorea robusta</i> Gaertn. f.)- CSMDRIA, Chennai	2002	TLC/HPTLC
38	Kantakari (<i>Solanum surattense</i> Burm. f.) - CSMDRIA, Chennai	2002	TLC/HPTLC
39	Sirish(<i>Albezia lebbeck</i> Benth.) - CSMDRIA, Chennai	2002	TLC/HPTLC
40	Bhuamlaki(<i>Phyllanthus amarus</i>) - CSMDRIA, Chennai	2002	TLC/HPTLC
41	Pippalyadi Yoga - CSMDRIA, Chennai	2002	TLC/HPTLC
42	Samasarkara Curna- CSMDRIA, Chennai	2002	TLC/HPTLC
43	Saraswat Curna- CSMDRIA, Chennai	2002	TLC/HPTLC
44	Rasna (<i>Vanda roxburghii</i> R.Br.)	2002	Isolation of Marker Compounds
45	Surabhinimba (<i>Murraya koenigii</i> Spreng)	2002	----do----
46	Arhar (<i>Cajanus cajan</i> (L.) Millsp.)	2002	----do----
47	Bhant (<i>Clerodendrum infortunatum</i> L.)	2002	----do----
48	Chirayita (<i>Swertia chirata</i> Buch. Ham.)	2002	----do----
49	Nimba (<i>Azadirachta indica</i> A. Juss.)- RRIB	2003	TLC/HPTLC
50	Punarnava(<i>Boerhavia diffusa</i> L.)- RRIB	2003	----do----
51	Daru(<i>Cedrus deodar</i> (Roxb.) Loud.)- RRIB	2003	----do----
52	Musta(<i>Cyperus rotundus</i> L.)- RRIB	2003	----do----
53	Katuka(<i>Picrorhiza kurroa</i> Royle ex Benth.)- RRIB	2003	----do----
54	Haritaki(<i>Terminalia chebula</i> Roxb.)- RRIB	2003	----do----



55	Patola(<i>Trichosanthes dioica</i> Roxb.)- RRIB	2003	----do----
56	Guduchi(<i>Tinospora cordifolia</i> (Willd.) Miers)- RRIB	2003	----do----
57	Shunthi(<i>Zingiber officinale</i> Rosc.)- RRIB	2003	----do----
58	Haridra (<i>Curcuma longa</i> L.)- RRIB	2003	----do----
59	Guggulu (<i>Commiphora wightii</i> (Arn.) Bhand)- RRIB	2003	----do----
60	Pippalyadi Yoga- CSMDRIAC	2003	----do----
61	Punarnava Arka- CSMDRIAC	2004	----do----
62	Netra Sudarshan Arka -CSMDRIAC	2004	----do----
63	Ayush Face Pack -CSMDRIAC	2004	----do----
64	Ayush BL-oil -CSMDRIAC	2004	----do----
65	Haridra (<i>Curcuma longa</i>)- RRIB	2004	----do----
66	Haritaki (<i>Terminalia chebula</i>) - RRIB	2004	----do----
67	Jatiphala (<i>Myristica fragranca</i>) - RRIB	2004	----do----
68	Kanchanar (<i>Bauhinia variegata</i>) - RRIB	2004	----do----
69	Kantakari (<i>Solanum xanthocarpum</i>) - RRIB	2004	----do----
70	Kanya sara(<i>Aloe vera</i>) - RRIB	2004	----do----
71	Khadira(<i>Acacia catechu</i>) - RRIB	2004	----do----
72	Kutaja (<i>Holarrhena antidysenterica</i>) - RRIB	2004	----do----
73	Lavanga (<i>Syzygium cumini</i>) - RRIB	2004	----do----
74	Lajjalu (<i>Mimosa pudica</i>) - RRIB	2004	----do----
75	Vata (<i>Ficus bengalensis</i>)- CRIL	2004	----do----
76	Palasha (<i>Butea monosperma</i>)- CRIL	2004	----do----
77	Ashoka (<i>Saraca asoca</i>) - CRIL	2004	---do----
78	Surabhinimba(<i>Murraya koeinigii</i>) -Currypattine	2004	Isolation of Marker Compounds
79	Jambu (<i>Syzygium cumini</i>) -Ferulic acid and isoferulic acid	2004	----do----
80	Maricha (<i>Piper nigrum</i>) Piperine	2004	----do----
81	Chirayita (<i>Swertia chirata</i>) Swerchirin	2004	----do----
82	Nagakeshar (<i>Mesua ferrea</i>) - 2, 7 - Dihydroxy xanthone	2004	----do----
83	Beli (<i>Limonia crenulata</i>)- Xanthotoxin	2004	----do----
84	Kapittha (<i>Feronia limonia</i>)- Marmin	2004	----do----
85	Hurmali(<i>Peganum harmala</i>)- Harmine	2004	----do----
86	<i>Syzygium cumini</i> -2 α -Hydroxy ursolic acid-CRIK	2006	----do----
87	<i>Terminalia chebula</i> -Gallic acid, Corilagin-CRIK	2006	----do----
88	<i>Pongamia pinnata</i> -Karangin-CRIK	2006	----do----
89	<i>Piper longum</i> -Piperine, Piper longumine-CRIK	2006	----do----
90	Kapitha(<i>Feronia limonia</i>)-RRIB	2006	TLC/HPTLC
91	Kamala(<i>Nelumbo nucifera</i>)-RRIB	2006	----do----
92	Kokilaksa(<i>Asteracantha longifolia</i>)-RRIB	2006	----do----
93	Jayaphala(<i>Croton tiglium</i>)-RRIB	2006	----do----
94	Karaveera(<i>Nerium indicum</i>)-RRIB	2006	----do----
95	Gunja(<i>Abrus precatorius</i>)-RRIB	2006	----do----
96	Kulatha(<i>Vigna unguiculata</i>)-RRIB	2006	----do----
97	Madanaphala(<i>Xeromphis spinosa</i>)-RRIB	2006	----do----



98	Kankola(<i>Piper cubeba</i>)-RRIB	2006	----do----
99	Karpasa(<i>Gossypium herbaceum</i>)-RRIB	2006	----do----
100	Jyotishmati(<i>Celastrus paniculatus</i>)-RRIB	2006	----do----
101	Pancasama Curna-CSMDRIAC	2006	----do----
102	Balacaturbhadrika Curna -CSMDRIAC	2006	----do----
103	Chopchini Curna-CSMDRIAC	2006	----do----
104	Aswagandha Curna-CSMDRIAC	2006	----do----
105	Ayush-Face Pack-CSMDRIAC	2006	----do----
106	Ayush-Rasayan B-CSMDRIAC	2006	----do----
107	Ayush-RP -CSMDRIAC	2006	----do----
108	Ayush-Osto-CSMDRIAC	2006	----do----
109	Ayush-LIV-CSMDRIAC	2006	----do----
110	Ayush-SL Internal-CSMDRIAC	2006	----do----
111	Ayush-SL Lepa External-CSMDRIAC	2006	----do----
112	Ayush-Manas-CSMDRIAC	2006	----do----
113	Ayush-QOL 2-CSMDRIAC	2006	----do----
114	<i>Pongamia pinnata</i> -Pongapin-CRIK	2007	Isolation of Marker Compounds
115	<i>Murraya koenigii</i> -Koeinimbine-CRIK	2007	----do----
116	<i>Wrightia tinctoria</i> -Betulinic acid-CRIK	2007	----do----
117	<i>Wrightia tinctoria</i> - α - Amyrin-CRIK	2007	----do----
118	<i>Swertia chirata</i> -1-Hydroxy -3,5,8-trimethoxy xanthone; 1,5,8 - Trihydroxy -3-methoxy xanthone -CRIK	2007	----do----
119	<i>Swertia chirata</i> -CRIK	2007	----do----
120	Dhataki (<i>Woodfordia fruticosa</i> (Flower)	2007	TLC/HPTLC
121	Arjuna (<i>Terminalia arjuna</i>)(Stem bark)	2007	----do----
122	Draksha (<i>Vitis vinifera</i> (Fruit)	2007	----do----
123	<i>Swertia chirata</i> (Whole plant)-1,8 - Dihydroxy -3,5-dimethoxy xanthone-(CRIK)	2008	Isolation of Marker Compounds
124	<i>Wrightia tinctoria</i> (seeds)-Betulin (CRIK)	2008	----do----
125	<i>Coccinia indica</i> (leaves)-Corilajin(CRIK)	2008	----do----
126	<i>Terminalia bellerica</i> (fruit pericarp)-Gallic acid (CRIK)	2008	----do----
127	<i>Andrographis paniculata</i> (Aerial parts)-Andrographolide(CRIK)	2008	----do----
128	<i>Cochlospermum religiosum</i> L.(Leaves)-Isorhamnetin-RRI-T (DR)	2008	----do----
129	<i>Saraca asoca</i> L. (Flowers)-Quercetin-RRI-T (DR)	2008	----do----
130	<i>Vitex negundo</i> L. (Leaves)-Apigenin-RRI-T (DR)	2008	----do----
131	Aqueous extract of <i>Withania somnifera</i> (Root)-Withanolide A-CSMDRIA & S	2008	----do----
132	Aqueous extract of <i>Tinospora cordifolia</i> (Stem)-8-Hydroxy-arcangelicin-CSMDRIA & S	2008	----do----
133	n-hexane extract of <i>Inula racemosa</i> (Root)-Alantollactone and Isoalantollactone-CSMDRIA & S	2008	----do----



134	Brahmi (<i>Bacopa monnieri</i> L. (Whole plant)-RRI-T (DR)	2008	TLC/HPTLC
135	Katuka (<i>Picrorhiza kurroa</i> Royle ex Benth)--RRI-T (DR)	2008	----do----
136	Tamalaki (<i>Phyllanthus niruri</i> L. (Whole plant)-RRI-T (DR)	2008	----do----
137	Kutaja (<i>Holarrhena antidysenterica</i> Wall. (Seed)-RRI-T (DR)	2008	----do----
138	Kutaja (<i>Holarrhena antidysenterica</i> Wall. (Stem)-RRI-T (DR)	2008	----do----
139	Salaparni (<i>Desmodium gangeticum</i> DC. (Root) -RRI-T (DR)	2008	----do----
140	Haridra (<i>Curcuma longa</i> L. (Rhizome) -RRI-T (DR)	2008	----do----
141	Kantakari (<i>Solanum xanthocarpum</i> S. & Wendle (Whole plant)-RRI-T (DR)	2008	----do----
142	Karanja (<i>Pongamia pinnata</i> L. (Fruit pulp)-RRI-T (DR)	2008	----do----
143	Lajjalu (<i>Mimosa pudica</i> L. (Whole plant)-RRI-T (DR)	2008	----do----
144	Bhallataka (<i>Semecarpus anacardium</i> L. f. (Nut)-RRI-T (DR)	2008	----do----
145	Hapusa (<i>Sphaeranthus indicus</i> L. (Whole Plant)-RRI-T (DR)	2008	----do----
146	Trivrt (<i>Ipomoea turpethum</i> R. Br. (Root)-RRI-T (DR)	2008	----do----
147	Pippali (<i>Piper longum</i> L. (Fruit)-RRI-T (DR)	2008	----do----
148	Bhadrika (<i>Aerva lanata</i> Juss. (Whole plant)-RRI-T (DR)	2008	----do----
149	Durva (<i>Cynodon dactylon</i> (L.) Pers. (Whole plant)-RRI-T (DR)	2008	----do----
150	Takkola (<i>Piper cubeba</i> L. (Fruit)-RRI-T (DR)	2008	----do----
151	Rasna (<i>Alpinia calcarata</i> Rosc. (Rhizome)-RRI-T (DR)	2008	----do----
152	Lavanga (<i>Syzygium aromaticum</i> L. (Flower)-RRI-T (DR)	2008	----do----
153	Tvak (<i>Cinnamomum zeylanicum</i> Blume. (Stem bk.)-RRI-T (DR)	2008	----do----
154	Jathiphala (<i>Myristica fragrans</i> Houtt. (Aril)-RRI-T (DR)	2008	----do----
155	Jatiphala (<i>Myristica fragrans</i> Houtt. (Seed)-RRI-T (DR)	2008	----do----
156	Nagakesara (<i>Mesua ferrea</i> L.(Flower)-RRI-T (DR)	2008	----do----
157	Maricha (<i>Piper nigrum</i> L.(Fruit)-RRI-T (DR)	2008	----do----
158	Sunthi(<i>Zingiber officinale</i> Rosc. (Rhizome)-RRI-T (DR)	2008	----do----
159	Nimba (<i>Azadirachta indica</i> A. Juss. (Stem bk.)-RRI-T (DR)	2008	----do----
160	Vasa (<i>Adhatoda vasica</i> Nees. (Root)	2008	----do----
161	Bhunimba (kiratikta) (<i>Andrographis paniculata</i> Nees. (W. Plant)-RRI-T (DR)	2008	----do----
162	Amalaki (<i>Emblica officinalis</i> Gaertn. (F.Pulp)-RRI-T (DR)	2008	----do----
163	Haritaki (<i>Terminalia chebula</i> Retz. (F.Pulp)-RRI-T (DR)	2008	----do----
164	Bibhitaka (<i>Terminalia belerica</i> Roxb. (F.Pulp)-RRI-T (DR)	2008	----do----
165	Katvi (katuka) (<i>Picrorhiza kurroa</i> Royle ex Benth. (Root)-RRI-T (DR)	2008	----do----
166	Guduchi (<i>Tinospora cordifolia</i> Miers. (Stem)-RRI-T (DR)	2008	----do----
167	Kumkumapoo (<i>Crocus stivus</i>)-CSMDRIA & S	2008	----do----
168	Akrakaram (<i>Anacyclus pyrethrum</i>)-CSMDRIA & S	2008	----do----
169	Erukkam ver (<i>Calotropis gigantean</i> (Root)-CSMDRIA & S	2008	----do----
170	Erukkam ilai (<i>Calotropis gigantean</i> (Leaves)-CSMDRIA & S	2008	----do----
171	Amanakk (<i>Ricinus communis</i>) -CSMDRIA & S	2008	----do----



172	Karaisalai (<i>Eclipta prostrate</i> (Leaves))-CSMDRIA & S	2008	----do----
173	Naaval (<i>Syzygium cumini</i> (Stem bk.))-CSMDRIA & S	2008	----do----
174	Karumbu (<i>Saccharum officinarum</i> (Stem))-CSMDRIA & S	2008	----do----
175	Serankottai (<i>Semicarpus anacardium</i> (Fruit))-CSMDRIA & S	2008	----do----
176	Kutajavaleha Batch I-RRI-T (DR)	2008	----do----
177	Narachaurna Batch I-RRI-T (DR), CSMDRIA & S	2008	----do----
178	Narachaurna Batch II & III-RRI-T (DR),	2008	----do----
179	Karpuradi Curna Batch I -RRI-T (DR), CSMDRIA & S	2008	----do----
180	Karpuradi Curna Batch II-RRI-T (DR)	2008	----do----
181	Saptasara Kvatha Curna-RRI-T (DR)	2008	----do----
182	Vasaguducyadi Kvatha Curna-RRI-T (DR)	2008	----do----
183	Hutabhugadi Curna-RRI-T (DR)	2008	----do----
184	Hingvadi Curna-RRI-T (DR)	2008	----do----
185	Hinguvacadi Curna-RRI-T (DR)	2008	----do----
186	Maharasnadi Kvatha Curna-RRI-T (DR)	2008	----do----
187	Rasnadi Kvatha Curna-RRI-T (DR)	2008	----do----
188	Vidaryadi Kvatha Curna-RRI-T (DR)	2008	----do----
189	Samudradya Curna-RRI-T (DR)	2008	----do----
190	Trayanthyadi Kvatha Curna-RRI-T (DR)	2008	----do----
191	<i>Rheum emodi</i> Wall. (root)-Emodin- CSMRIA&SDD	2009	Isolation of Marker Compounds
192	<i>Curcuma longa</i> L. (rhizome) -Curcumin-CSMRIA&SDD	2009	----do----
193	<i>Withania somnifera</i> Dunal. (root)-WithanolideV, Withaferin A- CSMRIA&SDD	2009	----do----
194	<i>Cassia obovata</i> Mill. (leaves)-Chrysoferol-CSMRIA&SDD	2009	----do----
195	<i>Boerhavia diffusa</i> L. (arial part)- β -Sitosterol palmitate-CSMRIA&SDD	2009	----do----
196	<i>Cynodon dactylon</i> L. (whole plant)-Luteolin, Cylindrin-CSMRIA&SDD	2009	----do----
197	<i>Pongamia pinnata</i> L. (seed)-Karanjin, Pongapin-ARIMCHC(T), NRIADD (K)	2009	----do----
198	<i>Syzygium cumini</i> L. (seed)-Ferulic acid, 2 α - Hydroxy ursolic acid- NRIADD (K)	2009	----do----
199	<i>Wrightia tinctoria</i> R. Br. (seed)-Dihydrocanaric acid-NRIADD (K)	2009	----do----
200	<i>Andrographis paniculata</i> Burm. f. (leaves)-Andrographolide-NRIADD (K)	2009	----do----
201	<i>Terminalia belerica</i> Roxb. (fruit)-Gallic acid, Chebulagic acid-NRIADD (K)	2009	----do----
202	<i>Terminalia chebula</i> Retz. (fruit)-Gallic acid, Chebulinic acid, Ellagic acid-NRIADD (K)	2009	----do----
203	<i>Alanthus oehavi</i> Roxb. (stem bark)-Stigmasta-4,22-diene-3-ol-NRIADD (K)	2009	----do----



204	<i>Inula racemosa</i> Hook. f. (root)-Royleanone 7-O-acetate-NRIADD (K)	2009	Isolation of Marker Compounds
205	Khadira (<i>Acacia catechu</i> Willd. (heart wood)-ARIMCHC (T)	2009	TLC/HPTLC
206	Vatsanabha (<i>Aconitum heterophyllum</i> Wall. (root)-ARIMCHC (T)	2009	----do----
207	Araluka (<i>Ailanthus excels</i> Roxb. (stem)-ARIMCHC (T)	2009	----do----
208	Kanyasara (<i>Aloe barbadensis</i> Mill. (leaf pulp)-CCRAS Hq	2009	----do----
209	Khatmi (<i>Althea officinalis</i> L. (seed)-CCRAS Hq	2009	----do----
210	Agnigarva (<i>Ammania baccifera</i> L. (root)-CSMRIA&SDD,CCRAS Hq	2009	----do----
211	Nimba (<i>Azadirachta indica</i> A. Juss.(stem bark)-CCRAS Hq	2009	----do----
212	Brahmi (<i>Bacopa monnieri</i> L. (whole plant)-ARIMCHC (T)	2009	----do----
213	Madhuka (<i>Bassia latifolia</i> Roxb. (flower)-ARIMCHC (T)	2009	----do----
214	Daruharidra(<i>Berberis aristata</i> DC. (root/stolon)-CCRAS Hq	2009	----do----
215	Shikhi (<i>Blepharis edulis</i> Pers. (seed)-CSMRIA&SDD,CCRAS Hq	2009	----do----
216	Shalmali (<i>Bombax malabaricum</i> D C. (gum exudates)-ARIMCHC (T)	2009	----do----
217	Kuberaksha (<i>Caesalpinia bounducella</i> L. (seed)-CCRAS Hq	2009	----do----
218	Sadapushpa (<i>Catharanthus roseus</i> (L.) G. Don. (leaves)-CCRAS Hq	2009	----do----
219	Shveta musali (<i>Chlorophytum tuberosum</i> Roxb (root)-CCRAS Hq	2009	----do----
220	Patha (<i>Cissampelos pareira</i> L. (root)-ARIMCHC (T)	2009	----do----
221	Hrivera (<i>Coleus vettiveroides</i> K. C. Jacob. (root)-ARIMCHC (T)	2009	----do----
222	Shleshmataka(<i>Cordia dichotoma</i> Forst. (fruit)-CCRAS Hq	2009	----do----
223	Rasanjana (<i>Coscinium fenestratum</i> Gaertn. (stem exudates)-ARIMCHC (T)	2009	----do----
224	Haridra oil (<i>Curcuma longa</i> L. (rhizome)-CCRAS Hq	2009	----do----
225	Patha (<i>Cyclea peltata</i> Cooke (root)-ARIMCHC (T)	2009	----do----
226	Vidanga (<i>Embelia ribes</i> Burm. F. (seed)-ARIMCHC (T)	2009	----do----
227	Amalaki (<i>Emblica officinalis</i> Gaertn. (fruit)-ARIMCHC (T)	2009	----do----
228	Somalata (<i>Ephedra geradiana</i> Wall. (stem)-CCRAS Hq	2009	----do----
229	Yashti (<i>Glycyrrhiza glabra</i> L. (root)-CCRAS Hq	2009	----do----
230	Meshashringi (<i>Gymnema sylvestre</i> R. Br. (leaves)-CCRAS Hq	2009	----do----
231	Ananta (<i>Hemidesmus indicus</i> R.Br. (root)-CSMRIA&SDD,CCRAS Hq	2009	----do----
232	Pushkarmula (<i>Inula racemosa</i> Hook. f. (root)-CCRAS Hq	2009	----do----
233	Trivrit (<i>Ipomoea terpehum</i> R. Br. (root)-ARIMCHC (T)	2009	----do----
234	Lavanga (<i>Syzygium aromaticum</i> L. (flower)-CCRAS Hq	2009	----do----
235	Masura (<i>Lens culinaris</i> Medic (seed)-ARIMCHC (T)	2009	----do----



236	Chandrashura (<i>Lepidium sativum</i> L. (seed)- CSMRIA&SDD,CCRAS Hq	2009	----do----
237	Nimba (<i>Melia azadirachta</i> L. (bark)-ARIMCHC (T)	2009	----do----
238	Nagakesara(<i>Mesua ferrea</i> L. (flower)-ARIMCHC (T)	2009	----do----
239	Karavellaka (<i>Momordica dioica</i> Roxb. (fruit)-CCRAS Hq	2009	----do----
240	Katuka (<i>Picrorhiza kurroa</i> Rot. Ex. Benth (root))-ARIMCHC (T)	2009	----do----
241	Kankola (<i>Piper cubeba</i> L. (fruit)-CSMRIA&SDD,CCRAs Hq	2009	----do----
242	Pippali (<i>Piper longum</i> L.(fruit)-ARIMCHC (T), CCRAS Hq	2009	----do----
243	Maricha (<i>Piper nigrum</i> L. (fruit)-CCRAS Hq	2009	----do----
244	Karkatashringi(<i>Pistacia integerima</i> Stewart. (gall)-CCRAS Hq	2009	----do----
245	Vijayasara (<i>Pterocarpus marsupium</i> Roxb. (stem bark)- CCRAS Hq	2009	----do----
246	Revand chini (<i>Rheum emodi</i> Wall. (root)- CSMRIA&SDD,CCRAS Hq	2009	----do----
247	Chopchini (<i>Smilax china</i> L. (tuber root)- CSMRIA&SDD,CCRAS Hq	2009	----do----
248	Kiratatikta (<i>Swertia chirayata</i> Roxb. (whole plant)-CCRAS Hq	2009	----do----
249	Lodhra (<i>Symplocos racemosa</i> Roxb. (stem bark)-ARIMCHC (T)	2009	----do----
250	Jambubeeja (<i>Syzygium cuminii</i> (L.) (seed)-CCRAS Hq	2009	----do----
251	Bibhitaka (<i>Terminalia belerica</i> Roxb. (fruit)-ARIMCHC (T) , CCRAS Hq	2009	----do----
252	Haritaki (<i>Terminalia chebula</i> Retz. (fruit rind)-ARIMCHC (T) , CCRAS Hq	2009	----do----
253	Yavani (<i>Trachyspermum ammi</i> L. (fruit)-ARIMCHC (T)	2009	----do----
254	Gokshura (<i>Tribulus terrestris</i> L. (whole plant.)- CSMRIA&SDD	2009	----do----
255	Patolamula (<i>Trichosanthus cucumerina</i> L.(root)-ARIMCHC (T)	2009	----do----
256	Methika(<i>Trigonella foenum-graecum</i> L. (seed)-CCRAS Hq	2009	----do----
257	Gulbanaphsa (<i>Viola odorata</i> L. (fruit)-CCRAS Hq	2009	----do----
258	Rishyaprokta (<i>Withania cougulans</i> Dun. (seed)-CCRAS Hq	2009	----do----
259	Brihat Gangadhara Churna-CSMRIA&SDD	2009	----do----
260	Naraca Churna -CSMRIA&SDD	2009	----do----
261	Ayush D -CSMRIA&SDD, CCRAS Hq	2009	----do----
262	Ayush A- CCRAS Hq	2009	----do----
263	Intuppukana Churna-CSMRIA&SDD	2009	----do----
264	Trayantyadi Kashaya Churna-CSMRIA&SDD	2009	----do----
265	Karpuradi Churna Batch- III- ARIMCHC (T)	2009	----do----
266	Intuppukana Churna Batch-I-ARIMCHC (T)	2009	----do----
267	Intuppukana Churna Batch-I-ARIMCHC (T)	2009	----do----
268	Trayantyadi Kvatha Churna Batch-III-ARIMCHC (T)	2009	----do----
269	Brihatgangadhara Churna Batch-I-ARIMCHC (T)	2009	----do----



270	Lavagandi Churna Batch-I-ARIMCHC (T)	2009	----do----
271	Neem oil-ARIMCHC (T)	2009	----do----
272	Nimbatiktam -ARIMCHC (T)	2009	----do----
273	CARCTOL-CSMRIA&SDD, CCRAS Hq	2009	----do----
274	Cancer Gajakesari- CCRAS Hq	2009	----do----
275	AGA- CCRAS Hq	2009	----do----
276	AGT- CCRAS Hq	2009	----do----
277	Yograj Guggulu- CCRAS Hq	2009	----do----
278	<i>Cassia angustifolia</i> - Rhein-CSMRIA&SDD	2010	----do----
279	<i>Inula racemosa</i> Hook. f. (Root)-Royleanone 7-Oac-NRIADD	2010	----do----
280	<i>Pongamia pinnata</i> (Seed) -Karanjabiflavone, Pongabiflavone and Karanjachromene-NRIADD	2010	----do----
281	<i>Phyllanthus amarus</i> - β -sitosterol-NRIADD	2010	----do----
282	<i>Commiphora mukul</i> Hook Ex stocks (Resin)-Octadecan-1,2,3,4-tetrol (VI), Cicosan-1,2,3,4-tetrol (VII)-NRIADD	2010	----do----
283	Kalmegh (<i>Andrographis paniculata</i> L. (Whole plant)-CCRAS Hq.	2010	----do----
284	Haridra (<i>Curcuma longa</i> L. (Rhizome) - CCRAS Hq.	2010	----do----
285	Katuka (<i>Picrorhiza kurroa</i> Royle ex Benth. (Extract) - CCRAS Hq.	2010	----do----
286	Sharapunkha (<i>Tephrosia purpurea</i> (L.) Pers. (Extract) - CCRAS Hq.	2010	----do----
287	Rasna (<i>Alpinia calcarata</i> Rosc. (Rhizome) - ARIMCHC	2010	----do----
288	Dhanyaka (<i>Coriandrum sativum</i> L. (Fruit) - ARIMCHC	2010	----do----
289	Jeeraka(<i>Cuminum cyminum</i> L. (Fruit) - ARIMCHC	2010	----do----
290	Musta (<i>Cyperus rotundus</i> L. (Rhizome) - ARIMCHC	2010	----do----
291	Vidanga (<i>Embelia ribes</i> Burm. f. (Seed) - ARIMCHC	2010	----do----
292	Elavaluka (<i>Heracleum rigens</i> Wall. (Seed) - ARIMCHC	2010	----do----
293	Gajapippali (<i>Piper retrofractum</i> Vahl. (Fruit) - ARIMCHC	2010	----do----
294	Rektachandana (<i>Pterocarpus santalinus</i> L. f. (Heart wood) - ARIMCHC	2010	----do----
295	Dhataki (<i>Woodfordia fruticosa</i> Kurz. (Flower) - ARIMCHC	2010	----do----
296	Ardraaka (<i>Zingiber officinale</i> Rosc. (Rhizome) - ARIMCHC	2010	----do----
297	Lavangadi Churna - CSMRIA&SDD	2010	----do----
298	Ayush QOL-2C (Capsule)- CCRAS Hq.	2010	----do----
299	Ayush Manas (Tablet) - CCRAS Hq.	2010	----do----
300	Anti-malarial Formulation 3- Batches (CCRAS-JNU project) - CCRAS Hq.	2010	----do----
301	Amalaki (<i>Emblica officinalis</i>)-NRIP	2011	----do----
302	Aruna (Ativisa) (<i>Aconitum heterophyllum</i>)-NRIP	2011	----do----
303	Citraka (<i>Plumbago zeylanica</i>)-NRIP	2011	----do----
304	Haritaki (<i>Terminalia chebula</i>)-NRIP	2011	----do----
305	Pippali (<i>Piper longum</i>)-NRIP	2011	----do----
306	Musta (<i>Cyperus rotundus</i>)-NRIP	2011	----do----
307	Srngi (Karkatasrngi)(<i>Pistacia integerrima</i>)-NRIP	2011	----do----



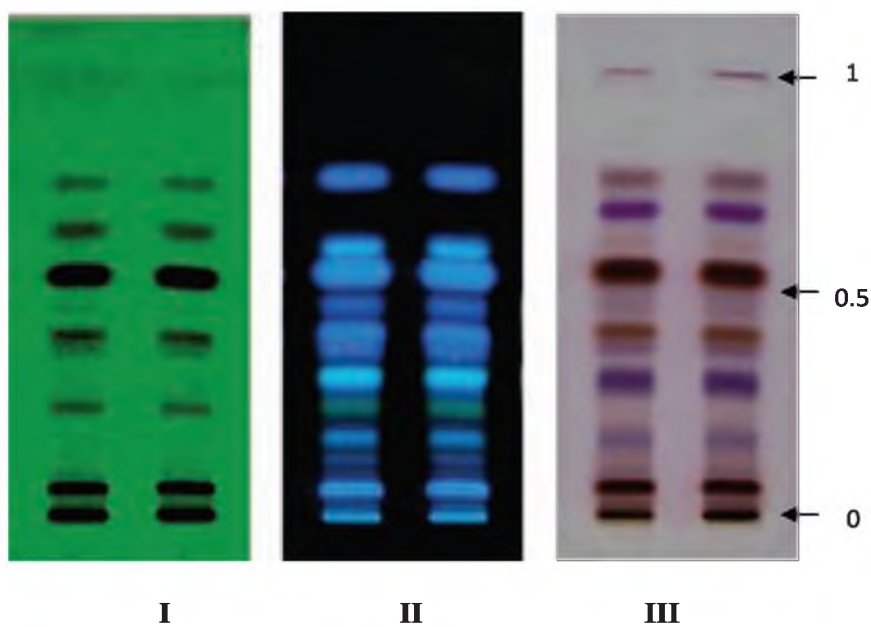
308	Kattuelam (<i>Amomum subulatum</i>)-CSMRIA&SDD	2011	-----do-----
309	Karuvepilai (<i>Murraya koenigii</i>)-CSMRIA&SDD	2011	-----do-----
310	Triphala curna-NRIASHRD, Gwalior	2013	Development of Novel Chromatographic & Spectroscopic Methods
311	Trikatu curna-CSMRIA&SDD, Chennai	2013	-----do-----
312	Hingwashtak curna -NRIADD, Kolkata	2013	-----do-----
313	Hingvastaka Churna-NRIADD, Kolkata	2015	---do-----



Plant



Root



I = 254 nm, II = 366 nm and III = after derivatization under white light

Figure 9: TLC Profile of BILVA- Root
Aegle marmelos (L.) Corr.(Fam. - Rutaceae)



Shelf-Life Study of the Formulations:

Shelf life is an important criteria to study the stability of Ayurvedic formulations. This work was started in 2008. Stability studies demonstrate that the medicine will remain suitable for consumption during shelf period when stored under the condition(s) mentioned on the packaging.

Table 5 summarized the studies carried out in different batches of formulation till date.

Table 5: Self-life Studies of the Formulations

S. No.	Formulation	Year
	Karpuradi curna-RRI-T	2008-2010
	Saptasara kvatha curna-RRI-T	2008
	Trayanthyadi kvatha curna-RRI-T & ARIMCHC	2008-2010
	Rasnairandadi kvatha curna-RRI-T	2008
	Lohasava -RRI-T	2008
	Samudradya curna-RRI-T	2008
	Kutajavaleha-RRI-T	2008-2009
	Naracha curna-RRI-T	2008-2009
	Ayush QOL-2C-CSMRIA&SDD	2009-2014
	Ayush A-CSMRIA&SDD	2009-(Under progress till date)
	Ayush AIDS-CSMRIA&SDD	2009
	Induppukana Churna -ARIMCHC	2009-2010
	Brihat gangadhara curna-CSMRIA&SDD	2010
	Lavangadi curna-ARIMCHC	2010
	Vidangarishta-ARIMCHC	2010
	Ayush Manas-CSMRIA&SDD	2011-2015
	Ayush Rasayan -B	2013-(Under progress till date)
	Ayush Rasayan-A	2014-(Under progress till date)
	Ayush C1-Oil	2014-(Under progress till date)
	K-1 Extract	2014-(Under progress till date)



CHAPTER 3

RESEARCH PROJECTS

Research Projects: Completed Research projects

1. “Development of Pharmacopoeial standards of 20 ISM single drugs” sponsored by ISM&H.
2. “Development of SOP’s of manufacturing process of compound ASU formulations and their pharmacopoeial standards”-sponsored by Department of Ayush-8 Siddha formulations.
3. “Development of SOP’s of manufacturing process of compound ASU formulations and pharmacopoeial “sponsored by Department of AYUSH-Monograph on 14 Ayurveda formulations.
4. “Toxicity and Standardizations of Five Ayurvedic formulations” sponsored by WHO-CCRAS(2003-04)
5. “Pharmacognostical, chemical, biochemical, Microbial and pharmacological evaluation of Rasakanti Meluku, Amukkara churanam and Nellikkai Ilakam and six single drugs” sponsored by the Tamil Nadu State AIDS Control Society (TANSACS), Chennai.
6. “Monograph on 68 plants have been studied under the project of Quality standards of Indian Medicinal plants” funded by Indian Council for Medical Research and Published by Indian Council of Medical Research (ICMR).
7. “Development of Marker compounds from 10 medicinal plants and 2 Ayurvedic formulations” sponsored by World Health Organization.(2008-09).3.65322
8. “Development of SOP’s of manufacturing process of compound ASU formulations and their Pharmacopoeial standards”-sponsored by Department of AYUSH, Ministry of health and Family Welfare, Government of India.
9. “Development of SOP’s of manufacturing process of Lepa formulations and their pharmacopoeial standards”-funded by Department of AYUSH, Ministry of health and Family Welfare, Government of India.
10. “Comparative study of Root/Stem bark verses Aerial parts of Ayurvedic drugs” sponsored by APC.
11. “Development of the marker compounds of classical Ayurvedic formulations for 4 Ayurvedic formulations” sponsored by World health Organization(2010-2011)5.15379
12. Standardization and quality control of Gomutra haritaki (GHC, JHC and BHC)-2017.
13. Standardization, quality control and self life of Ayush QL2C (2014).
14. Standardization, quality control and self-life of Ayush Manas (2015).
15. Safety evaluation of selected herbs used in Ayurveda and Siddha Medicine.

Intra Mural Research Projects Completed: Details provided in table 6.

**Table 6: Details of Intra Mural Drug Standardization Research Project**

Project Completed					
S. No.	Title of the Project	Participating Institute	Date of Completion	Present Status(Report submitted/ Papers published)	UC Status
1.	Comparative phytochemical study of root/stem bark/Heartwood versus arial parts of Ayurvedic Drugs	CCRAS, HQ, New Delhi	June, 2015	Technical Report Submitted/ 10 papers	UC submitted
2.	Development of marker compounds for 12 Medicinal Plants, given in API	CSMRIA&SDD, Chennai	April, 2017	Technical Report Submitted/ None	UC submitted
3.	The Standardization and Quantification of three (03) Ayurvedic Plants in respect to the Biologically Active Marker Compounds present therein	NRIADD, Kolkata	April, 2017	Technical Report Submitted/ None	UC submitted
4.	Isolation of marker compounds of some selected medicinal plants	NRIP, Cheruthurthy	October, 2017	Technical Report Submitted/ None	UC submitted
5.	Identification & quantitative estimation of marker compound/PRS for quality assurance/ phyto-chemical evaluation of finished drug& ingredients used in various selected coded formulations developed by CCRAS	CCRAS, HQ, New Delhi	March, 2017	Technical Report Submitted/3 papers	UC not submitted
6.	Comparative phytochemical study of Root/Root bark/Stem bark/Heartwood versus Arial parts of Ayurvedic Drugs	NRIASHRD, Gwalior	November, 2016	Technical Report Submitted/10 papers	UC submitted
7.	Preparation of Nimbatiktam 200 mg. capsule	NRIP, Cheruthurthy	May, 2017	Technical Report Submitted/None	UC submitted
8.	To establish the best procurement time for certain herbs by analyzing the seasonal variation in bioactive secondary metabolite with quantitative HPLC	CSMRIA&SDD, Chennai	May, 2017	Technical Report Submitted/None	UC submitted



2. Project ongoing (4 projects-IMR + Other routine Projects of Council)				
S. No.	Title of the Project	Participating Institute	Date of Initiation with duration	Expected date of Completion
1.	Shelf life study of Churna	NAIPR, Patiala	01.05.2014 for 3 years	2018
2.	Shelf life study of Vati	NAIPR, Patiala	01.05.2014 for 4 years	2018
3.	Shelf life study of Ghrita	NAIPR, Patiala	01.05.2014 for 3 years	2019
4.	Shelf life study of Taila	NAIPR, Patiala	01.05.2014 for 3 years	2019
5	Standardization, quality control and Shelf life study of Ayush Rasayan- A	CSMRIA & SDD, Chennai	2005	Contin.----
6	Standardization, quality control and Shelf life study of Ayush Rasayan- B	---do-----	2005	Contin.----
7	Standardization, quality control and Shelf life study of C1 Oil	---do-----	2009	Contin.-----
8	Standardization, quality control and Shelf life study of K1 leaf	---do-----	2009	Contin.-----
9	Standardization, quality control and Shelf life study of K1 leaf oil	---do-----	2009	Contin.-----
10	Standardization, quality control and Shelf life study of Ayush- A	---do-----	2009	Contin.-----
11	Standardization, quality control and Shelf life study of Ayush – D	---do-----	2009	Contin.-----

Paper published in completed projects

Published papers in Project No. 1

- 1) Comparative Phyto-Chemical Study of Heartwood *versus* Small Branches of *Dalbergia sissoo*L. Using HPTLC –UV Detection Method. **World Journal of Pharmaceutical Research**, 2015, Vol 4, No. 4, PP. 766-778.
- 2) Comparative Phyto-Chemical Study of Stem Bark *versus* Small Branches of *Bombax ceiba*L. Using HPTLC-UV Detection Method. **World Journal of Pharmaceutical Research**, 2015, Vol 4, No. 4, PP. 912-922.



- 3) A Review on Phyto-Chemistry and Pharmacological Activity of Parts of *Mucuna pruriens* used as on Ayurvedic Medicine. **World Journal of Pharmaceutical Research**, 2015, Vol 3, No. 5, PP. 138-158.
- 4) Comparative Phyto-Chemical Study of Stem Bark *versus* Small Branches of *Acacia nilotica* L. using HPTLC-UV Detection Method. **Asian Journal of Research in Chemistry**, 2015, Vol 8, No. 5, PP. 221-227.
- 5) Comparative Phyto-Chemical Study of Stem Bark *versus* Small Branches of *Cassia fistula* L. Using High Performance Thin Layer Chromatographic Ultra Violet Detection Method. **World Journal of Pharmaceutical Research**, 2015, Vol 4, No. 3, PP. 1910-1920.
- 6) Comparative Phyto-chemical Study of Root *versus* Small Branches of *Vitex negundo* L. using High Performance Thin Layer Chromatographic Ultra-violet Detection Method, Verma, S.C., Vashishth, E., Subhani, S., Singh, R., Pant, P., Padhi, M.M., Kumar A., **World Journal of Pharmaceutical Research**, 2015,4(2),1373-1383.
- 7) Comparative Phyto-Chemical Study of Stem Bark *versus* Small Branches of *Butea monosperma* Lam. Using High Performance Thin Layer Chromatographic Ultra Violet Detection Method, Verma, S.C., Vashishth, E., Subhani, S., Singh, R., Pant, P., Padhi, M.M., Kumar A., **World Journal of Pharmaceutical Research**, 2015,4(2),1309-1320.
- 8) Comparative Phyto-Chemical Study of Heartwood *versus* Small Branches of *Ficus religiosa* L. Using High Performance Thin Layer Chromatographic UltraViolet Detection Method, Verma, S.C., Vashishth, E., Subhani, S., Singh, R., Pant, P., Padhi, M.M., Kumar A., **World Journal of Pharmaceutical Research**, 2014, 3(9),1154-1162.
- 9) Development of HPTLC-UV method for comparative phytochemical study of stem bark *versus* small branches of *Ficus racemosa* L. S. C. Verma*, E. Vashishth, S. Subhani, R. Singh, P. Pant, S. Gaidhani, M. M. Padhi, K. S. Dhiman. **World Journal of Pharmaceutical Research**, 2015, Vol 4, No. 7, pp. 493-502.
- 10) Development of HPTLC-UV method for comparative phytochemical study of stem bark *versus* small branches of *Streblus asper* Lour. S. C. Verma, S. Subhani, E. Vashishth, R. Singh, P. Pant, A.K. Mangal, M. M. Padhi, K. S. Dhiman. **World Journal of Pharmaceutical Research**, 2015, Vol 4, No. 7, pp. 503-512.

Published/Communicated papers in Project No. 6

- 1) Evaluation for substitution of stem bark with small branches of *Myrica esculenta* for medicinal use - A comparative phytochemical approach. Bhavana Srivastava, V.C. Sharma, P. Pant, N. K. Pandey A. D. Jadhav. **Journal of Ayurveda and Integrative Medicine** (Article in press).



- 2) Comparative physicochemical, phytochemical and high performance thin layer chromatography evaluation of heart wood and small branches of *Pterocarpus marsupium*. Bhavana Srivastava, Vikas Chandra Sharma, Himanshu Sharma, S. C. Verma, A.D. Jadhav. **Research Journal of Pharmacognosy and Phytochemistry** 2016; 8(2):53-59.
- 3) Evaluation for substitution of heartwood with small branches of *Acacia catechu* for therapeutic use - a comparative phytochemical approach. Bhavana Srivastava, Vikas Chandra Sharma, Arjun Singh, R. Singh, A. D. Jadhav. **Journal of Pharmacognosy and Phytochemistry** 2016; 5(4): 254-258.
- 4) Comparative physicochemical, phytochemical and high performance thin layer chromatography evaluation of heart wood and small branches of *Aquilaria agallocha* Roxb. Bhavana Srivastava, V. C. Sharma, H. Sharma, Pramila Pant, A.D. Jadhav. **International Journal of Ayurveda and Pharma Research** 2016; 4(1): 1-6.
- 5) Comparative physicochemical, phytochemical and high performance thin layer chromatography evaluation of stem bark and small branches of *Ailanthus excelsa* Roxb. Bhavana Srivastava, S.C. Verma, V.C. Sharma, Ektaa Vashisth, Ravindra Singh, A.D. Jadhav. **International Journal of Pharmacognosy** 2016; 3(3):149-155.
- 6) Comparative physicochemical, phytochemical and HPTLC study of stem bark versus small branches of *Flacourtia indica*. Bhavana Srivastava, Vikas Chandra Sharma, Ektaa Vashisth, R. Singh, N. K. Pandey, A.D. Jadhav. **Journal of Scientific and Innovative Research** 2015; 4(6): 227-231.
- 7) Comparative phytochemical study of stem bark versus small branches of *Anthocephalus cadamba* using high performance thin layer chromatography. Bhavana Srivastava, Vikas Chandra Sharma, Ektaa Vashisth, Pramila Pant, A.D. Jadhav. **Journal of Pharmacognosy and Phytochemistry** 2015; 4(4): 93-96.
- 8) Substitution of roots with small branches of *Rauwolfia serpentina* for therapeutic uses - a phytochemical approach. Bhavana Srivastava, Vikas Chandra Sharma, R. Singh, P. Pant, A.D. Jadhav. **Ayushdhara** 2015; 2(6):373-378.
- 9) Substitution of stem bark with small branches in *Ficus lacor* for medicinal use- A comparative phytochemical approach. Bhavana Srivastava, Vikas Chandra Sharma, R. Singh, A. D. Jadhav. **Communicated in AYU** in August, 2016.
- 10) Plant part substitution in *Litsea chinensis* for medicinal use - a comparative phytochemical approach. Bhavana Srivastava, Vikas Chandra Sharma, S. C. Verma, R. Singh, A. D. Jadhav. **Communicated in Ancient Science of Life** in August, 2016.



Published/Communicated papers in Project No. 5

- 1) Parallel quantitative estimation of gallic acid in aqueous extract of *Emblica officinalis* and poly-herbal dosage form (capsule) by RP-HPLC to ascertain the authenticity of this ingredient in the developed formulation. A. Singh, P. Raghaw, B. Dwivedi, R. Singh, P. Pant, M. M. Padhi. **World Journal of Pharmaceutical Research**. Volume 4, Issue 4, 2014, pp734-742.
- 2) Parallel quantitative estimation of Gallic acid in aqueous extract of *Emblica officinalis* and poly-herbal dosage form (capsule) by HPTLC to authenticate the ratio of this ingredient delivered to the final formulation. A. Singh, P. Raghaw, B. Dwivedi, R. Singh, P. Pant, M.M.Padhi. **International Journal of Pharmacy and Technology**. April-2015, Vol. 6, Issue No.4, pp. 7726-7734.
- 3) Identification & Quantification of Boeravinone-B in Whole Plant Extract of *Boerhaavia diffusa* L and in its Polyherbal Formulation. A. Singh*, H. Sharma, R. Singh, P. Pant, N. Srikant and K. S. Dhiman. **Journal of Natural Remedies**. 2017, Vol 17 (3), pp. 88-95.
- 4) Determination of Boeravinone-B content in finished poly-herbal formulation and its ingredient (*Boerhaavia diffusa* L. extract) simultaneously by novel RP-HPLC method: An alternative screening tool. A. Singh, H. Sharma, R. Singh, P. Pant, N. Srikant, K.S. Dhiman. **Journal of Natural Remedies**, 2017, Vol 17 (3), pp. 88-95.



Products Developed by Council:





CHAPTER 4

BOOKS/MONOGRAPHS

Book Published

1. Pharmacopoeial Standards for Ayurvedic Formulations published by Department of ISM&H, M/o Health and Family Welfare, Government of India, 1987.
2. Quality Control Standards for Certain Siddha Formulations, published by Department of ISM&H, M/o Health and Family Welfare, Govt. of India, 1992.
3. Phyto-chemical Investigations of Certain Medicinal Plants Used in Ayurveda” published by Central Council for Ayurveda & Siddha published by Department of ISM&H, M/o Health and Family Welfare, Government of India, 1990.
4. Laboratory Guide for The Analysis of Ayurveda and Siddha Formulations published by Department of ISM&H, M/o Health and Family Welfare, Government of India, 2010.

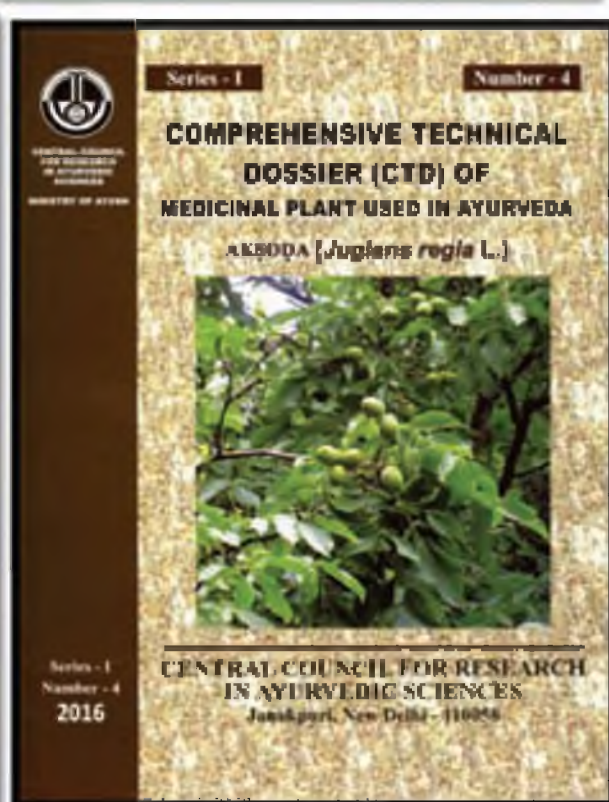
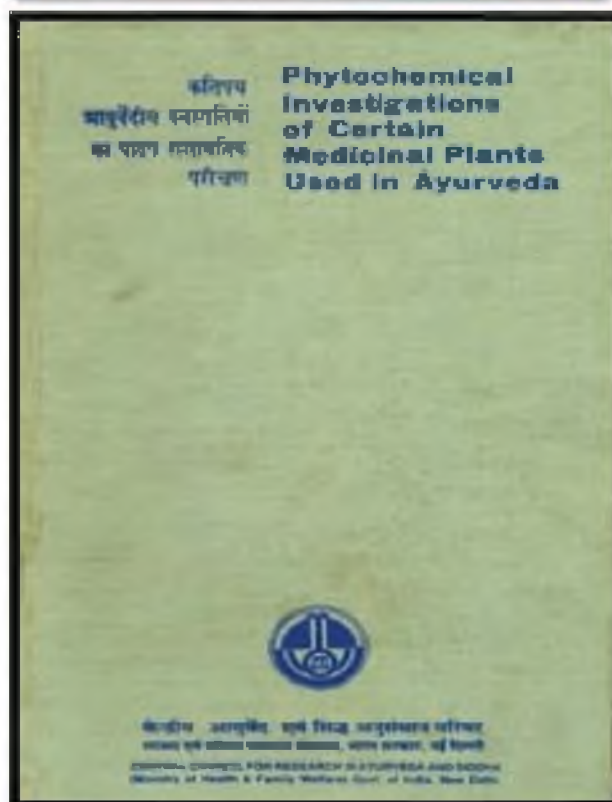
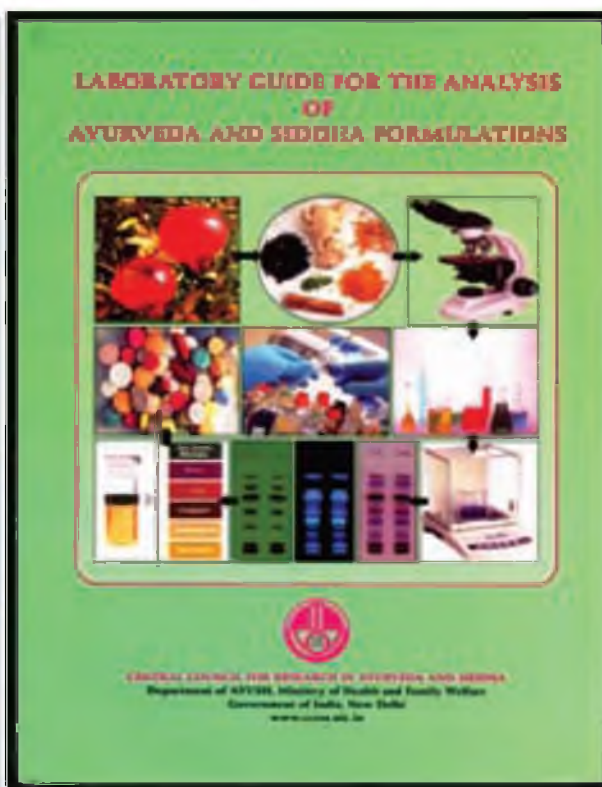
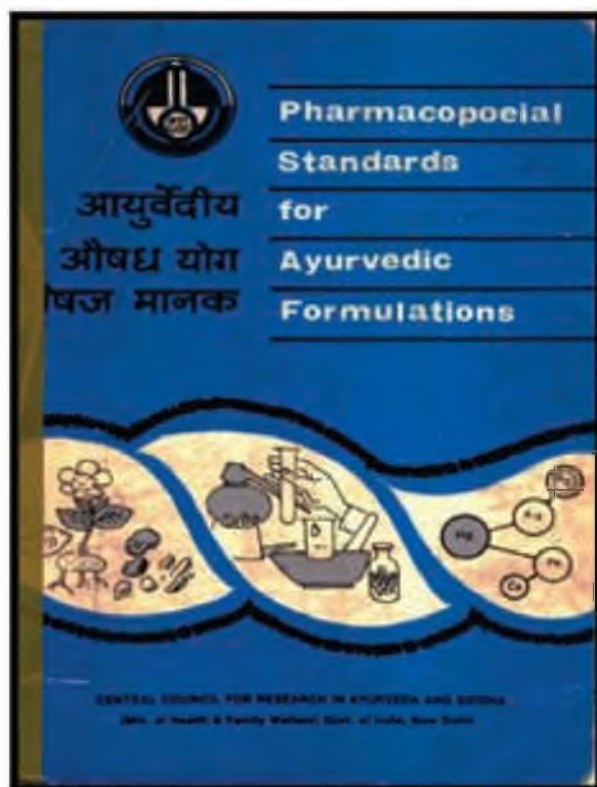
Books/Monographs Contributed to APC

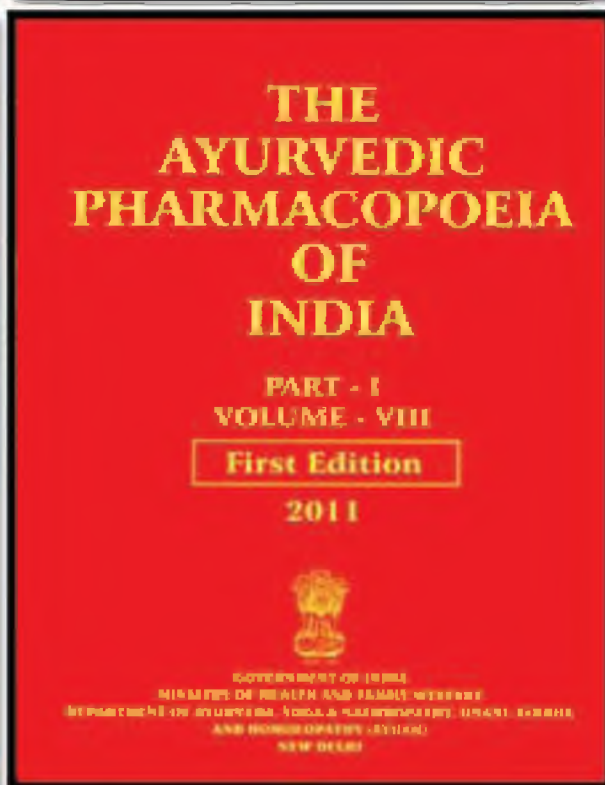
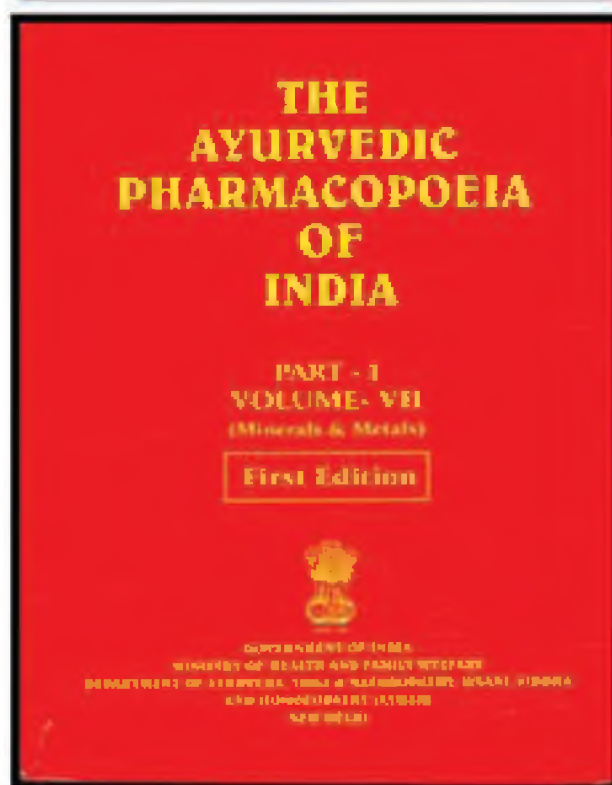
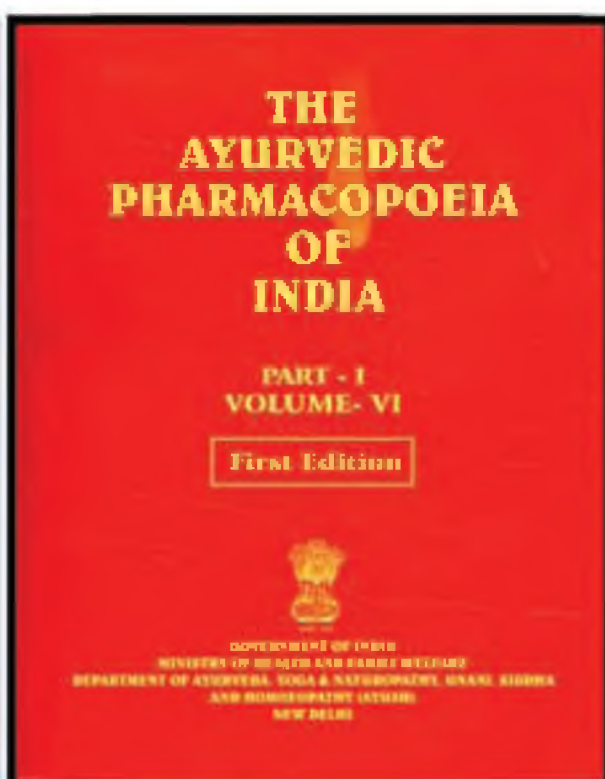
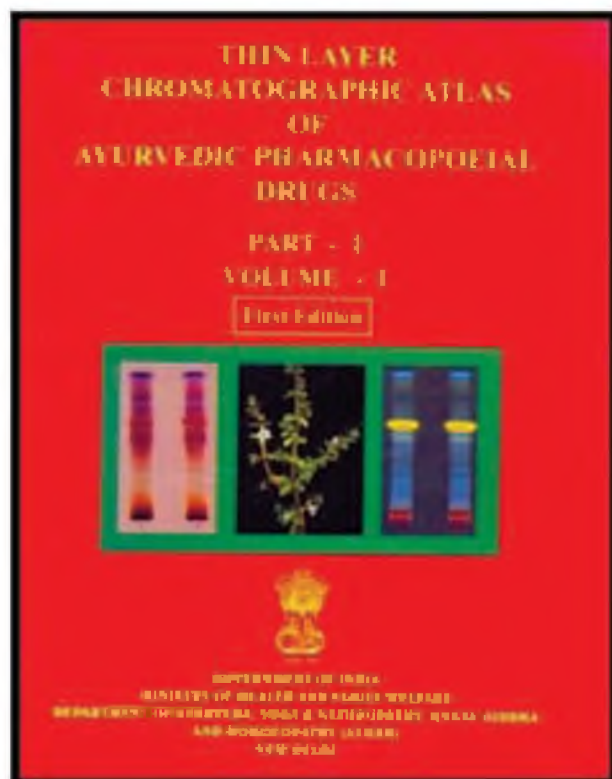
1. Ayurvedic Pharmacopoeia of India, Part-I, Volume-VI, published by Department of AYUSH, M/o H&F.W, Government of India, 2007.
2. Ayurvedic Pharmacopoeia of India, Part-I, Volume-VII, published by Department of AYUSH, M/o H&F.W, Government of India, 2009.
3. Ayurvedic Pharmacopoeia of India, Part-I, Volume-VIII, published by Department of AYUSH, M/o H&F.W, Government of India, 2011.
4. Ayurvedic Pharmacopoeia of India, Part-I, Volume-IX published by PCIM, Department of AYUSH, M/o H&F.W. Govt. of India, 2016.
5. Ayurvedic Pharmacopoeia of India, Part-II, Volume-1, published by Department of AYUSH, M/o H&F.W, Government of India, 2007(Monograph on 10 churna)
6. Ayurvedic Pharmacopoeia of India, Part-II, Volume-II, published by Department of AYUSH, M/o H&F.W. Govt. of India, 2008(Monograph on 4 churna)
7. Ayurvedic Pharmacopoeia of India, Part-II, Volume-III, published by Department of AYUSH, M/o H&F.W. Govt. of India, 2011
8. Ayurvedic Pharmacopoeia of India, Part-IV, Volume-II, published by PCIM, Department of AYUSH, M/o H&F.W. Govt. of India, 2008(Monograph on 10 formulations)- approved.
9. TLC Atlas of Ayurvedic Pharmacopoeial Drugs Pt.I, Vol. I, Department of AYUSH, New Delhi.
10. TLC Atlas of Ayurvedic Pharmacopoeial Drugs Pt.I, Vol. III, Department of AYUSH, New Delhi.

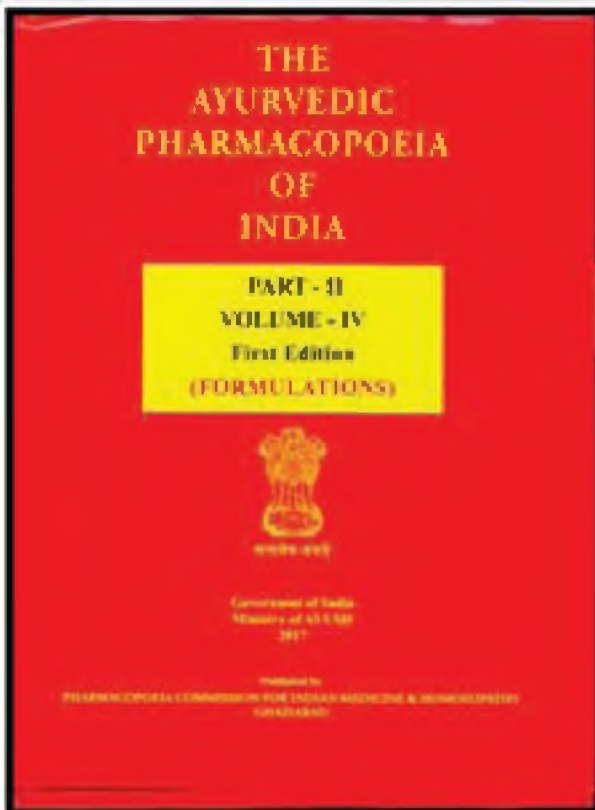
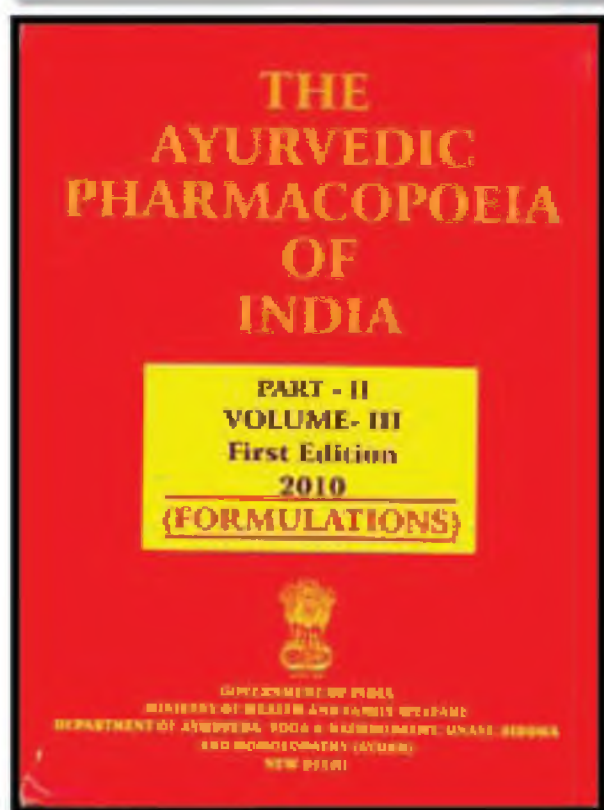
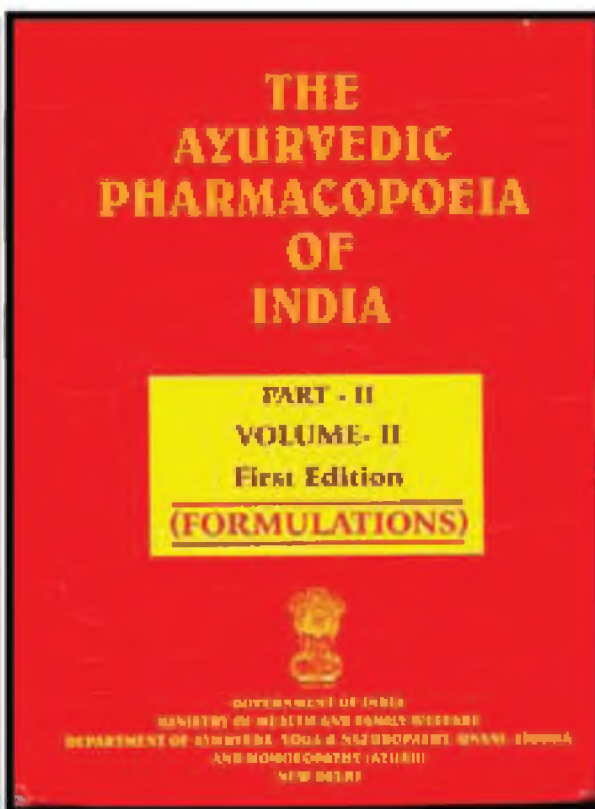
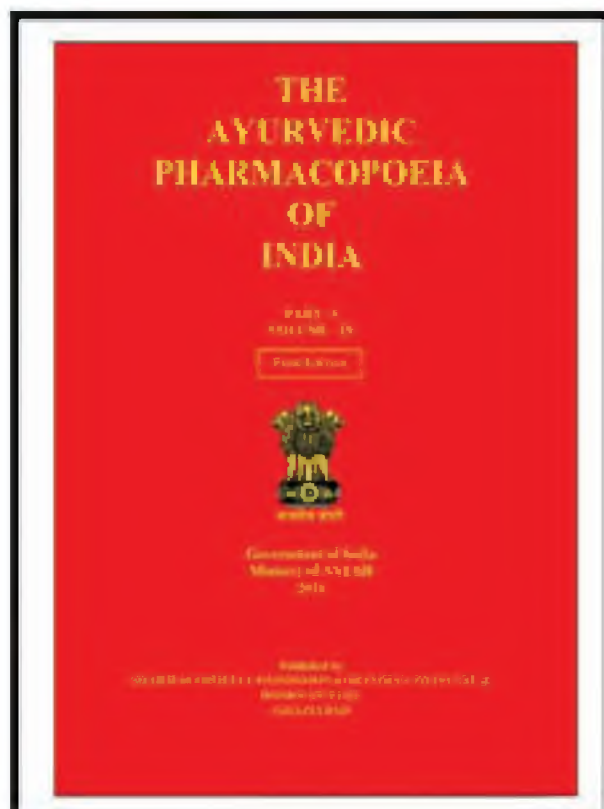


Contribution to Book Chapters

1. “Herbal and AYUSH Medicines- India’s Potential”- Recent Trends in Good Agricultural and Collection Practices for Medicinal Plants with special focus on identification and value addition (2015), CCRAS, Ministry of AYUSH, New Delhi.
2. “Role of Phytochemical Standardisation for Value addition of Medicinal Plants”- Recent Trends in Good Agricultural and Collection Practices for Medicinal Plants with special focus on identification and value addition (2015), CCRAS, Ministry of AYUSH, New Delhi.
3. Chemistry Chapter Contributed to Book “Comprehensive Technical Dossier (CTD) of Medicinal Plants Used In Ayurveda- Vacha (*Acorus calamus* L.), Series-I, No. 1, 2015, CCRAS, Ministry of AYUSH, New Delhi.
4. Chemistry Chapter Contributed to Book “Comprehensive Technical Dossier (CTD) of Medicinal Plants Used In Ayurveda- Palandu (*Allium cepa* L.), Series-I, No. 2, 2015, CCRAS, Ministry of AYUSH, New Delhi.
5. Chemistry Chapter Contributed to Book “Comprehensive Technical Dossier (CTD) of Medicinal Plants Used In Ayurveda- Guggulu (*Commiphora wightii* (Arn.)Bhandari, Series-I, No. 3, 2016, CCRAS, Ministry of AYUSH, New Delhi.
6. Chemistry Chapter Contributed to Book “Comprehensive Technical Dossier (CTD) of Medicinal Plants Used In Ayurveda- Aksoda (*Juglans regia* L.), Series-I, No. 4, 2016, CCRAS, Ministry of AYUSH, New Delhi.









Conclusion

The subject of herbal drug standardization is massively wide and deep. There is so much to know and so much seemingly contradictory theories on the subject of herbal medicines and its relationship with human physiology and mental function.

For the purpose of research work on standardization of herbal formulations and nutraceuticals a profound knowledge of the important herbs found in India and widely used in Ayurvedic formulation is of utmost importance.

India can emerge as the major country and play the lead role in production of standardized, therapeutically effective ayurvedic formulation. India needs to explore the medicinally important plants. This can be achieved only if the herbal products are evaluated and analyzed using sophisticated modern techniques of standardization such as UV-visible, TLC, HPLC, HPTLC, GC-MS, spectrofluorimetric and other methods.

References

1. Ayurvedic Pharmacopoeia of India (API) Part I, Vol I-IX.
2. WHO guidelines for assessing quality of herbal medicines with reference to contaminants and residues, 2007 (who.int/medicinedocs/documents/s14878e/s14878e).
3. Published Annual Reports of the Council from 1969-2016.



ANNEXURE-I

Trial Drugs for Clinical research Project under IMR-PEMC- CCRAS

S. No.	Guggulu	Kwatha Churna/ Churna	Bhasma/ Parpati/ Kshara	Vati/ Gutika	Taila/ Ghrita	Arishta /Asava	Alveha/ Rasayana
1.	Laksha Guggulu	Abhadya Churna	Apamarga Kshara	Sarpaghandha vati	Jatyadi Taila	Draksha sava	Drakshavaleha
2.	Punarnava Guggulu	Brihad Manjisthadi Kwatha Churna	Sveta parpati	Rasnadi Gutika	Kasisadi Taila	Khadira rishta	Madhusnuhi Rasayana
3.	Tryushanadi Guggulu	Brihat Gangadhar Churna	Yashada Bhasma	Mamajj aka ghan vati	Jatyadi ghrat	Draksha rishta	Pugakhanda
4.	Trayodashanga Guggulu	Chandrakala lepa		Nisa amalaki churnam Tablet	Panchaguna Taila.	Abhayarishta	Braham Rasayana
5.	Kanchanara Guggulu	Dashmoola Kwatha Churna		Rajapravartini Vati	Anu Taila		Kantakaryavaleha
6.	Gokshuradri Guggulu.	Eladi Churna		Chandra prabha Vati	Dhanvantara Taila		Kutajavaleha
7.	Kaishora Guggulu	Gokshura Churna.		Eladi Gutika	Panchtiktaguggulu Ghrita		Madhu
8.	Lakshadi Guggulu	Guduchi Churna		Arogyavardhini Vati	Ksheerabala thailam		Puga Khanda
9.	Vyoshadi Guggulu	Haritaki Churna		Mandukaparni Churnam Tablet	Mahatriphaladya Ghrita		
10.	Vatari Guggulu	Hingwashtaka Churna		Prandagutika	Dinesha Valyadi Thailam		
11.	Triphala Guggulu	Madhana phala Churna		Ashwaghandha Churna Tablet	Coconut oil		
12.	Amritha Guggulu	Mustaka kwatha Churna			Brihat Saindhavyadi Thailam		
13.		Panchasama Churna			Indukantaghrita		



14.		Pusyanuga Churna			Brihanma richadya Taila		
15.		Rasnasaptaka Kvatha Churna			Vajraka Ghritham		
16.		Rudraksha Churna			Pinda thailam		
17.		Saptasara Kvatha Churna			Narayna Taila		
18.		Shirishadi Kwath Churna			Balagudu chyadi Taila		
19.		Shunthi Churna					
20.		Shvadamshtadi Kvatha Churna					
21.		Sitopaladi Churna					
22.		Sunthi Churna					
23.		Talishadi Churna					
24.		Triphala Churna					
25.		Vacha Churna					
26.		Varunadi Kwath Churna					
27.		Yashti Churna					
28.		Yatimadhu Kwatha Churna					



ANNEXURE-II

Sample Analyzed for DTL

S. No.	Drug	Test	Year
1.	Talisadi curna	Analysis	2008
2.	Tamra bhasma	Analysis	2008
3.	Sankha bhasma	Analysis	2008
4.	Narayan taila	Analysis	2008
5.	Mukta shukti bhasma	Calcium	2009
6.	Talisadi Churna	Water soluble, alcohol soluble extractive	2009
7.	Narayana taila	Acid value, peroxide value, saponification value, refractive index, rancidity	2009
8.	Khadirarishta	Alcohol content, total reducing sugars, total solids, specific gravity, PH	2009
9.	K-1 extract	Cadmium	2009
10.	Loha bhasma	iron	2009
11.	Tamra bhasma	copper	2009
12.	TCT tablet	Uniformity of weight and disintegration test	2009
13.	Amalaki	Physico-chemical parameters	2009
14.	Haridra	PH, total sugar, reducing sugar	2009
15.	Aristolochia indica	TLC/HPTLC	2009
16.	Aristolochia bracteolata	TLC/HPTLC	2009
17.	Karpuradi Churna	TLC/HPTLC	2009
18.	Mukta shukti bhasma	Calcium	2010
19.	Trigonella foenum graecum	Lead	2010
20.	Loha bhasma	Iron	2010
21.	Bhaskara Lavana	Sodium	2010
22.	Ksheerabala Oil	Acid Value, Peroxide value	2010
23.	Induppu Kana Curna	TLC Photo documentation	2010
24.	Nimbadi Kwatha Churna	HPTLC Fingerprinting	2010
25.	Tamra bhasma	Copper	2010
26.	Draksharista	pH value	2010
27.	Ashokarishata	Reducing & total sugar	2010
28.	Tamra Bhasma and Loha Bhasma	Copper and Iron	2010
29.	Swarnamakshika Bhasma	Copper	2010
30.	Balawagandhadi Thailam	Iodine, Saponificaton & Acid value	2010
31.	Nyogrodhadi Kvatha curna	Ash content & acid insoluble ash	2010
32.	Tamra Bhasma	Copper	2010
33.	Loha bhasma	Iron	2010
34.	Nimbadi Kwatha curna	Alcohol soluble extractive	2010
35.	AOP-1, AOP-2 Amai otu parpam	Calcium Estimation	2012
36.	CBA 1, CBA 2 Cippadessa baccifera- Aerial Parts	TLC and HPTLC finger printing	2012



37.	TC Triphala curna	Ash, acid insoluble ash, LOD, water and alcohol extractives values.	2012
38.	NABL-I and II Balarista	Alcohol content, specific gravity and pH	2012
39.	NABL-III and IV Balarista	Alcohol content, specific gravity, total solids, total sugars, reducing sugars and pH	2012
40.	DTL – 1205206, 1205207, 1205208	Refractive index, Acid value, and HPTLC	2012
41.	HI-1 Hemidesmus indicus	Estimation of Lead and Cadmium	2012
42.	NAR-AY 1.151 Narayana Taila	Refractive index, Acid value, peroxide value, Saponification value and iodine value.	2012
43.	Asokarishta (ASO-AYI 324)	Inter laboratory comparison(Specific gravity, pH, Total solid content, Alcohol content, Total sugar, Reducing sugar, Fat content, Resin content, Saponification value, Acid value, Iodine number, Refractive index, Rancidity)	2013
44.	Drakshadi Leham (DRL 50942)	Inter laboratory comparison(-do-)	2013
45.	Kanchanara Guggulu (KG 182)	Inter laboratory comparison(-do-)	2013
46.	Pinda Talia (PIN AYI 324)	Inter laboratory comparison(-do-)	2013
47.	Khatmi	Cadmium estimation	2014
48.	Bhaskara lavana	Potassium estimation	2014
49.	Nimbadi Kwath Churna	Ash value and Alcohol soluble extractive	2014
50.	Neelibringathi Thailam	Refractive index, Iodine value	2014
51.	Eladi Churnam Tablet	Disintegration time, Uniformity of tablets	2014
52.	Kaseesa bhasma	Iron estimation	2014
53.	Trikatu churna	TLC and HPTLC	2014
54.	Asokaristam	Specific gravity	2014
55.	Ajamotha	Volatile oil content	2014
56.	Drakshadi Leham	Reducing and Total Sugars	2014
57.	Tamra Bhasma	Copper estimation	2014
58.	Muthu Chippi Parpam	Calcium estimation	2014
59.	M-B-16002	Inter lab comparison	2016



ANNEXURE-III

Patent Granted (17)

S. No.	Name of the patent	Patent Granted No./Date
1.	A process for the production of a Lactonic glycoside from <i>Nerium indicum</i> Mill. (syn. <i>N. odorum</i> Sol.)	138350/ Dt. 26.09.73
2.	A process for the production of an Extract useful in the treatment of Bronchial asthma from <i>Mesua ferrea</i> Linn. Seeds	139868/ dt.04.04.74
3.	A process for the production of a Sodium Salt of a natural 2-methyl chromone isolated from the pods of <i>Cassia siamea</i>	140032/ Dt. 04.04.74
4.	A process for the isolation of a Pongaflavone from <i>Pongamia pinnata</i> (L.) Pierre (syn. <i>P.glabra</i>)	140321/ Dt. 04.04.74
5.	A process for the production of a Benzofuran derivative from kojic acid and catechol	139869/ Dt. 04.04.74
6.	AYUSH-56 – Process for preparation of therapeutically active anti-epileptic preparation	141170/ dt. 28.07.1976
7.	A process for the preparation of 9,13-Epoxy-6 β -hydroxy-8 α -Labdone-16,15, 19,20-diolactone 2 known as Nepetaefolinol from the whole plant of <i>Leonotis nepetaefolia</i> Linn	147936/ Dt. 14.08.78
8.	A process for the isolation of Vincristine from <i>Vinca rosea</i>	150019 /Dt. 12.06.79
9.	A process for the preparation of vinblastine from <i>Vinca rosea</i>	150024/Dt. 12.06.79
10.	AYUSH-64 – A process for the preparation of a therapeutically active anti-malarial preparation.	152863/ dt.28.07.1980
11.	A process for preparation of an Ayuvedic formulation for the treatment of Leukemia	191708/ dt.23.08.1999
12.	Ksharsutra - A medicated thread for Ano- rectal diseases	186243/ dt.15.02.2002
13.	A Process for the Preparation of Novel Composition from <i>Swertia chirata</i> Buch. Ham. (Gentianaceae) having Anti-carcinogenic (cancer Preventive) and anti- Tumor (Cancer Therapeutic) Action	191128/ Dt. 26.3.2002
14.	A Process for the Isolation of Amarogentin, Novel Seco-Iridoid Glycoside Possessing Anti-carcinogenic (Cancer Preventive) and Anti- Tumor (Cancer Therapeutic) Action	191129/ Dt. 26.3.2002
15.	AYUSH Ghutti -“A herbo-mineral formulation” for cough and cold	193336/ dt. 8.11.2004
16.	Pharmaceutical ayurvedic preparation	US 6,939,567B1 Dt. 06. 09.2005
17.	BAL RASAYAN - A process for the preparation of a herbo- mineral preparation for general immunity and strengthening of children	196916/ dt.07.07.2006



ANNEXURE-IV

Patent Filed -19

S.No.	Name of the patent	Patent Filed No./Date
1.	A herbal preparation for combating stress borne syndrome in extreme cold conditions	961/DEL/2004 Dt. 27.5.2004
2.	AYUSH-UT Ointment- A novel Ayurvedic herbal cream	1346/DEL/2006 Dt. 06.6.2006
3.	AYUSH –SS granules “A process for preparation of an Ayurvedic herbal compound preparation” for post natal care (to enhance the quality and quantity of breast milk in mother having deficient lactation)	1835/DEL/2008 Dt. 01.8.2008
4.	AYUSH LND Tablet “A process for preparation of an Ayurvedic herbal compound preparation” in Gynecological disorders (to prevent Dysfunctional Uterine Bleeding (DUB)).	1834/DEL/2008 Dt. 01.8.2008
5.	“A process for preparation of an Ayurvedic herbal compound preparation of AYUSH AG Tablet (Shatamuli Mandura)” for Ante natal care	2216/DEL/2008 Dt. 22.09.2008
6.	“A process for preparation of an Ayurvedic herbal compound preparation of AYUSH Panchkola Avleha” for post natal care	2217/DEL/2008 Dt. 22.09.2008
7.	“A process for preparation of an Ayurvedic herbal compound preparation of AYUSH PG Tablet” for Ante natal care	2218/DEL/2008 Dt. 22.09.2008
8.	“A process for preparation of an Ayurvedic herbal compound preparation AYUSH Bala Rakshak Leham ” for paediatric care	2215/DEL/2008 Dt. 22.09.2008
9.	Process for the isolation of Karanjin and Pongapin, two furano Flavonoid compounds possessing superoxide and nitric oxide quenching activities as well as antioxidative properties from the seeds of <i>Pongamia pinnata</i> Pierre (Fabaceae) and a composition prepared thereof for the treatment of <i>Psoriasis Vulgaris</i>	1074/KOL/2008 Dt. 20/06/08
10.	Collaborative Patent Filed in India with IIT, Delhi System for providing restorative/relaxation bathing	1703/DEL/2008 Dt. 18.07.2008
11.	A process for the preparation of an Ayurvedic herbal compound preparation (Ayush Manas) for mental retardation.	2389/DEL/2009 Dt. 19.11.2009



12.	A process for the preparation of an Ayurvedic herbal compound "Ayush QOL-2A" supportive therapy for the improvement of quality of life in HIV/AIDS patients	2108/DEL/2010 Dt. 03.09.2010
13.	A process for the preparation of an Ayurvedic herbal compound preparation Ayush QOL-2C for Supportive therapy for the improvement of Quality of life in Cancer patients.	2715/DEL/2011 Dt. 20.09.2011
14.	A herbal formulation (AYUSH- A) for the treatment of Asthma and process for preparing the same.	3670/DEL/2011 Dt. 15.12.2011
15.	"Emulgel based topical dosage form in sustained manner containing herbal extract for the treatment of Psoriasis and a process for preparing the same"	Applied on 10 th March, 2014 through NRDC (Filing no. awaited)
16.	Development of an Ayurvedic product "Ayush Rasayan A & B" for accelerated and appropriate nutrition to improve the biological competence of body	Applied on 7 th April, 2014 through NRDC (Filing no. awaited)
17.	Development of an Ayurvedic product "CARCTOL-S" for the treatment of cancer and preparing for the same	Applied on Feb., 2015 through NRDC (Filing no. awaited)
18.	Composition for hemoglobin and method of preparation thereof	2589/MUM/2013 Filed on 06/Aug/2013
19.	A process for the preparation of an Ayurvedic herbal compound preparation "AYUSH-D" for the management of Diabetes Mellitus.	Applied on 30 th June, 2016 through NRDC (Filing no. awaited)



ANNEXURE-V

Technology Transferred To Industry (12)

S. No	Product Name	Process
1.	AYUSH-64	A process for the preparation of a therapeutically active anti-malarial preparation.
2.	777 Oil	A process for the preparation of a medicated oil from <i>Wrightia tinctoria</i> for Psoriasis
3.	BAL RASAYAN	A process for the preparation of a herbo- mineral preparation for general immunity and strengthening of children
4.	AYUSH Ghutti	A herbo-mineral formulation for cough and cold
5.	AYUSH-56	Process for preparation of therapeutically active anti-epileptic preparation
6.	AYUSH –SS granules	A process for preparation of an Ayurvedic herbal compound preparation for post natal care (to enhance the quality and quantity of breast milk in mother having deficient lactation)
7.	AYUSH AG Tablet	A process for preparation of an Ayurvedic herbal compound preparation of AYUSH AG Tablet (Shatamuli Mandura)for Ante natal care
8.	AYUSH PK Avleha	A process for preparation of an Ayurvedic herbal compound preparation of AYUSH Panchkola Avlehafor post natal care (to enhance the process of recovery after delivery and other complications of puerperal period)
9.	AYUSH PG Tablet	A process for preparation of an Ayurvedic herbal compound preparation of AYUSH PG Tabletfor Ante natal care
10.	AYUSH B R Leham	A process for preparation of an Ayurvedic herbal compound preparation AYUSH Bala Rakshak Leham for paediatric care
11.	AYUSH 82	An Anti Diabetic Ayurvedic Formulation
12.	AYUSH SG	An Anti-Rheumatoid Arthritis preparation



ANNEXURE-VI

Monographs Developed for Ayurvedic Pharmacopoeia of India(API)

S.No.	Formulation
1.	Avipattikara curna
2.	Amalkyadi curna
3.	Eladi curna
4.	Talisadi curna
5.	Navayasa curna
6.	Pusyanuga curna
7.	Nimbadi curna
8.	Balacaturbhadrika curna
9.	Pancasama curna
10.	Vaiswanar curna
11.	Lavanabjaskara curna
12.	Jatiphaladi curna
13.	Narasimha curna
14.	Gomutra haritaki
15.	Intuppukan curna
16.	Naraca curna
17.	Hutabhugadi curna
18.	Karpuradi curna
19.	Bhallataka Rasayan
20.	Brhat Gangadhara curna
21.	Langli taila (M)
22.	Langli taila (NM)
23.	Changeri ghrita.
24.	Dasanga lepa,
25.	Avalagujadi lepa,
26.	Pathyadi lepa,
27.	Vrddhihara lepa
28.	Gandhakadya malhar
29.	Paradadi lepa,
30.	Tutthadi lepa,



31.	Rasottamadi lepa curna,
32.	Saraspadi Lepa,
33.	Grahadhumiadi lepa
34.	Kantakaryavaleha AFI
35.	Kutajavaleha AFI
36.	Satavari guda AFI
37.	Brahma rasayan AFI
38.	Agastya Haritaki Rasryan AFI
39.	Intuppukana Curna
40.	Karpuradi Curna
41.	Bhrat Gangadhar Curna
42.	Bhallatak Rasayana
43.	Samangadi Curna
44.	Hutabhugadi Curna
45.	Naraca Curna
46.	Langali Taila Murchit
47.	Langali Taila Non Murchit
48.	Cangeri Ghrita Murchit



ANNEXURE-VII

Monographs Contributed to Siddha Pharmacopoeia of India

S.No.	Formulation
1.	Venpucani Ilakam
2.	Cuvaca Kutori
3.	Terran Kottai Ilakam
4.	Kalnar parpam
5.	Mekanatak Kulikai
6.	Karunai Ilakam
7.	Ilanirk Kulampu
8.	Kunkilliya parpam



ANNEXURE-VIII

Analytical Standardization of Formulation

Analytical Standardization of Formulation		
S.no.	Formulation	Year
1	Avipathikar Churna-CSMRIM	1978
2	Bhaskar lavan churna-CSMRIM	1978
3	Lohasav-CSMRIM	1978
4	Draksharista-CSMRIM	1978
5	Amiritarista-CSMRIM	1978
6	Kumaryasava-CSMRIM	1978
7	Ashwagandharista-CSMRIM	1978
8	Abhayarista-CSMRIM	1978
9	Triphala Ghrita-CSMRIM	1978
10	Madhusnuhi rasayana--DSPJ	1978
11	Dashamula Kwatha-DSPJ	1978
12	Kutajaghana vati--DSPJ	1978
13	Pancha Tikta ghrita guggulu-DSPJ	1978
14	Gangadhara churna -DSPJ	1978
15	Vishagarbha Taila-DSPJ	1978
16	Panchaguna Tiala -DSPJ	1978
17	Kamadudha Rasa-DSPJ	1978
18	Gandhaka rasayana-DSPJ	1978
19	Hidayarnava rasa-DSPJ	1978
20	Lepa guti-DSPJ	1978
21	Punarnava Mandoor-DSPJ	1978
22	Yavakshara-DSPJ	1978
23	Maharasnadi Kwatha-DSPJ	1978
24	Punarnava guggulu-DSPJ	1978
25	Sudarshana ghana vati-DSPJ	1978
26	Astabnga Lavana-DSPJ	1978
27	Sayavaryadi Churna-DSPJ	1978
28	Swadista virechana Churna-DSPJ	1978
29	Satavari Mandura-DSPJ	1978
30	Navajeevana Rasa-DSPJ	1978
31	Visha Tinduka Vati-DSPJ	1978
32	Lavanga Taila-DSPJ	1978
33	Maha Shankhavati-DSPJ	1978
34	Chandraprabhavati-DSRPV	1978
35	Sitapaladi Churna-DSRPV	1978
36	Khadiradi gutika (Kasa and ukha rogadohikara)\	1978



37	Jatiphaladi churna-DSRPV	1978
38	Karpura Rasa-DSRPV	1978
39	Ladhunadi vati-DSRPV	1978
40	Bilwadi vati-DSRPV	1978
41	Simhanada guggulu-DSRPV	1978
42	Yogaraja Guggulu - SRP-V	1978
43	Shankhavati-DSRPV	1978
44	Jatyadi Tail-DSRPV	1978
45	Tribhuvana Keerti godanti Mishrana-DSRPV	1978
46	Sanjivani godanti Mishrana-DSRPV	1978
47	Godanti Pippali Mula Mishrana-DSRPV	1978
48	Shankha Suthashekar Mishtana-DSRPV	1978
49	Suta shekar Rasa-DSRPV	1978
50	Lakshmi vilas Rasa-DSRPV	1978
51	Arogyavardhini misrana --DSRPV	1978
52	Pravala Pisti-DSRPV	1978
53	Mukta Pisti-DSRPV	1978
54	Jaharmohara Pisti -DSRPV	1978
55	Sangeyahud pisti -DSRPV	1978
56	AYUSH AC1	1979
57	AYUSH AC4	1979
58	AYUSH 55	1979
59	AYUSH 56	1979
60	AYUSH 57	1979
61	AYUSH 64	1979
62	Mushika Taila- CSMDRIA	1981
63	Laghu Vishagarbha Taila- CSMDRIA, SRP-J	1981
64	Maha Lakshadi Taila- CSMDRIA	1981
65	Vishnu Taila- CSMDRIA, SRP-V	1981
66	Vyaghri Taila- CSMDRIA	1981
67	Drakshadi Vati - CSMDRIA, SRP-V	1981
68	Kutaja Ghanavati - CSMDRIA	1981
69	Madhyama Narayana Taila- CSMDRIA	1981
70	Marichyadi Taila- CSMDRIA, SRP-J	1981
71	Panchaguna Taila- CSMDRIA	1981
72	Arkavati - CSMDRIA,SRP-V	1981
73	Kshara Taila- CSMDRIA,SRP-J	1981
74	Guduchyadi Taila- CSMDRIA	1981
75	Brihan Marichyadi Taila - CSMDRIA	1981
76	Vridhhihara Churna - CSMDRIA, SRP-J	1981



77	Astangavaleha - CSMDRIA	1981
78	Eranda Paka - CSMDRIA	1981
79	Ardrakhandavaleha - CSMDRIA, SRP-J	1981
80	Kalyanavaleha - CSMDRIA	1981
81	Punarnavyaristam - CSMDRIA	1981
82	Palasha Bijadi Churna- CSMDRIA	1981
83	Apamarga Kshara Taila - CSMDRIA, SrP-J, SrP-V	1981
84	Brihat Ashvagadha Ghrita - CSMDRIA	1981
85	Brihat Chagaladya Ghrita - CSMDRIA	1981
86	Vyaghri Haritaki - SRP-J	1981
87	Gandhaka Rasayana - SRP-J	1981
88	Angadmarda Prashaman Kwatha - SRP-J	1981
89	Krimigsha Kwatha- SRP-J	1981
90	Hingvadi Taila - SRP-J	1981
91	Jawaraghi Gutika - SRP-J, SRP-V	1981
92	Maha Shankhavati - SRP-J	1981
93	Samshamani Vati - SRP-J, SRP-V	1981
94	Shveta Parpati (Kshara Parpati) - SRP-J	1981
95	Tamra Parpati- SRP-J	1981
96	Akika Pisti- SRP-J, SRP-V	1981
97	Jaharmohara Pisti - SRP-J, SRP-V	1981
98	Shothari Mandoora - SRP-J, SRP-V	1981
99	Brahmi Vati - SRP-J	1981
100	Brihat Vangeshwara Rasa - SRP-J	1981
101	Brihat Purnnachandra Rasa - SRP-J	1981
102	Garbha Pala Rasa - SRP-J, SRP-V	1981
103	Hiranya Garbha Potali Rasa - SRP-J	1981
104	Kalakuta Rasa - SRP-J	1981
105	Lilavilas Rasa - SRP-J, SRP-J	1981
106	Jvarankusha Rasa - SRP-J	1981
107	Smriti Sagara Rasa - SRP-J	1981
108	Svarna Suthashekhara Rasa - SRP-J	1981
109	Vasanta Tilaka Rasa - SRP-J	1981
110	Brihat Vidyadharabhra Rasa - SRP-J	1981
111	Krvyada Rasa - SRP-J	1981
112	Pudinarka - SRP-V	1981
113	Gaduchi Lauha - SRP-V	1981
114	Navayasa Lauha - SRP-V	1981
115	Rakta Pittantaka Lauha - SRP-V	1981
116	Shatamulyadi Lauha - SRP-V	1981



117	Shilajitvadi Lauha - SRP-V	1981
118	Yogaraja Guggulu - SRP-V	1981
119	Varatika Bhasma - SRP-V	1981
120	Tara Mandura - SRP-V	1981
121	Sphatila Bhasma - SRP-V	1981
122	Triphala Mandura - SRP-V	1981
123	Abhayavati - SRP-V	1981
124	Boladi Vati - SRP-V	1981
125	Brihannareshwara Vati - SRP-V	1981
126	Sarpagandha Ghana Vati- SRP-V	1981
127	Sukha Virechana Vati - SRP-V	1981
128	Brihat Agnikumara Rasa - SRP-V	1981
129	Ajirruakomta Rasa - SRP-V	1981
130	Amavatari Rasa - SRP-V	1981
131	Balarka Rasa - SRP-V	1981
132	Chandramshu Rasa - SRP-V	1981
133	Dantodbhedagadantaka Rasa - SRP-V	1981
134	Grahani Kapata Rasa - SRP-V	1981
135	Gulma Kalarala Rasa - SRP-V	1981
136	Hinguleshwara Rasa - SRP-V	1981
137	Jalodari Rasa - SRP-V	1981
138	Kamadudha Rasa - SRP-V	1981
139	Kanaka Sundara Rasa - SRP-V	1981
140	Krimikuthara Rasa - SRP-V	1981
141	Laghusuthashekhara Rasa - SRP-V	1981
142	Maha Mudgara Rasa - SRP-V	1981
143	Naracha Rasa - SRP-V	1981
144	Nagarjunabhra Rasa - SRP-V	1981
145	Nityanaanda Rasa - SRP-V	1981
146	Nripati Vallabha Rasa - SRP-V	1981
147	Panchanana Rasa - SRP-V	1981
148	Piyauha Valli Rasa - SRP-V	1981
149	Pratapa Lankeshvana Rasa - SRP-V	1981
150	Pradarantaka Rasa - SRP-V	1981
151	Pravala Panchamiritha Rasa - SRP-V	1981
152	Brihat vidhyadharabha rasa - PSRUJ	1982
153	Kanta vallabha rasa- PSRUJ	1982
154	Mahalaksadi taila- PSRUJ	1982
155	Laghu puga khanada- PSRUJ, PSRUJ	1982
156	Vyaghri taila - PSRUJ	1982



157	Brihat sringarabhara rasa- PSRUJ	1982
158	Kravyada rasa- PSRUJ, PSRUV	1982
159	Yakrit plihari loha-PSRUJ, PSRUV	1982
160	Gandhaka Rasayana rasa-PSRUJ	1982
161	Gulmakalanala rasa-PSRUJ	1982
162	Hemagarbha pottali rasa-PSRUJ	1982
163	Hemantha rasa-PSRUJ	1982
164	Hisika churna-PSRUJ	1982
165	Jalodarri rasa-PSRUJ	1982
166	Sri jayamangala rasa -PSRUJ	1982
167	Swasa kasa chintamani rasa-PSRUJ, PSRUV	1982
168	Adarakhandavaleha -PSRUV	1982
169	Asatangavaleha-PSRUV	1982
170	Bahusalaguda-PSRUJ	1982
171	Erand paka-PSRUJ	1982
172	Vyaghri haritaki-PSRUV	1982
173	Panchamarit loha guggulu-PSRUV	1982
174	Vatagajankusha rasa-PSRUV	1982
175	Vajra kapata rasa-PSRUV	1982
176	Sweta parpati-PSRUV	1982
177	Tamra parpati-PSRUV	1982
178	Sarpagandha ghanavati-CSMDRIAM	1982
179	Guduchyadi Ghana vati-CSMDRIAM	1982
180	Abhaya vati-CSMDRIAM	1982
181	Trina panchamula kwatha-CSMDRIAM	1982
182	Draksadi vati-CSMDRIAM	1982
183	Sukhavirechani vati-CSMDRIAM	1982
184	Bhuvaneshwara vati-CSMDRIAM	1982
185	Dantdhabhedantaka rasa-CSMDRIAMTriphala mandura-CSMDRIAM	1982
186	Varatika bhasma-CSMDRIAM	1982
187	Aruna ghrta-PSRUV	1982
188	Brihat aswagandha ghrta-PSRUV	1982
189	Brihat chagaladya ghrta-PSRUV	1982
190	Aswagandha tailaa-PSRUV	1982
191	Bayuccavya saindhva taila-PSRUV	1982
192	Dasamula taila-PSRUV	1982
193	Guducydi taila-PSRUV	1982
194	Ksara taila-PSRUV	1982
195	Kubja prasarini taila-PSRUV	1982
196	Maha raskasa taila-PSRUV	1982



197	Maha narayana taila-PSRUV	1982
198	Pamacaguna taila-PSRUV	1982
199	Laghu Visgarbha taila-PSRUV	1982
200	Brihat maricyadi taila-PSRUV	1982
201	Gandhakadya malahara-PSRUV	1982
202	Pouadodi lepa-PSRUV	1982
203	Sweta malahara -PSRUV, CSMDRIAM	1982
204	Nayanamritanjana-PSRUV	1982
205	Nagarjuna-PSRUV	1982
206	Kravyada rasa-PSRUV	1982
207	Mahajvaramkusa rasa-PSRUV	1982
208	Momuatubhra rasa -PSRUV	1982
209	Puspadhanva rasa-PSRUV	1982
210	Sri Ramabana rasa-PSRUV	1982
211	Purna caondra rasa-PSRUV	1982
212	Smritisagara rasa -PSRUV	1982
213	Sringarabhra rasa-PSRUV	1982
214	Svachanda bhairava rasa-PSRUV	1982
215	Tarakeswara rasa-PSRUV	1982
216	Unmada gaja kasari rasa -PSRUV	1982
217	Shatamulyadi lauh -CSMDRIAM	1983
218	Rakta Pittantaka lauh -CSMDRIAM	1983
219	Shothari mandoora -CSMDRIAM	1983
220	Tamra mandoora-CSMDRIAM	1983
221	Nagarjunabhra rasa -CSMDRIAM	1983
222	Laghusutasekhara rasa -CSMDRIAM	1983
223	Gandhaka Rasayana rasa-CSMDRIAM	1983
224	Hinguleshwara rasa-CSMDRIAM	1983
225	Tarakeshwara rasa-CSMDRIAM	1983
226	Navayasa lauh-CSMDRIAM	1983
227	Shilajitvadi lauh-CSMDRIAM	1983
228	Guduchi lauh-CSMDRIAM	1983
229	Pudinaarka-CSMDRIAM	1983
230	Madhusnuhi rasayana-PSRUJ	1983
231	Dasamula kwatha churna -PSRUJ	1983
232	Maharasnadi kwatha churna-PSRUJ	1983
233	Kutajaghana vati-PSRUJ	1983
234	Panch tikta guggulu Ghrita -PSRUJ	1983
235	Gangadhara churna-PSRUJ	1983
236	Visagarbha taila (Laghu & Brhat) -PSRUJ	1983



237	Panchaguan taila -PSRUJ	1983
238	Kambudha rasa-PSRUJ	1983
239	Haridayanava rasa -PSRUJ	1983
240	Lepa gute -PSRUJ	1983
241	Punarnana mandoora-PSRUJ	1983
242	Yavakara-PSRUJ	1983
243	Punarnava guggulu-PSRUJ	1983
244	Sudarsanghana vati-PSRUJ	1983
245	Astanga lavana-PSRUJ	1983
246	Stavaryadi churna-PSRUJ	1983
247	Swadistavirecana churna-PSRUJ	1983
248	Navajivana rasa -PSRUJ	1983
249	Visatinduka vati-PSRUJ	1983
250	Lavanga taila-PSRUJ	1983
251	Mahasankha vati -PSRUJ	1983
252	Kikkutandatvak bhasama-PSRUJ, -PSRUV	1983
253	Sphatika bhsama-PSRUJ	1983
254	Godanti mishrana-PSRUJ, -PSRUV	1983
255	Gandhaka misrana-PSRUJ, PSRUV	1983
256	Stavari mandura misrana -PSRUJ, -PSRUV	1983
257	Sukha virecena misrana -PSRUJ, -PSRUV	1983
258	Pratapalankeshvara rasa-PSRUJ	1983
259	Arogyavardhini misrana -PSRUJ, -PSRUV	1983
260	Tribhuvanki riti misaran -PSRUJ, -PSRUV	1983
261	Kamdudha misarana -PSRUJ, -PSRUV	1983
262	Tankara bhasma -PSRUJ, -PSRUV	1983
263	Jaha mohar bhasma -PSRUJ	1983
264	Sangeyahud pisti -PSRUJ	1983
265	Mayurapiccha bhasma-PSRUJ	1983
266	Arsakuthara rasa -PSRUJ	1983
267	Garbha pala rasa-PSRUJ	1983
268	Bolabaddha rasa -PSRUJ	1983
269	Smrtisagara rasa -PSRUJ	1983
270	Brahmi vati-PSRUJ	1983
271	Sarivadi vati-PSRUJ	1983
272	Arshoghni vati-PSRUJ	1983
273	Asthisandhanakao lepa -PSRUJ	1983
274	Gandhaka rasayana -PSRUJ, -PSRUV	1983
275	Jvaranuksha rasa-PSRUV	1983
276	Manikya rasa-PSRUV	1983



277	Nidrodaya rasa-PSRUV	1983
278	Satavaryadi ghrta-PSRUV	1983
279	Srpagandha mishrana-PSRUV	1983
280	Jvarankusha Rasa - SRP-V	1984
281	Bolabaddha rasa - SRP-V	1984
282	Mayooro pichha bhasma- SRP-V	1984
283	Ahiphenasava- SRP-V	1984
284	Kanakasava- SRP-V,- SRP-J	1984
285	Kumaryasava-B- SRP-V, SRP-J	1984
286	Mridvikarista- SRP-V, SRP-J	1984
287	Parthadyarista- SRP-V, SRP-J	1984
288	Amrita bhallataka loha- SRP-V, SRP-J	1984
289	Eladi rasyana - SRP-V, SRP-J	1984
290	Jirakadya modaka- SRP-V, SRP-J	1984
291	Rajat bhasma- SRP-V	1984
292	Sawarna makshika bhasma-SRP-V	1984
293	Panchanimba churna-SRP-J	1984
294	Ashvagandha taila-SRP-J	1984
295	Madhyama Narayana Taila-SRP-J	1984
296	Nityananda Rasa - SRP-J	1984
297	Manmathabhra rasa-SRP-J	1984
298	Mrita sanjivani sura-SRP-V, SRP-J	1984
299	Karpoorasava-SRP-J	1984
300	Pudinarka - CSMDRIA	1984
301	Rasasaptaka kwatha- CSMDRIA	1984
302	Phala trikadi kwatha- CSMDRIA	1984
303	Ajirna kantaka rasa- CSMDRIA	1984
304	Grahani Kapata Rasa - CSMDRIA	1984
305	Kanta vallabha rasa- CSMDRIA	1984
306	Arkadikwatha- CSMDRIA	1984
307	Amavatari Rasa- CSMDRIA	1984
308	Brihatagnikumararasa- CSMDRIA	1984
309	Unmada gaja kasari rasa - CSMDRIA	1984
310	Chambramushu rasa- CSMDRIA	1984
311	Garbha chintamani rasa- CSMDRIA	1984
312	Garbha pala rasa- CSMDRIA	1984
313	Nidrodaya rasa- CSMDRIA	1984
314	Purna chandra rasa- CSMDRIA	1984
315	Sri jayamangala rasa - CSMDRIA	1984
316	Sri ramabana rasa- CSMDRIA	1984



317	Svachanda bhairava rasa- CSMDRIA	1984
318	Swarna bhasma-CSMDRIA	1985
319	Sarvato Bhadra vati(without gold)-CSMDRIA	1985
320	Hiranya Garbha Potali Rasa -CSMDRIA	1985
321	Hemagarbha pottali rasa-CSMDRIA	1985
322	Gandamala khadana rasa-CSMDRIA	1985
323	Puspadhava rasa-CSMDRIA	1985
324	Maha shankha vati -CSMDRIA	1985
325	Naracha Rasa -CSMDRIA	1985
326	Arshakuthara rasa-CSMDRIA	1985
327	Simhanda guggulu-PSRUJ	1985
328	Nagabhasma-PSRUJ	1985
329	Ashvagandhadi churna-PSRUJ	1985
330	Ahiphenasava(without Ahiphena)-PSRUJ	1985
331	Ashokarista-PSRUV	1985
332	Chandamaruta rasa-PSRUV	1985
333	Dhatri loha-PSRUV	1985
334	Guduchi taila-PSRUV	1985
335	Ichbhedi rasa-PSRUV	1985
336	Laksha guggulu-PSRUV	1985
337	Marichadi gutika-PSRUV	1985
338	Pippalyadi loha-PSRUV	1985
339	Swasa kuthara rasa-PSRUV	1985
340	Trikatu churna-PSRUV	1985
341	Vasavaleha-PSRUV	1985
342	Jvarasani Rasa	1992
343	Mukka Vidrumanjana Rasa	1992
344	Sarva Jvara Hara Loha	1992
345	Lokanath Rasa	1992
346	Neem oil	1992
347	Chandra Prabha Vati	1992
348	Kutajarista	1992
349	Agnitundi vati-RRI-T	1997
350	Kanaksava-RRI-T	1997
351	Kutajarista-RRC-B	1997
352	Citrak haritaki-DSRP-J	1997
353	Dasmool kaduthraya kwatha-RRI_T	1997
354	Vyosadi guggulu-RRI-T	1997
355	Samangadi curna-RRI-T	1997
356	Prabhakar vati-RRI-T	1997



ANNEXURE-IX

MONOGRAPHS ON QUALITY STANDARDS OF INDIAN MEDICINAL PLANTS by CSMRADDI Centre-Chennai, PUBLISHED by ICMR, NEW DELHI.		
S.No	Plant Name /Monograph on Plant	Volume
1	<i>Acacia nilotica</i> (Linn.) Willd. Ex Delile ssp. <i>Indica</i> (Benth.) Brenan	Volume - 5
2	<i>Alangium salvifolium</i> (Linn.f.) Wang. Var. <i>salvifolium</i>	
3	<i>Bauhinia variegata</i> Linn	
4	<i>Bombax ceiba</i> Linn.	
5	<i>Derris indica</i> (Lamk.) Bennet	
6	<i>Ferula assa-foetida</i> Linn.	
7	<i>Oxalis corniculata</i> Linn.	
8	<i>Citrus aurantifolia</i> (Christm. & Panz.)Swingle	Volume - 6
9	<i>Cleome gynandra</i> Linn.	
10	<i>Ipomoea digitata</i> Linn	
11	<i>Salvadora persica</i> Linn.	
12	<i>Sarcostemma acidum</i> (Roxb.) Voigt	
13	<i>Sesbania sesban</i> (Linn.) Merr.	
14	<i>Shorea robusta</i> Gaertn.	
15	<i>Terminalia alata</i> Heyne ex Roth	Volume - 7
16	<i>Terminalia alata</i> Heyne ex Roth	
17	<i>Caesalpinia sappan</i> Linn.	
18	<i>Curcuma zedoaria</i> (Christm.) Rosc.	
19	<i>Elaeocarpus sphaericus</i> (Gaertn.) K. Schum.	
20	<i>Garcinia indica</i> (Thouars) Choisy	
21	<i>Illicium griffithii</i> Hook. f. & Thoms.	
22	<i>Nymphaea nouchali</i> Burm.f.	
23	<i>Nymphaea pubescens</i> Willd.	
24	<i>Sesbania bispinosa</i> (Jacq.) W.F.Wight	
25	<i>Solanum villosum</i> Mill. ssp. <i>villosum</i> Edmonds	



26	<i>Tamarindus indica</i> Linn.	
27	<i>Vernonia conyzoides</i> DC.	
28	<i>Andrographis paniculata</i> (Burm.f.) Wall. Ex Nees.	Volume - 8
29	<i>Bocopa monnieri</i> (Linn.) Pennell	
30	<i>Centella asiatica</i> (Linn.) Urban	
31	<i>Curcuma longa</i> Linn.	
32	<i>Embllica officinalis</i> Gaertn.	
33	<i>Phyllanthus amarus</i> Schum. & Thonn.	Volume - 8
34	<i>Piper nigrum</i> Linn.	
35	<i>Solanum virginianum</i> Linn.	
36	<i>Tribulus terrestris</i> Linn.	
37	<i>Zingiber officinale</i> Rosc.	
38	<i>Acacia nilotica</i> (Linn.) Willd. Ex Delile ssp. Indica (Benth.) Brenan	
39	<i>Achyranthes aspere</i> Linn	
40	<i>Aloe vera</i> (Linn.) Burm.f.	
41	<i>Boerhavia diffusa</i> Linn.	
42	<i>Cedrus deodara</i> (Roxb. Ex D.Don) G.Don	Volume - 9
43	<i>Ficus racemosa</i> Linn.	
44	<i>Glycyrrhiza glabra</i> Linn.	
45	<i>Michelia champaca</i> Linn.	
46	<i>Picrorhiza kurrooa</i> Royle ex Benth.	
47	<i>Swertia chirayita</i> (Roxb. Ex Fleming) Karsten	
48	<i>Abroma augusta</i> (Linn.) Linn. F.	
49	<i>Apium leptophyllum</i> (Pers.) F. Muell. Ex Benth.	
50	<i>Betula utilis</i> D. Don	
51	<i>Cucurbita pepo</i> Linn.	Volume - 10
52	<i>Cyampsis tetragonoloba</i> (Linn.) Taub	
53	<i>Cymbopogon citrates</i> (DC.) Stapf.	
54	<i>Derris indica</i> (Lamk.) Bennet	



55	<i>Mammea suriga</i> (Buch.-Ham. Ex Roxb.) Kosterm.		
56	<i>Tridax procumbens</i> Linn.		
57	<i>Vitex agnus-castus</i> Linn.		
58	<i>Achyranthes bidentata</i> Blume	Volume - 11	
59	<i>Hibiscus sabdariffa</i> Linn.		
60	<i>Nerium indicum</i> Mill.		
61	<i>Plantago ovate</i> Forssk.		
62	<i>Trianthema decandra</i> Linn.		
63	<i>Artocarpus heterophyllus</i> Lamk.	Volume – 13, 2015	
64	<i>Atropa belladonna</i> Linn.		
65	<i>Bambusa bambos</i> (Linn.) Voss.		
66	<i>Cymbopogon martini</i> (Roxb.) W. Wats		
67	<i>Viola odorata</i> Linn.		
68	<i>Aquilaria mala ccensis</i> Lamk.	Volume – 14, 2016	
69	<i>Calamus rotang</i> Linn.		
70	<i>Capsicum annuum</i> Linn.		
71	<i>Careya arborea</i> Roxb.		
72	<i>Garcinia pedunculata</i> roxb. Ex Buch.- Ham.		
73	<i>Gardenia gummifera</i> Linn.f.		
74	<i>Geranium wallichianum</i> D.Don ex Sweet		
75	<i>Ginkgo biloba</i> Linn.		
76	<i>Hydnocarpus kurzii</i> (King) Warb.		
77	<i>Illicium verum</i> Hook.f.		
78	<i>Lavandula angustifolia</i> Mill.		
79	<i>Phyllanthus fraternus</i> Webst.		
80	<i>Physalis alkekengi</i> Linn.		
81	<i>Syzygium aromaticum</i> (Linn.) Merril & Perry (oil)		
82	<i>Capparis sepiaria</i> Linn.		Volume – 15, 2017
83	<i>Clerodendrum phlomidis</i> Linn.f.		
84	<i>Coldenia procumbens</i> Linn.		



85 *Corallocarpus epigaeus* (Rottler) Hook.f.

86 *Crotalaria juncea* Linn.

87 *Desmodium oojeinense* (Roxb.) H. Ohashi

88 *Glinus lotoides* Linn.

89 *Lens culinaris* Medik.

90 *Leonotis nepetifolia* (Linn.) R. Br

91 *Musa x paradisiacal* Linn.

92 *Phoenix dactylifera* Linn.

93 *Trichosanthes tricuspidata* Lour.

94 *Uraria picta* (Jacq.)Desv. Ex DC.

95 *Ziziphus jujube* Mill.



Abbreviations of Institute's Name

S.No.	Abbreviations	Full Form
1.	CCRAS	Central Council for Research in Ayurvedic Sciences, New Delhi
2.	CARIDD	Central Ayurveda Research Institute for Drug Development, Kolkata
3.	CSMRADDI	Captain Srinivasa Murthy Regional Ayurveda Drug Development Institute, Chennai
4.	RARIDD	Regional Ayurveda Research Institute for Drug Development, Gwalior
5.	CRI, K	Central Research Institute, Kolkata
6.	NCL, Poona	National Chemical Laboratory (NCL), Poona (Now Pune)
7.	UCS, Osmania University, Hyderabad	University College of Sciences, Osmania University, Hyderabad
8.	DU, Delhi	Delhi University, Delhi
9.	UK, Trivandrum	University of Kerala, Trivandrum
10.	UCS, Calcutta	University College of Science, Calcutta
11.	BHU, Varanasi	Banaras Hindu University, Varanasi
12.	CSMRI, Madras	Captain Srinivasamurthy Research Institute, Adyar, Madras
13.	CDF, Ranikhet	Co-operative Drugs Factory, Ranikhet, Almorah
14.	AIIM, New Delhi	All India Institute of Medical Science, New Delhi
15.	AVMP, Junagarh	Ayurveda Vikas Mandal Pharmacy, Junagarh
16.	AR, Poona	Ayurveda Rasasala, Karve Road, Poona
17.	CAP, Bangalore	Central Ayurveda Pharmacy(CAP), Bangalore
18.	GARI, Trivandrum	Government Ayurvedic Research Institute, Trivandrum
19.	AC, Trivandrum	Ayurvedic College, Trivandrum
20.	UCST, Calcutta	University College of Science and Technology, Calcutta
21.	DSRU, Junagadh	Drug Standardisation Research Unit, Junagadh
22.	DSRE, Vijaywada	Drug Standardisation Research Enquiry, Vijaywada
23.	SRP, Jamnagar(SRPJ) or DSRPJ	Standardisation Research Project, Jamnagar
24.	SRP, Varanasi(SRPV) or DSRPV	Standardisation Research Project, Varanasi
25.	RRI, Trivandrum(RRI-T)	Regional Reaserch Institute, Trivandrum
26.	RRC, Bangalore(RRCB)	Regional Reaserch Centre, Bangalore
27.	AU, Tarikhet(AUT)	Amalgamated Unit, Tarikhet
28.	PDSP, Jamnagar(PDSPJ)	Preliminary Drug Standardisation Project, Jamnagar
29.	PDSRP, Varanasi (PDSRPV)	Preliminary Drug Standardisation Research Project, Varanasi
30.	SKVA Pharmacy, Trivandrum	S.K.V.A. Pharmacy, Trivandrum



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