

VOLUME-VII

Glimpses of CCRAS Contributions  
(50 Glorious Years)

**MEDICO-HISTORICAL STUDIES  
AND  
LITERARY RESEARCH**



**CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES**  
Ministry of AYUSH, Government of India  
New Delhi



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Ministry of AYUSH, Government of India

J.L.N.B.C.A.H. Anusandhan Bhavan, No. 61-65, Institutional Area

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**MEDICO-HISTORICAL STUDIES AND LITERARY RESEARCH**

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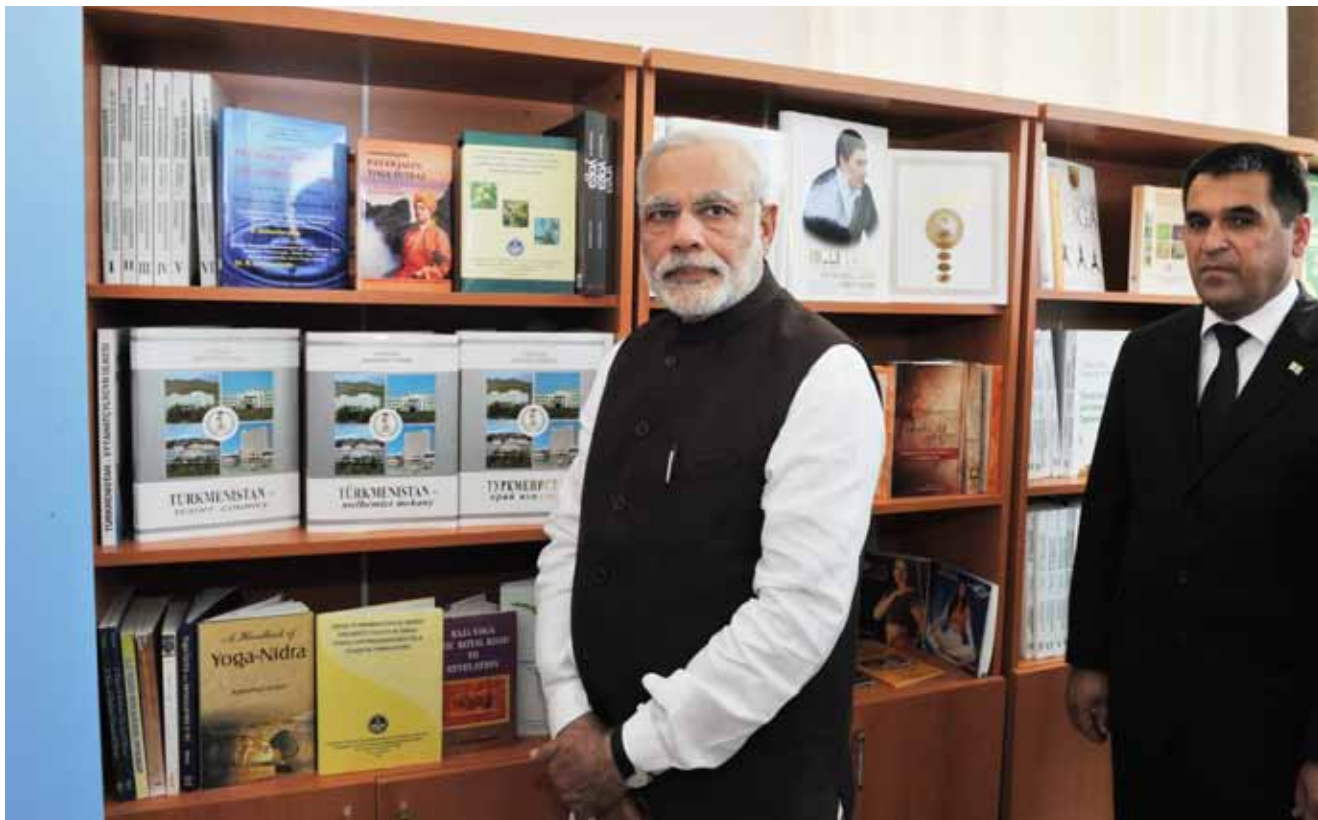
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Hon'ble Prime Minister of India, Shri Narendra Modi with CCRAS Publications on the occasion of inauguration of six week Yoga & Traditional Medicine Centre on 11<sup>th</sup> July, 2015 at Ashgabat, Turkmenistan.



Hon'ble Minister of State (Independent Charge), Ministry of AYUSH, Shri Shripad Naik releasing CCRAS Publication 'Ayurveda - A focus on Research and Development' in the presence of eminent dignitaries on 22<sup>nd</sup> January, 2019 at RARILSD, Thiruvananthapuram, Kerala.





सत्यमेव जयते

श्रीपाद नाईक  
SHRIPAD NAIK

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सोवा-रिग्पा एवं होम्योपैथी-(आयुष) मंत्रालय एवं रक्षा राज्य मंत्री  
भारत सरकार

MINISTER OF STATE (INDEPENDENT CHARGE) FOR  
AYURVEDA, YOGA & NATUROPATHY, UNANI, SIDDHA,  
SOWA-RIGPA, HOMOEOPATHY-(AYUSH) &  
MINISTER OF STATE FOR DEFENCE  
GOVERNMENT OF INDIA



18<sup>th</sup> July, 2019

**MESSAGE**

It gives me immense pleasure to note that the Central Council for Research in Ayurvedic Sciences functioning under this Ministry has been immensely contributing to the research and development in the field of Ayurvedic Sciences since last 50 years. Besides generating evidence on classical Ayurveda interventions and approaches and developing new formulations for unmet medical needs, this council has conducted commendable work to preserve the Indian medical heritage through diverse ways and means.

The core contributions in the field of medico-historical and literary research comprise revival and retrieval of manuscripts and rare books, medico-historical studies on Ayurveda, Unani, Siddha, Homeopathy and other medical systems.

Bringing out the rare medical manuscripts and books referred in Drug & Cosmetics Act 1940 into public domain remains as outstanding contributions besides publication of catalogues of unexplored medical manuscripts scattered elsewhere in different libraries of the country.

I am happy to learn that the Council is bringing out a volume on Glimpses of CCRAS Contributions focusing on its contributions since its inception in Medico-historical Studies and Literary Research and I wish all success in the future endeavors.

  
(Shripad Naik)

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सत्यमेव जयते

वैद्य राजेश कोटेचा  
Vaidya Rajesh Kotecha



सचिव  
भारत सरकार  
आयुर्वेद, योग व प्राकृतिक चिकित्सा  
यूनानी, सिद्ध, सोवा रिग्पा एवं होम्योपैथी (आयुष) मंत्रालय  
आयुष भवन, 'बी' ब्लॉक, जी.पी.ओ. कॉम्प्लेक्स,  
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GOVERNMENT OF INDIA  
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### MESSAGE

I would like to convey my appreciation to Central Council for Research in Ayurvedic Sciences for making outstanding contributions in the field of Medico-Historical Studies and Literature Research focusing not only on Ayurveda, Siddha, Unani and Homeopathy systems, but also emphasizing on Allopathic and other medical systems across the globe.

It is worth to note that the Council has made commendable contributions in reviving and retrieving rare books and manuscripts and publishing them for the use of stakeholders. Few such examples include Bhela Samhita, Chikitsarnava, Charucharya, Rasachandamsu, Rasapradipika, Sahasrayogam and so on most of which are enlisted as referral books under Drugs & Cosmetics Act, immensely help the regulators and pharmaceutical industry.

The cultural heritage of different medical systems need to be scientifically positioned and translated into practices for which it is pivotal to collect, collate, interpret, edit and bring them into public domain in most authentic form.

The contributions of CCRAS in realizing these tasks through conducting several medico-historical studies on medical systems, compilation of biographical indices, bringing out descriptive catalogues etc. Further, I would like to congratulate the Council for bringing out this concise and comprehensive volume for the use of academicians and researchers.

वैद्य राजेश कोटेचा

(Rajesh Kotecha)

New Delhi,  
Dated: 19<sup>th</sup> July, 2019





## PREFACE

The Central Council for Research in Ayurvedic Sciences (CCRAS) is the apex body in India for the formulation, coordination, development and promotion of research on scientific lines in Ayurveda and Sowa-Rigpa systems of medicine. Literary & Medico-historical Research has been one among the priority areas of research of CCRAS since its inception. These activities include the revival and retrieval of manuscripts and rare books; medico-historical investigations, undertaking Research projects, publication of books, monographs and scientific journals and more recently, Council has also been involved in the development of information technology based applications for Ayurveda.



Medico-historical and Literary research are important for ancient medical systems like Ayurveda because of the need to preserve the ancient knowledge and to re-represent the knowledge in terms of the needs of the present day in scientific light. Medico-historical research helps to understand how these systems worked in the past and literary research is needed to disseminate the knowledge in the form of publications and also to develop up to date information through analytical studies of the literature. The preservation of the information by digitization of information helps in saving this knowledge for the future.

Even though the Council has taken up and completed a number of works in the field of Medico-historical studies and Literary research, a need was felt to have a ready reckoner to get all this information at one place for the benefit of scholars and researchers. This work entitled 'Glimpses of CCRAS Contributions – Medico-historical and Literary Research' Volume-VII is a comprehensive document which is intended to provide details of the work done by the Council since its inception in the field of Literary Research. Thus, this document will be helpful to those interested to know about the various works undertaken by the Council during the past 50 years along with the requisite details and thus will serve as a guiding light undertaking Literary Research in Ayurveda.

**Prof. Vaidya K.S. Dhiman**  
Director General





## PROLOGUE

The Central Council for Research in Ayurvedic Sciences (CCRAS) was established in 1969 and since its inception, the Council has undertaken number of activities under Medico-Historical & Literary research and Documentation. These activities are undertaken through the Headquarter office of the Council, National Institute of Indian Medical Heritage (NIIMH), Hyderabad (dedicated field institute for these activities) and selected field institute of the Council. The core components of Literary Research include Revival and Retrieval of Manuscripts and rare books, Medico-historical studies, undertaking research projects, development of medico-historical library at NIIMH, Medico-historical Museum at NIIMH and Publication of books, research papers and journals. Under Literary Research, the Council has also developed many Information Technology based applications.



The Council is putting active efforts to make the knowledge of Ayurveda to the practitioners in various print and electronic forms and the major achievements till date include publication of about 78 books/ monographs which includes translations and critical editions of the texts of Ayurveda based on original manuscripts/ rare books, catalogues/ descriptive catalogues of manuscripts of Ayurveda, Yoga, Unani, Siddha, Sowa-Rigpa etc, books on Basic/ fundamental concepts of Ayurveda, Research databases on Ayurveda, Siddha, other Traditional Medicine systems and other related Sciences, books on technical terminologies in Ayurveda and books based on the outcomes of CCRAS-Intramural Research projects. The most notable achievements also include electronic searchable classical textbooks of Ayurveda, Ayurveda Encyclopedia and web portals such as NAMASTE Portal and AYUSH Research Portal.

This comprehensive document provides details of the work done by the Council in the field of Literary Research. It will be helpful to the readers to know about the various works undertaken during the past 50 years along with the requisite details and thus will serve as a guiding light undertaking Literary Research in Ayurveda.

**Dr. N. Srikanth**  
Deputy Director General





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## EXECUTIVE SUMMARY

### Background:

India is a country with a rich cultural and scientific heritage. Various knowledge systems have developed and evolved in the country which has enriched and benefitted the world in numerous ways. Āyurveda, the ancient science of life is also one such contribution, the roots of which can be traced back to the Vedic literature. It is a highly codified system which has been documented in detail by various learned preceptors starting from the era of Caraka and Suśruta upto the modern era. Being a medical science, it has always been a living tradition learnt in the Gurukula where the student learned under the direct supervision of the teacher. With advancement of time, like many other knowledge systems, the knowledge flow of Āyurveda has weakened due to changes in educational system, loss of information in the form of destruction of literature etc. which has led to increasing gap between theory and practice. Still, much of the knowledge was preserved in the form of various palm leaf, paper and other manuscripts available throughout the country which are preserved in various Manuscript libraries and museums. In the present era, Āyurveda is undergoing a new renaissance and there is growing global attention and acceptance. However, there is a real need to protect, preserve, promote and propagate this medical heritage for a better future of the world.

Medico-historical research and Literary research are important components of research in medical systems like Āyurveda which are rooted in history because of the need to preserve the knowledge and to re represent the knowledge in terms of the needs of the present day. Medico-historical research helps to understand how these systems worked in the past and Literary research is needed to disseminate the knowledge in the form of publications and also to develop up to date information through analytical studies of the literature. Apart from these, preservation of the information by digitization of information and saving this knowledge for the future is also an important domain of Literary Research.

The means of attaining knowledge are called as Pramāṇa. Among the various pramāṇa, Āptopadeśa or Śabda pramāṇa (teachings of learned preceptors) are given prime importance in Āyurveda. The ancient literature available are also known by various names such as Āgama, tantra etc. The teachings which are codified and locked in the classical literature are expounded to the learner by a learned preceptor by the use of various Tantrayukti (criteria for critical evaluation of technical texts), which act as the key to the knowledge.

The revival, retrieval and preservation of national medical heritage has great contemporary relevance owing to the fact that much of the valuable information of Ayurveda is preserved in the form of various manuscripts preserved in various manuscript libraries. Since the life of manuscripts are limited, there is need to preserve and digitize them and further take them up for publication in the form of critical editions, transcription, translation and publication to make them available in public domain.

The Central Council for Research in Ayurvedic Sciences (CCRAS) is an autonomous body under the Ministry of AYUSH (Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homeopathy), Government of India. It is an apex body in India for the formulation, coordination, development and promotion of research on scientific lines in Ayurveda and Sowa-Rigpa system of medicine. Literary



Research and Medico-historical Studies are one among the priority areas of research of CCRAS since from its inception. The Literary research program and Documentation is effectively carried through several means viz. revival and retrieval of manuscripts and rare books; medico-historical investigations in AYUSH Systems of Medicine; by undertaking Research projects; maintaining the medico-historical library and medico-historical museum; publication of books, monographs and scientific journals and development of Information technology based applications etc.,

### **Core components of Medico-historical Research and Documentation**

1. Revival and Retrieval of Manuscripts and rare books
2. Medico-historical studies
3. Research Projects
4. Medico-historical Library
5. Medico-historical Museum
6. Publications under Literary Research & Documentation
7. Information Technology based applications

### **Revival and Retrieval of manuscripts and rare books**

Under revival and retrieval system of manuscripts and rare books, the Council adopts chiefly two mechanisms:

1. Survey, Acquisition, Edit and Publication of books based on manuscripts and rare books.
2. Survey, Acquisition, Digitizing and Cataloguing of manuscripts and rare books.

CCRAS has surveyed/ acquired several valuable manuscripts from manuscript repositories, academic institutions, private collections etc. Among the collection of manuscripts, some of the important and unpublished manuscripts are further taken up for editing, transcription, transliteration, translation of the principal text (*mūlapāṭha*) and there by bringing out the critical editions. As on date, the Council has published 39 books/ works based original manuscripts/ rare books. Out of 39, 16 books are based on manuscripts and 23 on rare books/ books. Among the 39 published works, eleven pertaining to the books listed under First schedule of Drugs & Cosmetics Act 1940.

Council has taken major initiative to create a ‘Centralized Digital Repository of Medical Manuscripts of AYUSH Systems of Medicine’ with an objective to conserve and preserve rich cultural and medical heritage of India for posterity as well as to provide easy access. As on date, CCRAS has surveyed and digitized more than 5000 Āyurveda, Yoga, Unāni, Siddha, Sowa Rigpa etc., manuscripts/ rare books from Odisha, West Bengal, Bihar, Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Assam and Jammu & Kashmir (Leh) etc. Out of 5000 collections, more than 4000 manuscripts are digitized and catalogued. The metadata of 2086 Āyurveda, 598 Siddha, 542 Unāni, 628 Sowa-Rigpa, 49 Yoga and 179 other manuscript’s under 44 fields and metadata of 1336 rare books under 18 fields is published in nine descriptive catalogues.



Furthermore, CCRAS made continuous efforts to collect, edit and publish Āyurveda books (S. No. 1 to 54d) mentioned under Schedule I of Drugs and Cosmetics Act 1940. By extensive surveys, the Council collected manuscripts and printed books/works of different editors/ publishers/ editions and in different languages pertaining to 49 books out of 55 [excluding Ayurvedic Formulary of India 54a and Ayurvedic Pharmacopoeia of India, Part I and II (54c & 54d)]. Out of 49 books, there are about 200 palm-leaves/ paper manuscripts pertaining to 23 books are retrieved in CCRAS in digitized form (and some manuscripts in physical form) and more than 600 published books pertaining to 49 books are available in printed form.

### **Medico-historical studies**

As on date, Council has published 396 medico-historical studies pertaining to AYUSH Systems of medicine, Modern medicine and works of European writers. These studies include Āyurveda (233 in no.); Unāni (76 in no.); Siddha (28 in no.); Homoeopathy (8 in no.); Yoga & Naturopathy (3 in no.); Modern Medicine (13 in no.); works of European medical writers on drugs and diseases (3 in no.) and bibliography indexes (31 in no.). These studies are focused on the topics like search and collection of information in medical manuscripts/rare books; biographical account of authors/ commentators/ compilers of classical works of AYUSH Systems of Medicine and pioneers in AYUSH; translations of select passages of classical works; medico-historical investigations on drugs and diseases; documentation of health related information from non-classical literature and archaeological and epigraphical sources; lists of medical works, general articles etc., These studies have explored rich literary heritage of AYUSH systems of medicine and provided valuable insight into the medico-historical aspects of AYUSH.

### **Research Projects**

CCRAS has undertaken several research projects and successfully executed in time bound manner. As on date, under Literary Research and Documentation program, Council has taken up 37 research projects which includes Extramural Research projects supported by Ministry of AYUSH (03 in no.); project(s) supported by WHO-India Office (01 in no.); Intramural Research Projects supported under CCRAS- IMR Scheme/ Research Policy (31 in no.) and Collaborative projects (02 in no.). Out of 37 projects, 22 projects are completed and 15 are ongoing. Out of 22 completed projects, 9 are published and remaining is under process of finalization for publication/ under vetting/ under modifications as per expert's comments/ under editing.

### **Medico-historical Library**

A dedicated medico-historical library established at CCRAS-National Institute of Indian Medical Heritage (NIIMH), Hyderabad contains significant collection of manuscripts, rare books and journals on AYUSH systems of Medicine and Biomedicine. Due to the rich and valuable collection of works/ books and journals/ periodicals, CCRAS-NIIMH, Hyderabad often serves as great resource and referral Institute for scholars engaged in the Medico-historical & Literary research in AYUSH Systems of medicine and Biomedicine.



## Medico-historical Museum

A medico-historical museum located at CCRAS-National Institute of Indian Medical Heritage (NIIMH), Hyderabad has several exhibits viz., objects, paintings, documents, manuscripts, replica of stone inscription(s) and art works related to the medical history of the AYUSH and Biomedicine.

## Publications under Literary Research & Documentation

As on date, the Council has published about 77 books/ monographs under Literary Research & Documentation program. Of which, 39 books/ works pertaining to editing, translation and critical editions of the texts of Āyurveda based on original manuscripts/ rare books; 11 catalogues/ descriptive catalogues of manuscripts of Āyurveda, Yoga, Unāni, Sidha, Sowa-Rigpa etc.; three on Basic/ fundamental concepts of Āyurveda; four on Research databases on Āyurveda, Siddha and Other Traditional Medicine and related Sciences; five on technical terminologies in Āyurveda; six are based on the outcomes of CCRAS-Intramural Research projects and nine are on other related literary works.

It is to make a special mention that the apart from the publication of books and monographs, the Council has brought out the electronic version of important treatises (*Sarṁhitā*), lexicons/ compendia (*Nighaṅṭu*) of Āyurveda; Pharamacopoeia and Formulary of Āyurveda and Siddha for easy accessibility and to serve as search tool. All these e books developed by using in house technology. These e books are widely referred by students, research scholars and faculty of Ayurvedic teaching/ Research Institutions.

Further, for the dissemination of research findings of the studies carried out in the Council are being published in three research journals of Council. The journals viz. Journal of Research in Ayurvedic Sciences (JRAS), Journal of Drug Research in Ayurvedic Sciences (JDRAS) and Journal of Indian Medical Heritage (JIMH) publishes research/ review articles primarily focusing on clinical research, drug research and medico-historical research respectively along with other subject areas/ related topics which comes under the scope of the journals. The former two journals (JRAS & JDRAS) are available in electronic version, and the later (JIMH) will be soon available in electronic version.

## Information Technology (IT) based applications developed by CCRAS

Considering the importance of Information Technology (IT) in the field of research, several IT based applications are developed by CCRAS which includes: development of e-books for easy accessibility and to serve as search tool; AYUSH research Portal (ARP) to show case the evidence based research data of AYUSH Systems at global level (<http://ayushportal.nic.in>); Research Management and Information System (RMIS) to provide guidance/ suggestions to M.D./ Ph.D. (Ay.) scholars for conduct of research studies (<http://rmis.nic.in>); National AYUSH Morbidities and Standardized Terminologies Portal (NAMASTE Portal) for centralized collection of morbidity statistics of various health care providing institutions under the all AYUSH systems spread over the country (<http://namstp.ayush.gov.in>); Integrative Clinical Decision Support System (ICDSS) for Implementation, sustaining the use of Electronic Medical Record System with Integrated Clinical Decision along with Informatics Module (ICDSS) and Prakriti Assessment Scale (PAS)- a validated approach for the assessment of Prakṛti (physical, physiological, psychological and behavioral traits of an individual).



Besides, the Council has also initiated the work of 'Āyurveda Grantha Sammuccaya – Integrated E-Book Portal' which provides effective search options along with mobile application. This Integrated E book portal provides published texts listed under Schedule I of Drugs and Cosmetics Act 1940; other important works of Ayurveda on etio-pathogenesis (*nidāna*), therapeutics, dietetics, materia medica, *Rasaśāstra* etc. This portal is first of its kind which provides a single point of access to the all the important works/ texts of Ayurveda.

All the works taken up by the Council under Literary Research & Documentation has received appreciation from academic and scientific communities. Several outcomes of the activities/ research projects are widely referred by the students, scholars, physicians of AYUSH Systems of Medicine, linguistic experts, Indologists etc.,

### SUMMARY OF ACHIEVEMENTS

S. No.	Area of focus	Number of studies
<b>1</b>	<b>REVIVAL AND RETRIEVAL OF MEDICAL MANUSCRIPTS AND RARE BOOKS</b>	
1.1	Editing, transcription, translation and publication of manuscripts and rare books	39
1.2	Revival and Retrieval of books mentioned under First Schedule of Drugs & Cosmetics Act 1940	50
1.3	Books/works published by the Council based on Original Manuscripts/ Rare books (including ongoing works)	51
1.4	Survey and digitization of manuscripts/ rare books of Ayurveda, Yoga, Unani, Siddha, Sowa Rigpa etc.,	more than 5000
<b>2</b>	<b>MEDICO-HISTORICAL STUDIES</b>	
2.1	<b>Medico-historical studies in Ayurveda</b>	
2.1.1	Search and collection of information, editing and publication of rare medical manuscripts/ books:	54
2.1.2	Biographical studies and articles on authors/compilers/ redactors/ commentators and physicians of classical treatises.	34
2.1.3	Translation of selected passages from ancient medical classics.	8
2.1.4	Study and collection of medical information from Archaeological and Epigraphical Sources and Archives.	3
2.1.5	Collection/ compilation of medical information from Non-medical literature (Veda, Purāṇa, Epics, Holy Bible etc.).	29
2.1.6	Medico-historical papers on drugs/ diseases.	29





S. No.	Area of focus	Number of studies
2.1.7	Writings on history of medicine (area wise, period wise and theme wise).	40
2.1.8	Travelers' accounts on the development of medical science.	5
2.1.9	History of Ayurveda.	4
2.1.10	General articles on Ayurveda and related topics	20
2.1.11	List of medical works in Ayurveda	7
2.2	<b>Medico-historical studies in Unani</b>	
2.2.1	Search and collection of information, editing and publication of rare medical manuscripts/ books.	14
2.2.2	Biographical studies and articles on authors/compilers/redactors/commentators and physicians of Classical treatises.	19
2.2.3	Translation of selected passages from ancient medical classics.	20
2.2.4	Collection/ compilation of medical information from non-medical literature (Holy Quran etc.).	1
2.2.5	Medico-historical papers on drugs/diseases	8
2.2.6	Writings on history of medicine (area wise, period wise and theme wise).	8
2.2.7	Medical works in Unani	6
2.3	<b>Medico-historical studies in Siddha</b>	28
2.4	<b>Medico-historical studies in Homoeopathy</b>	8
2.5	<b>Medico-historical studies in Yoga &amp; Naturopathy</b>	3
2.6	<b>Medico-historical studies in Modern Medicine</b>	13
2.7	<b>Medico-historical studies by Early European medical writers on Indian drugs and diseases</b>	4
2.8	Compilation of bibliographic indexes.	31
3	<b>RESEARCH PROJECTS</b>	
3.1	Research projects supported by Ministry of AYUSH under Extramural Research (EMR) Scheme	3
3.2	Project (s) supported by WHO-India Office	1
3.3	Intramural Research Projects	31
3.4	Collaborative Research Projects	2



S. No.	Area of focus	Number of studies
<b>4</b>	<b>BOOKS PUBLISHED UNDER LITERARY RESEARCH PROGRAM</b>	
4.1	Editing, translation and critical editions on Ayurvedic texts based on original manuscripts and rare books	39
4.2	Catalogues/ Descriptive catalogues of Ayurveda, Siddha, Unani, Sowa Rigpa etc., Manuscripts	11
4.3	Basic and Fundamental Concepts of Ayurveda and other related concepts in Ayurveda	3
4.4	Works on Technical Terminology in Ayurveda	5
4.5	Research Databases on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences	4
4.6	CCRAS-Intramural Project Reports	6
4.7	Other Publications	9
4.8	E books	12
4.9	CCRAS Journals	3





## CHAPTER 1

### 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 popularized as a system of medicine. The advent of foreign invasions and cross cultural interactions 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 programs 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 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 30<sup>th</sup> March, 1978). The Minister of AYUSH is the President of the Governing Body of the Council while the Joint Secretary chairs the Standing Finance Committee. The Scientific/ Research programs are supervised by the respective Scientific Advisory Board/Groups chaired by eminent scholars of the system.

#### Research Areas

The Central Council for Research in Ayurvedic Sciences (CCRAS), an autonomous body under Ministry of AYUSH, Govt. of India is an 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 31 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 and Literary Research & Documentation. Besides this, Council has conducting outreach activities viz., Tribal Health Care Research Program (THCRP) under Tribal Sub-Plan, Ayurveda Mobile Health Care Program under Scheduled Castes Sub Plan (SCSP), Ayurvedic Health Centres under North East Plan, Swasthya Rakshana Program (SRP)



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.
10. To invest and deal with the funds and monies of the Central Council or entrusted to the Central Council not immediately required in such manner as may from time to time be determined by the Governing Body of the Central Council.
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 Plant 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



## CHAPTER 2

### REVIVAL & RETRIEVAL OF MEDICAL MANUSCRIPTS AND RAREBOOKS

It is universally accepted that manuscripts constitute one of the most important basic source materials for knowledge in any discipline. Ayurveda, the oldest medical tradition, passed down through generations over centuries as oral tradition, and the rich heritage and intellectual healing practices have been preserved in the form of manuscripts. These manuscripts are scattered in different parts of India and in libraries/ museums around the world which is evident from the different catalogues published from time to time. However, cataloguing of manuscripts is not sufficient to understand the knowledge that is contained in them. Keeping in view of the same, the Central Council for Research in Ayurvedic Sciences (previously known as Central Council for Research in Ayurveda and Siddha), New Delhi seriously pursuing the tasks related to revival and retrieval manuscripts and rare books of Ayurveda, Yoga & Naturopathy, Unani, Siddha, Homoeopathy and Sowa-Rigpa etc. since from its inception.

CCRAS adopts a systematic mechanism for the revival and retrieval of manuscripts and rare books by following means:

- Survey of manuscripts, analyzing the knowledge, editing and publishing manuscripts.
- Systematic survey and study of works in manuscript and printed form to bring out translated and critical editions for wider accessibility.
- Conservation and preservation of manuscripts and books to preserve the rich intellectual heritage of AYUSH Systems of Medicine.
- Digitization of manuscripts for easy access, to maintain a centralized digital repository and to save the manuscripts and rare books to posterity.

The Documentation and Publication Division started at CCRAS (CCRIM&H), New Delhi in the year 1969-70 assisted in different literary research projects by providing source manuscripts/ rare books and other related works. For successful implementation of the task of revival and retrieval of manuscripts/ books, Literary Research Program was initiated in Council from 1970-71 onwards. The Council had established Literary Research Units at Thanjavur, Varanasi, Jamnagar, Lucknow, Aligarh and Palayamkottai under the guidance Padmashri Dr. V. Narayanaswamy, Vd. V.N. Dwivedi, Vd. Haridutta Shastri, Vd. R.R. Pathak, and Vd. A.T. Sharma respectively. These units were successfully engaged in survey and acquisition of ancient medical manuscripts and published them from time to time.

Among the thirty peripheral Institutes functioning under CCRAS, National Institute of Indian Medical Heritage (NIIMH) located at Hyderabad designated as Nodal Institute for Medico-historical and Literary Research. This Institute is actively engaged in the tasks of revival and retrieval of manuscripts and rare books since from its establishment. NIIMH, Hyderabad maintains repository of manuscripts of Ayurveda, Siddha and Unani manuscripts. The collection includes palm-leaf and paper manuscripts in



different languages: Sanskrit, Telugu, Tamil, Malayalam, Urdu, Arabic, Persian etc. The manuscripts are housed in the Institute are periodically subjected to curative and preventive conservation to reduce and prevent the deterioration. These manuscripts are retrieved in digital form too. The Institute has taken up of editing, translation and publication of several books/ works based on original manuscripts and rare books which are published from time to time. Apart from manuscripts, the Institute's library contains rare and valuable collection of books on History of Medicine of different Systems and medical journals. NIIMH, Hyderabad is a great resource Institute for scholars engaged in the Medico-historical & Literary research in AYUSH Systems of medicine as well as Biomedicine.

### **Background and Origin of National Institute of Indian Medical Heritage, Hyderabad<sup>1,2,3</sup>**

NIIMH, Hyderabad has its origin by the recommendation made by Prof. Henry E. Sigerist, the then Director of History of Medicine, Johns Hopkins University, USA. Prof. Henry E. Sigerist made a recommendation to establish 'Department of History of Medicine in India' to the Health Survey and Development Committee (Bhore Committee), constituted by Imperial Government of India in 1943, which was headed by Sir Joseph Bhore.

Based on the committee's recommendation, a special committee headed by Dr. A.L. Mudaliar, the then Vice Chancellor of Madras University was established to identify suitable premises to establish the new institute. Dr. Mudaliar and Major General S.L. Bhatia, the Surgeon General of the composite State of Madras recommended that a Department of History of Medicine be opened in the Andhra Medical College, Visakhapatnam. Thus the 'Department of History of Medicine' was established on 26-09-1956 at Andhra Medical College, Visakhapatnam. Afterwards it was transferred to Hyderabad in the month of December 1956 under the honorary Directorship of Dr. D.V. Subba Reddy.

In 1962, the department shifted to the newly constructed building of the Osmania Medical College, Hyderabad. In view of the national importance of the 'Department of History of Medicine', it was handed over to Indian Council of Medical Research (ICMR) on 14-02-1969 and was renamed as 'Institute of History of Medicine'.

In 1973, the Institute transferred to Central Council for Research in Indian Medicine and Homoeopathy (CCRIM&H) and renamed as 'Indian Institute of History of Medicine' in the 9<sup>th</sup> Executive Committee of CCRIM&H held on 04-08-1973.

Thereafter, the CCRIM&H bifurcated into four separate Councils and the Institute came under the administrative control of CCRAS from 01-01-1979. Considering the Institute's achievements and capabilities, the Govt. of India has upgraded the Institute as 'National Institute of Indian Medical Heritage' (NIIMH) on 15-12- 2009. Later, NIIMH has shifted to its own building at Gaddiannaram, Hyderabad on 21-02-2013.

1 Report of the Health Survey and Development Committee, Vol. III, Appendices, Government of India Press, Simla. 1946 Page 204-213.

2 Shaija Chandra Status of Indian Medicine and Folk Healing- With a focus on integration of AYUSH medical systems in health care delivery, Part II, Chapter 8, Department of Ayurveda, Yoga & Naturopathy, Unani, Siddha, Homoeopathy, Min. of Health and Family Welfare, Government of India. New Delhi. 2013, Page 225.

3 Abraham DM, Vaz M. The Institute of History of Medicine in Bengaluru: A lost opportunity. The National Medical Journal of India. 2016; 28 (5): 245-249.





Apart from NIIMH-Hyderabad, the Medico-historical and Literary Research works are also carried out at CCRAS Head Quarters, New Delhi; National Research Institute for Sowa-Rigpa, Leh; National Ayurveda Research Institute for Panchakarma, Cheruthuruthy; Regional Ayurveda Research Institute for Metabolic Disorders, Bengaluru; Central Ayurveda Research Institute for Hepatobiliary Disorders, [previously known as Central Research Institute (Ay.)], Bhubaneswar; National Research Institute of Ayurvedic Drug Development [previously Central Research Institute (Ay.)] Kolkata and other designated Institutes.

As a part of revival and retrieval system, CCRAS has surveyed more than 5000 Ayurveda, Yoga, Unani, Siddha, Sowa Rigpa etc., manuscripts/ rare books from the manuscript repositories, state museum(s), academic institutes, libraries, private collections etc., from Odisha, West Bengal, Bihar, Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Assam and Jammu & Kashmir (Leh) etc. Out of 5000 collections, more than 4000 manuscripts are digitized; and catalogued and the descriptive catalogues of the same are published.

## 2.1 Editing, transcription, translation and publication of manuscripts and rare books

CCRAS is actively engaged in the task of publication of manuscripts/ rare books by undertaking of editing, transcription, transliteration, translation of principal text and bringing out critical editions. As on date, there about 39 works are published based on manuscripts and rare books. It is to make a special mention that, apart from Sanskrit manuscripts, the medical manuscripts/ books available in other Indian languages and scripts viz., Cikitsārṇava, Pathyāpathyaviniścaya and Abhinavacintāmaṇi (Oriya); Basavarājīyamu and Rasapradīpikā (Telugu); Sahasrayoga and Vaidyamanoramā (Malayalam); Nānāvidhavaidyam, Netraprakāśikā (Granth) etc., are collected from manuscript repositories/ Institutes and transcribed into *Devanāgarī* for wider accessibility. Majority of these works were translated into Hindi/English/Tamil by Council and the translated versions facilitated global readership and great acceptance from Ayurvedic fraternity.

### Works published based on original manuscripts/ rare books during past fifty years.

S. No.	Description	1968-70	1971-80	1981-90	1991-2000	2001-10	2010-18	Total
1.	Works published based on original Manuscripts.	-	03	01	06	05	01	16
2.	Works published based on Rare books/ books.	-	-	02	03	16	02	23
<b>Total</b>		-	<b>03</b>	<b>03</b>	<b>09</b>	<b>21</b>	<b>03</b>	<b>39</b>



**Status of Editing and Translation of works based on Original Manuscripts/ Rare books, published during past Fifty years (1968-2018).**

S. No.	Description	1968-70	1971-80	1981-90	1991-2000	2001-10	2010-18	Total
1.	Works edited and published exclusively with Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.	-	03	02	07	01	-	13
2.	Works edited and published with Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by translation in Hindi.	-	-	01	02	10	02	15
3.	Works edited and published with Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by translation in Tamil.	-	-	-	-	07	-	07
4.	Works edited and published with Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by translation in English.	-	-	-	-	03	01	04
<b>Total</b>		-	<b>03</b>	<b>03</b>	<b>09</b>	<b>21</b>	<b>03</b>	<b>39</b>

**2.1.1. Revival and Retrieval of books mentioned under First Schedule of Drugs & Cosmetics Act 1940**

Furthermore, CCRAS made continuous efforts to collect, edit and publish Ayurveda 58 books (S. No. 1 to 54d) mentioned under Schedule I of Drugs and Cosmetics Act 1940. By extensive surveys, the Council collected manuscripts and printed books/works of different editors/ publishers/ editions and in different languages pertaining to 49 books out of 55 [excluding Ayurvedic Formulary of India 54a and Ayurvedic Pharmacopoeia of India, Part I and II (54c & 54d)]. Out of 49 books, about 200 palm-leaf/paper manuscripts pertaining to following 23 books are retrieved in CCRAS in digitized form (and some manuscripts in physical form) and more than 600 published books pertaining to 49 books are available in printed form.

- |                       |                        |                       |
|-----------------------|------------------------|-----------------------|
| 1. Abhinavacintāmaṇi  | 9. Carakasamhitā       | 17. Vaṅgasena         |
| 2. Arkaparakāśa       | 10. Gadanigraha        | 18. Vaidyajīvana      |
| 3. Aṣṭāṅghṛdaya       | 11. Rasamañjarī        | 19. Viśvanāthacikitsā |
| 4. Āyurvedaparakāśa   | 12. Rasapradīpikā      | 20. Vṛndacikitsā      |
| 5. Basavarājīyam      | 13. Rasaratnasamuccaya | 21. Yogacintāmaṇi     |
| 6. Bhaiṣajyaratnāvalī | 14. Śārṅgadharasamhitā | 22. Yogaratnākara     |
| 7. Bhāvaparakāśa      | 15. Suśrutasaṁhitā     | 23. Yogataraṅgiṇī     |
| 8. Cakradatta         | 16. Vaidyacintāmaṇi    |                       |



Among these 49 books, the Council has published following 11 books based on original manuscripts/ rare books for wider accessibility and utility. These works are widely referred by students, researchers, practitioners, industries, Indologists, linguistic experts etc.

1. Abhinavacintāmaṇi [S.No.48]
2. Aṣṭāṅgahr̥dayam [S.No.4]
3. Aṣṭāṅgasaṅgraha [S.No.5]
4. Basavarājīyam [S.No.39]
5. Bheḷasaṁhitā [S.No.44]
6. Cakradatta [S.No.22]- residual portion of Ratnaprabhā
7. Rasacaṇḍāṁśu [S.No.17]
8. Rasapradīpikā [S.No.27]
9. Sahasrayoga [S.No.28]
10. Vaidyaka Cikitsā Sāra [S.No.37]
11. Viśvanāthacikitsā (Cikitsārṇava) [S.No.45]

English translation of following two books of Schedule I are taken up.

1. Vaidyacintāmaṇi [S. No.35]
2. Sahasrayoga [S. No. 28]

Fig. 1. Books published based on Manuscripts		
(1)	(2)	(3)
(4)	(5)	(6)

1. Bheḷasaṁhitā (1974)
2. Cikitsārṇava, Pūrvārddha (2009)
3. Cikitsārṇava, Uttarārddha (2010)
4. Vaidyaka saṅgraha (2005)
5. Rasamañjūṣa (2005)
6. Pathyāpathyaviniścaya (1999)

**Fig. 2. Books published based on Rare books/  
Important books**

(1)	(2)	(3)
(4)	(5)	(6)

1. Aṣṭāṅgasaṅgraha, Cikitsā and Kalpasthāna, Part- IB (1998).
2. Vaidyamanoramā (2005)
3. Sahasrayoga (2011)
4. Rasacaṇḍāṃśuḥ (2011)
5. Basavarājīyam (2007)
6. Basavarājīyam (2013)

## 2.1 Details of books/works published by the Council based on Original Manuscripts/ Rare books:

2.1.1 Cārucaryā by Bhojarāja	
Source work (Manuscript/Book)	Manuscript. Mss. Acc. No.1011, Osmania University Library, Hyderabad, Telangana.
Language	Sanskrit.
Script	Telugu.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/ collated	1. Mss. Acc. No. 503, Osmania University Library, Hyderabad. 2. Mss. Acc. No. G 10622, Asiatic Society, Kolkata. 3. Cārucaryā published by Vavilla Ramaswami Shastrulu and Sons, Chennapuri 1949. 4. Cārucaryā published by Arsha Rasayana Shala, Muktyla 1957.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.
Status	Published.
Publication details	Cārucaryā by Bhoja Rāja (A medieval work on personal hygiene), edited by Rama Rao B., Indian Institute of History of Medicine, Central Council for Research in Indian Medicine and Homoeopathy, New Delhi 1974.



<b>2.1.2 Bheṣasamhitā</b>	
Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No.11085/10773, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur, Tamilnadu.
Language	Sanskrit.
Script	Telugu.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.
Status	Published.
Publication details	Bheṣasamhitā (Maharṣipunarvasorātreyaśāntevāsinā Bheṣacāryeṇa praṇītā), edited by Venkatasubramania Sastri V.S. and Raja Rajeswara Sharma C., Central Council for Research in Indian Medicine and Homoeopathy, New Delhi 1977.

<b>2.1.3 Bheṣajakalpa</b>	
Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No.10755, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur, Tamilnadu.
Language	Sanskrit.
Script	Telugu.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	Manuscript Acc Nos. 10752, 10753, 10754, 10756, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.
Status	Published.
Publication details	Bheṣajakalpaḥ (Bhāradvājapraṇītaḥ), edited by Venkatasubramania Sastri V.S. and Raja Rajeshwara Sharma C., Central Council for Research in Indian Medicine and Homoeopathy, New Delhi 1977.



<b>2.1.4 Aṣṭāṅgasaṅgraha, Uttarasthāna, Part-II.</b>	
Source work (Manuscript/ Book)	Rare book. Aṣṭāṅgasaṅgraha, Maṅgalodaya Publications, Thrissur 1913.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	1. Manuscript Acc. No. 1089, Oriental Research Institute, University of Mysore, Mysore. 2. Manuscript Acc No. 13070, Government Oriental Manuscript Library, Chennai. 3. Pandit Rao Jalulkar ed., 1964 and 5 other works.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) and Sanskrit commentary in <i>Devanāgarī</i> script- a critical edition.
Status	Published.
Publication details	Aṣṭāṅgasaṅgrahaḥ- Induvyākhyāsahitaḥ, Uttarasthānam, Bhāga-2, edited by Pandit Rao D.V. and Ayodhya Pandey under the guidance of Thakur V.J., edited and coordinated by Pandey V.N., Mahendrapal Simha Arya, Sharma K.D., Ayodhya Pandey, Sharma K.D., and Ganesh Kumar Shukla, Central Council for Research in Ayurveda and Siddha, New Delhi 1988.

<b>2.1.5 Śabdacandrikā by Cakrapāṇidatta</b>	
Source work (Manuscript/ Book)	Manuscript. 1. Indian Office Library, London. 2. Bodellian Library, Oxford.
Language	Sanskrit.
Script	Bengali.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.
Status	Published.
Publication details	Cakrapāṇidatta viracitā - Śabdacandrikā, edited by Priyavrat Sharma, Indian Institute of History of Medicine, Central Council for Research in Ayurveda and Siddha, New Delhi 1988.



<b>2.1.6 Sahasrayoga</b>	
Source work (Manuscript/ Book)	Book.
Language	Sanskrit.
Script	Malayalam.
Manuscript material	-
Other Manuscripts/ books referred/collated	1. Sahasrayoga-Vaidyapriya commentary, Velāyuth Kuruca, 1968. 2. Sahasrayoga- Āṭṭūra Kṛṣṇa Piṣāraṭi, Bhārata Vilāsam Press, Tricura. 3. Sahasrayoga-Śrīrāma Vilāyaka Press. 4. Sahasrayoga, Tāmara Kulam Koccuśamkarana Vaidya S.T. Reḍḍiyāra, V.V. Press, Kolalam, 1968. 5. Sahasrayoga with Sujanapriyā commentary by Kṛṣṇa Vaidyan and Gopāla Pillai, Vairambha Press, Alaghusa.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation.
Status	Published.
Publication details	Sahasrayoga, Hindi translation by Pandit Rao D.V. and Sarada Nair, edited by Mahendrapal Simha Arya, Pandey V.N., Mishra S.K. and Sacchidananda Tiwari, Central Council for Research in Ayurveda and Siddha, New Delhi 1990.

<b>2.1.7 Aṣṭāṅgasaṅgraha, Sūtra, Śārīra and Nidāna sthāna, Part- IA.</b>	
Source work (Manuscript/ Book)	Rare book. 1. Aṣṭāṅgasaṅgrahah tatra Sūtrasthāne, Svasthavṛttam (Hygiene), Rāmacandraśāstrī Kiṁjavaḍekara, Citraśālā Mudraṅālaya, Puṇyapattanam (Poona 2) 1940 for Sūtrasthāna, chapters 1 to 11. 2. Atridev Gupta (ed.) – for Sūtrasthāna, chapters 12-40. 3. Aṣṭāṅgasaṅgrahah tasya Śārīrasthānam, Rāmacandraśāstrī Kiṁjavaḍekara, Citraśālā Mudraṅālaya, Puṇyapattanam 1938. 4. Aṣṭāṅgasaṅgrahah tasya Nidānasthānam, Rāmacandraśāstrī Kiṁjavaḍekara, Citraśālā Mudraṅālaya, Puṇyapattanam (Poona 2) 1940.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-



Other Manuscripts/ books referred/collated	1. Manuscript Acc. No. 1089, Oriental Research Institute, University of Mysore, Mysore. 2. Manuscript Acc No. 13070, Government Oriental Manuscript Library, Chennai. 3. Pandit Rao Jalulkar ed., 1964 and 5 other works.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) and Sanskrit commentary in <i>Devanāgarī</i> script- a critical edition.
Status	Published.
Publication details	Aṣṭāṅgasaṅgrahaḥ - Induvyākhyāsaḥ, Sūtraśārīranidānasthānam, Bhāga - Prathama (Ka), edited by Pandit Rao D.V. and Ayodhya Pandey under the guidance of Thakur V.J., edited and coordinated by Pandey V.N., Mahendrapal Simha Arya, Ayodhya Pandey and Sacchidananda Tiwari, Central Council for Research in Ayurveda and Siddha, New Delhi 1991.

<b>2.1.8 Aṣṭāṅgasaṅgraha, Cikitsā and Kalpasthāna, Part- IB.</b>	
Source work (Manuscript/ Book)	Rare book. Aṣṭāṅgasaṅgraha, Maṅgalodaya Publications, Thrissur 1913.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	1. Manuscript Acc. No. 1089, Oriental Research Institute, University of Mysore, Mysore. 2. Manuscript Acc No. 13070, Government Oriental Manuscript Library, Chennai. 3. Pandit Rao Jalulkar ed., 1964 and 5 other works.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) and Sanskrit commentary in <i>Devanāgarī</i> script-a critical edition.
Status	Published.
Publication details	Aṣṭāṅgasaṅgrahaḥ- Induvyākhyāsaḥ- Cikitsākalpasthānam, Bhāga-Prathama (Kha), edited by Pandit Rao D.V. and Ayodhya Pandey under the guidance of Thakur V.J., edited and coordinated by Hemaraj Goyal, Sharma K.D. and Ayodhya Pandey, Central Council for Research in Ayurveda and Siddha, New Delhi 1998.





### 2.1.9 Abhinavacintāmaṇi of Cakrapāṇidāsa

Source work (Manuscript/ Book)	1. Rare book. Abhinavacintāmaṇi published by Gangadhara Patra, in Oriya script in 1930. 2. Manuscript. Abhinavacintāmaṇi by Madanamohan Pattanayaka, 1824.
Language	Oriya.
Script	Oriya.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script with indexing.
Status	Published.
Publication details	Mahāmati Bhagavāna Cakrapāṇidāsa kṛta Abhinavacintāmaṇiḥ, transcribed from Oriya to Devanāgarī by Prem Kishore, Sudarshana Sharma and Madhava Candra, Central Council for Research in Ayurveda and Siddha, New Delhi 1999.

### 2.1.10 Dhanvantarisāranidhi

Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No.11069, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur, Tamilnadu.
Language	Sanskrit.
Script	Devanāgarī <sup>1</sup> / Granth <sup>2</sup>
Manuscript material	Paper manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in Devanāgarī script.
Status	Published.
Publication details	Dhanvantarisāranidhi, transcribed from Granth to Devanāgarī by Padmanabha Sharma P. M. and Varadarajan T. V., Central Council for Research in Ayurveda and Siddha, New Delhi 1999.

<sup>1</sup>A Des. Cat. Sanskrit. Mss. T. M.S.S.M.L., Tanjore, Vol. XVI, Govt. of Madras, Madras 1933, Pg. 7401.

<sup>2</sup>Preface of the Dhanvantari Sāra Nidhi, published by CCRAS, New Delhi 1999.



### 2.1.11 Nānāvidhavaidyam

Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No.11167, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur, Tamilnadu.
Language	Sanskrit.
Script	Granth.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.
Status	Published.
Publication details	Nānāvidhavaidyam, transcribed from Granth to Devanāgarī by Padmanabha Sharma P. M. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi 1999.

### 2.1.12 Netraprakāśikā

Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No.11073, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur, Tamilnadu.
Language	Sanskrit.
Script	Devanāgarī <sup>1</sup> / Granth <sup>2</sup>
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.
Status	Published.
Publication details	Netraprakāśikā, transcribed from Tamil to Devanāgarī by Padmanabha Sharma P. M. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi 1999.

<sup>1</sup> A Des. Cat. Sanskrit Mss. T. M.S.S.M.L., Tanjore, Vol. XVI, Govt. of Madras, Madras 1933, Pg. 7403.

<sup>2</sup> Preface of Netraprakāśikā, published by CCRAS, New Delhi 1999.



<b>2.1.13 Netraroganidānam</b>	
Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No.11044, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur, Tamilnadu.
Language	Sanskrit.
Script	Devanāgarī <sup>1</sup> / Granth <sup>2</sup>
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.
Status	Published.
Publication details	Netraroganidānam, transcribed from Granth to Devanāgarī by Padmanabha Sharma P. M. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi 1999.

<b>2.1.14 Pathyāpathyaviniścaya of Viśvanātha Seṇa</b>	
Source work (Manuscript/ Book)	Manuscript. 1. Mss. Acc. No. Ay/16, Odisha State Museum, Bhubaneswar, Odisha. 2. Mss. Acc. No. Ay/46, Odisha State Museum, Bhubaneswar Odisha.
Language	Oriya.
Script	Oriya.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	1. One Manuscript on Pathyāpathya viniścaya available in Documentation and Publication Division, CCRAS, New Delhi. 2. Book published in Devanāgarī script in 1951.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation.
Status	Published.
Publication details	Mahāmahopādhyāya Viśvanātha Seṇa kṛta - Pathyāpathya viniścaya, transcribed from Oriya to Devanāgarī and Hindi translation by Prem Kishore and Padhi M.M., Central Council for Research in Ayurveda and Siddha, New Delhi 1999.

<sup>1</sup> A Des. Cat. Sanskrit Mss. T. M.S.S.M.L., Tanjore, Vol. XVI, Govt. of Madras, Madras 1933, Pg.7388.

<sup>2</sup> Preface of Netraroganidānam, published by CCRAS, New Delhi 1999.



<b>2.1.15 Cārucaryā by Bhoja Rāja</b>	
Source work (Manuscript/ Book)	Cārucaryā by Bhoja Rāja, edited by B. Rama Rao, CCRAS, New Delhi 1974.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation.
Status	Published.
Publication details	Bhojarājakṛta Cārucaryā (Vaiyaktika svāstha vijñāna para madhyakālīna kṛti), Hindi translation by Ganesh Shukla, Central Council for Research in Ayurveda and Siddha, New Delhi 2000.

<b>2.1.16 Śataślokī by Avadhānasarasvatī</b>	
Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No. 11132, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur, Tamilnadu.
Language	Sanskrit.
Script	Devanāgarī/Granth
Manuscript material	Paper manuscript.
Other Manuscripts/ books referred/collated	1. Mss. Acc. No.11133-11135, Tanjore Maharaja Serfoji's Sarasvati Mahal Library, Thanjavur, Tamilnadu. 2. Printed book from Rasasala, Condal. 3. Book from Oriental Manuscript Library, Chennai.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Tamil translation.
Status	Published.
Publication details	Avadhānasarasvatī viracitā - Śataślokī, transcribed from Granth to Devanāgarī and Tamil translation by Sharma M. P. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi 2001.



<b>2.1.17 Rasapradīpikā of Muḍumba Verṅkaṭācāryā</b>	
Source work (Manuscript/ Book)	Manuscript. Mss No. 11, Institute's Catalogue, National Institute of Indian Medical Heritage, Hyderabad.
Language	Telugu.
Script	Telugu.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Telugu <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation.
Status	Published.
Publication details	Vedāntācāryaputra Muḍumba Verṅkaṭācāryā viracita - Rasapradīpikā, Central Council for Research in Ayurveda and Siddha, New Delhi 2003.

<b>2.1.18-23 Aṣṭāṅga Hṛdayam</b>	
Source work (Manuscript/ Book)	Book. Aṣṭāṅga Hṛdayam published by Sri Duraiswamy Iyengar in Tamil without <i>mūlapāṭha</i> (principal text), 1935.
Language	Tamil.
Script	Tamil.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Tamil translation.
Status	Published.
Publication details	Vāgbhaṭa's Aṣṭāṅga Hṛdayam (with commentaries and Tamil translation), Volume 1 to 6, Tamil translation by Venkatasubramania Sastri V.S., Sunderasan T.P. and Ramalingam Pillai, edited by Varadarajan T.V. and Bhattathiri P.P.N., Central Council for Research in Ayurveda and Siddha, New Delhi 2002.



### 2.1.24 Cakradatta- Ratnaprabhā (Residual portion of the manuscript)

Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No. 889 of 1887-97, Bhandarkar Oriental Research Institute, Poona, Maharashtra.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	Paper manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script.
Status	Published.
Publication details	Cakradatta – Ratnaprabhā (Residual portion of the manuscript), edited by Priyavrat Sharma, Bulletin of the Indian Institute of History of Medicine, Special volume, Indian Institute of History of Medicine, Hyderabad, Central Council for Research in Ayurveda and Siddha, New Delhi 2003.

### 2.1.25 Vaidya Manoramā by Kālidāsa

Source work (Manuscript/ Book)	Book. Vaidya Manoramā by Nīlakaṇṭha Śarmā, edited with <i>Devanāgarī</i> script. <sup>1</sup>
Language	Sanskrit.
Script	Malayalam.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation.
Status	Published.
Publication details	Vaidyavara Śrī Kālidāsa viracita Vaidya Manoramā, transcribed from Malayalam to Sanskrit by Nīlakaṇṭha Śarmā and Hindi translation by Taracand Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi 2005.

<sup>1</sup> Preface of Vaidyamanorama, published by CCRAS, New Delhi 2005. Source work probably of Vaidya Manoramā edited in Malayalam script by Vayaskara N.S. Moos, Part I, Vaidya Sarathy Series, No. 3. Koottayam 1951; part II, second revised edition, Vaidya Sarathy Series, Book no. M-1, Kottayam 1978.



### 2.1.26 Rasamañjūṣā of Dvārakātripāthī.

Source work (Manuscript/ Book)	Manuscript. Mss. Acc No. 15, Central Council for Research in Ayurvedic Sciences, New Delhi.
Language	Lokabhāṣā (Rajasthani)
Script	Lokabhāṣā (Rajasthani)
Manuscript material	Paper manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Hindi text.
Status	Published.
Publication details	Dvārakātripāthī viracita (Lokabhāṣā) - Rasamañjūṣā, Hindi translation by Taracand Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi 2005.

### 2.1.27 Vaidyaka Saṁgraha

Source work (Manuscript/ Book)	Manuscript
Language	Rajasthani, Gujarati.
Script	Rajasthani, Gujarati.
Manuscript material	Paper manuscript.
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation.
Status	Published.
Publication details	Vaidyaka Saṁgraha, transcribed from Rajasthani, Gujarati to Sanskrit and Hindi translation by Taracand Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi 2005.



<b>2.1.28 Basavarājīyam</b>	
Source work (Manuscript/ Book)	Rare book. Nīlakaṇṭha Basavarāju viracita Basavarājīyam, Mysore Sansthan, Mysore 1898.
Language	Sanskrit.
Script	Telugu.
Manuscript material	-
Other Manuscripts/ books referred/collated	1. Nīlakaṇṭha Basavarāju viracita Basavarājīyam with Telugu interpreted by & edited by Puvvāḍa Sūryanārāyaṇa Ravu, assisted by Vīrāsvāmiśāstrulu and Jayakṛṣṇadāsu, published by Vavilla Ramaswami Shastrulu and Sons, Chennai 1951.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation.
Status	Published.
Publication details	Koṭṭūru Nīlakaṇṭha Basavarājaviracita Basavarājīyam Hindibhāṣānuvādasahita, Hindi translation by Rangacarya V., edited by Lavekar G.S., Narayana A. and Bhuvnesh Kumar Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi 2007.

<b>2.1.29 Śarabharājīyam</b>	
Source work (Manuscript/ Book)	Rare book. Śarabharājīyam of Tullūriśarabharāja, Second edition, Veṭūri Śāṅkaraśāstri, Arṣarasāyanaśāla, Muktyāla 1928.
Language	Telugu.
Script	Telugu.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	English translation of verses without Telugu <i>mūlapāṭha</i> (principal text).
Status	Published.
Publication details	Śarabharājīyam of Tullūriśarabharāja, translated from Telugu to English by Rama Rao B., edited by Narayana A., Central Council for Research in Ayurveda and Siddha, New Delhi 2007.





<b>2.1.30 Vaidyaka Prayoga Vijñānamu</b>	
Source work (Manuscript/ Book)	Rare book. Vaidyaka Prayoga Vijñānamu (Sahasrādhika ekamūlikā prayoga vidhānamulu) by Śrī Indraghaṇṭi Veṅkaṭeśvara Śarmā, 9 kusuma, Āndhrāyurveda Pariṣad, Vijayawada 1964.
Language	Sanskrit, Telugu.
Script	Telugu.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation.
Status	Published.
Publication details	Vaidyaka Prayoga Vijñānamu by Śrī Indraghaṇṭi Veṅkaṭeśvara Śarmā, translated from Telugu to English by Vidya Sagar M., edited by Lavekar G.S. and Narayana A., Central Council for Research in Ayurveda and Siddha, New Delhi 2007.

<b>2.1.31 Aupasargikatantrātaragata Pūyamehavijñānamu</b>	
Source work (Manuscript/ Book)	Rare book. Aupasargikatantrātaragata Pūyamehavijñānamu by Veṅpaṭi Koṭeśvara Śāstrī and Nāgaliṅga Viśvanātha Śāstrī, Śrī Cintāmaṇi Vaidya Granthamaṇḍali, Saṅgamjāgarlamūḍi 1938.
Language	Sanskrit.
Script	Telugu.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation.
Status	Published.
Publication details	Aupasargikatantrātaragata Pūyamehavijñānamu by Veṅpaṭi Koṭeśvara śāstrī and Nāgaliṅga Viśvanātha Śāstrī, English translation with critical commentary by Srinivasulu M. and Narmada Reddy C., edited by Lavekar G.S. and Narayana A., Central Council for Research in Ayurveda and Siddha, New Delhi 2007.



<b>2.1.32-33 Vaidyaka Cikitsā Sāra, Pūrvārdha and Uttarārdha</b>	
Source work (Manuscript/ Book)	Rare book. Vaidyaka Cikitsā Sāra composed by Gopārajī Kumvarajī Ṭhakkura.
Language	Gujarati.
Script	Gujarati.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Hindi text.
Status	Published
Publication details	Vaidya Gopārajī Kumvarajī Ṭhakkura likhita Vaidyaka Cikitsā Sāra, Pūrvārdha and Uttarārdha, translated from Gujarati to Hindi by Pranav K. Dave and Dave K. J., edited by Lavekar G.S., Padhi M.M., Mangal A.K., Sharma M.M. and Sharma B.S., Central Council for Research in Ayurveda and Siddha, New Delhi 2008.

<b>2.1.34-35 Abhinavacintāmaṇi, Part I and II.</b>	
Source work (Manuscript/ Book)	Book. Abhinavacintāmaṇiḥ, transcribed from Oriya to Devanāgarī by Prem Kishore, Sudarshana Sharma and Madhava Candra, CCRAS, New Delhi 1999.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation and indexing of Abhinavacintāmaṇi.
Status	Published.
Publication details	Mahāmati Bhagavāna Cakrapāṇidāsa kṛta Abhinavacintāmaṇiḥ, Part I and II, Hindi translation by Taracand Sharma, edited by Lavekar G.S., Padhi M.M., Mangal A.K., Sharma M.M. and Sharma B.S., Central Council for Research in Ayurveda and Siddha, New Delhi 2009.



### 2.1. 36 Cikitsārṇava (Viśvanāthacikitsā) – Pūrvārdha

Source work (Manuscript/ Book)	Manuscript. Acc Ay/510 (A), Odisha State Museum, Bhubaneshwar, Odisha.
Language	Sanskrit.
Script	Oriya.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	1. Mss Acc. No.222 (Āyurveda sārasaṅgraha), Odisha State Museum, Bhubaneshwar, Odisha. 2. Private Collection from Shri. Prafulla Chandra Baliyar Simha, Khoradha. 3. Mss. Acc No.186 (Sārasaṅgraha), Odisha State Museum, Bhubaneshwar, Odisha.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation and indexing.
Status	Published.
Publication details	Mahāmahopādhyāyaviśvanāthaseṇakṛtaḥ- Cikitsārṇavaḥ (Viśvanāthacikitsā), Pūrvārdhaḥ, Hindi translation by Padhi M.M. and Sudarshan Das, edited by Lavekar G.S., coordinated by Audicya K.C., editorial assistance by Das B., Sharma M.M., Sharma B.S. and Nikhil J., Central Council for Research in Ayurveda and Siddha, New Delhi 2009.

### 2.1.37 Cikitsārṇava (Viśvanāthacikitsā)- Uttarārdha

Source work (Manuscript/ Book)	Manuscript. Acc Ay/510 (A), Odisha State Museum, Bhubaneshwar, Odisha.
Language	Sanskrit.
Script	Oriya.
Manuscript material	Palm leaf manuscript.
Other Manuscripts/ books referred/collated	1. Mss Acc. No.222 (Āyurveda sārasaṅgraha), Odisha State Museum, Bhubaneshwar, Odisha. 2. Private Collection from Shri Prafulla Chandra Baliyar Simha, Khoradha. 3. Mss. Acc No. 186 (Sārasaṅgraha), Odisha State Museum, Bhubaneshwar, Odisha.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation and indexing.
Status	Published.
Publication details	Mahāmahopādhyāyaviśvanāthaseṇakṛtaḥ- Cikitsārṇavaḥ (Viśvanāthacikitsā) Uttarārdhaḥ, Hindi translation by Padhi M.M. and Sudarshan Das, edited by Lavekar G.S., coordinated by Audicya K.C., editorial assistance by Das B., Sharma M.M., Sharma B.S. and Nikhil J., Central Council for Research in Ayurveda and Siddha, New Delhi 2010.



<b>2.1.38 Rasacaṇḍāṁśu</b>	
Source work (Manuscript/ Book)	Rare book. Dattobollala Borakar, Rasacaṇḍāṁśu, Marathi translation, Yashvanta Press, Poona 1919.
Language	Sanskrit.
Script	Marathi.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi translation and indexing.
Status	Published.
Publication details	Rasacaṇḍāṁśu, Hindi translation by Savarikar S.S., edited by Ramesh Babu D., Lavekar G.S. and Padhi M.M., editorial assistance by Sharma M.M., Sharma B.S., Lavaniya V.K., Nikhil J. and Upendra S., Central Council for Research in Ayurveda and Siddha, New Delhi 2011.

<b>2.1.39 Basavarājīyam</b>	
Source work (Manuscript/ Book)	Book. Koṭṭūru Nīlakaṇṭha Basavarājviracita Basavarājīyamu Hindibhāṣānuvādasahita, Hindi translation by Rangacarya V., edited by Lavekar G.S., Narayana A. and Bhuvnesh Kumar Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi 2007.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation.
Status	Published.
Publication details	Basavarājīyamu by Koṭṭūru Nīlakaṇṭha Basavarāju, edited and English translation by Narayana A., National Institute of Indian Medical Heritage, Hyderabad 2013.



<b>2.1.40 Vaidyacintāmaṇi</b>	
Source work (Manuscript/ Book)	Rare book. Vaidyacintāmaṇi of Indraganṭhi Vallabhācāryā, edited & revised by Kotta Venkaṭasubbarāmayya, Sanskrit text in Telugu script and Telugu commentary by Piḍugu Subbarāmayya, Part I & II, Hinduratnākara Mudrākṣarasālā, Chennapuri 1925.
Language	Sanskrit.
Script	Telugu.
Manuscript material	-
Other Manuscripts/ books referred/collated	1. Vaidyacintāmaṇi (Sanskrit text with Telugu script along with Telugu translation), published by Vavilla Ramaswamy Sastrulu & Sons, Madras 1952. 2. Vaidyacintāmaṇi edited and Hindi translation by Ramnivas Sharma, Dakshin Prakashan, Hyderabad 1994.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation and indexing.
Status	-
Publication details	Under Publication.

<b>2.1.41 Nāvanītaka</b>	
Source work (Manuscript/ Book)	Rare book. Āyurvedīya Nāvanītakaṃ or The Bower's Manuscript critically edited with various readings and restorations for the first time from the Editeo Princeps of the Late Dr. Hoernle by Kaviraj Balwant Singh Mohan, Mehar Chand Lachman Das, Lahore 1925.
Language	Sanskrit, Prākṛt.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by Hindi and English translation and indexing of the text.
Status	Under editing.
Publication details	-



<b>2.1.42 Cakradatta- Ratnaprabhā (Residual portion of the manuscript)</b>	
Source work (Manuscript/ Book)	Cakradatta – Ratnaprabhā (Residual portion of the manuscript), edited by Priyavrat Sharma, CCRAS, New Delhi 2003.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	Manuscript. Mss. Acc. No. 889 of 1887-97, Bhandarkar Oriental Research Institute, Poona, Maharashtra.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation and indexing of the text.
Status	Under editing.
Publication details	-

<b>2.1.43 Dravyaguṇa Śataśloki</b>	
Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No. 1, Institute's Catalogue, Govt. Ayurveda College, Gwalior, Madhya Pradesh.
Language	Sanskrit
Script	Devanāgarī.
Manuscript material	Paper manuscript.
Other Manuscripts/ books referred/collated	1. Mss. Acc. No. 609/B, Ved Shastra Vidya Samvardhan Mandal, Karad, Maharashtra. 2. Mss. Acc. No. 12842, Vaidic Samsodhan Mandal, Pune, Maharashtra. 3. Mss. Ass. No. 150GAS, Krishnadattakṛta Dravyaguṇa Śataślokisa ṭīkā, Gujarat Ayurveda University, Jamnagar, Gujarat.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation and indexing.
Status	Under editing.
Publication details	-



<b>2.1.44 Sahasrayoga</b>	
Source work (Manuscript/ Book)	Book. Sahasrayoga, Hindi translation by Pandit Rao D.V. and Sarada Nair, edited by Mahendrapal Simha Arya, Pandey V.N., Mishra S.K. and Sacchidananda Tiwari, Central Council for Research in Ayurveda and Siddha, New Delhi 1990 and 2011 reprint edition.
Language	Sanskrit.
Script	Devanāgarī and Hindi.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation along with indexing.
Status	Under editing.
Publication details	-

<b>2.1.45 Vaidyavallabha</b>	
Source work (Manuscript/ Book)	Manuscript. Mss. Acc. No. 29/2306, Bharat Itihas Samshodhak Mandal, Pune, Maharashtra.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	Paper manuscript.
Other Manuscripts/ books referred/collated	1. Mss. Acc. No. 29/2307, Bharat Itihas Samshodhak Mandal, Pune, Maharashtra. 2. Mss. Acc. No. 29/2308, Bharat Itihas Samshodhak Mandal, Pune, Maharashtra. 3. Print version of Vaidyavallabha (Acc. No. 950), NIIMH, Hyderabad.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation along with indexing.
Status	Under publication.
Publication details	-



<b>2.1.46 Vaidyāmṛta</b>	
Source work (Manuscript/ Book)	Book. Moreśvarabhaṭṭa viracita Vaidyāmṛta with Telugu translation by Mulukuṭṭa Viśvanāthaśāstrī, Vartamānatarāṅgiṇī Press, Madras 1877.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	Vaidyamṛta with Bāndhavīṭikā by Bāndhavarama Śarmā, Buṭidarpana, Lahore 1894.
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation along with indexing.
Status	Under publication.
Publication details	-

<b>2.1.47 Rasapradīpikā</b>	
Source work (Manuscript/ Book)	Book Rasapradīpikā, edited with Hindi translation, Central Council for Research in Ayurveda and Siddha, New Delhi 2003.
Language	Telugu
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English translation along with indexing.
Status	Under editing.
Publication details	-





### 2.1.48 Netraprakāśikā

Source work (Manuscript/ Book)	Book. Netraprakāśikā, Central Council for Research in Ayurveda and Siddha, New Delhi 1999.
Language	Devanāgarī
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/ collated	-
Outcome	Sanskrit <i>mūlapāṭha</i> (principal text) in <i>Devanāgarī</i> script followed by English and Hindi translation along with indexing.
Status	Ongoing.
Publication details	-

### 2.1.49 Marmadarpaṇa

Source work (Manuscript/ Book)	Book
Language	Malayalam
Script	Malayalam.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	Hindi and English translation
Status	Ongoing.
Publication details	-

### 2.1.50 Carakapradīpikā

Source work (Manuscript/ Book)	Book. Carakapradīpikā, Commentary on Caraka saṁhitā, edited by Jyotish Chandra Saraswati Motilal Banarasi Das, Delhi 1946.
Language	Sanskrit.
Script	Devanāgarī.
Manuscript material	-
Other Manuscripts/ books referred/collated	-
Outcome	-
Status	Ongoing.
Publication details	-



## 2.2 Centralized Digitized Repository of Medical Manuscripts of AYUSH Systems of Medicine.

Apart from editing and publication of manuscripts and rare books, the Council has taken major initiative to create a **Centralized Digital Repository of Medical Manuscripts of AYUSH Systems of Medicine** with an objective to conserve and preserve rich cultural and medical heritage of India for posterity as well as to provide easy access.

As on date, CCRAS has surveyed and digitized more than 5000 Ayurveda, Yoga, Unani, Siddha, Sowa Rigpa etc., manuscripts/ rare books from Odisha, West Bengal, Bihar, Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Assam and Jammu & Kashmir (Leh) etc. Out of 5000 collections, more than 4000 digitized manuscripts are catalogued and the descriptive catalogues of the same are published.

Under the “Survey, cataloguing and digitized inventory of medical manuscripts” program, about 5000 manuscripts are digitized from manuscript libraries, museums, educational and cultural institutions, private collections etc., across the country. Among the 5000 manuscripts, metadata of 2086 Ayurveda, 598 Siddha, 542 Unani, 628 Sowa-Rigpa, 49 Yoga and 179 other manuscript’s prepared under 44 fields. Apart from manuscripts, the metadata of 1336 rare books is presented in 18 fields. The entire data is published in following nine descriptive catalogues.

1. Descriptive Catalogue of Medical Manuscripts - Under the project “Survey, cataloguing and digitized inventory of medical manuscripts in Eastern India”, Volume I (2010).
2. Descriptive Catalogue of Medical Manuscripts - Under the project “Survey, cataloguing and digitized inventory of medical manuscripts in Eastern India”, Volume II (2010).
3. Descriptive Catalogue of Medical Manuscripts - Under the project “Survey, cataloguing and digitized inventory of medical manuscripts in Eastern India”, Volume III (2011).
4. Collection and Digitization of Medical Manuscripts from South India, Maharashtra and Madhya Pradesh, Descriptive Catalogue, Part 1 (2013).
5. Collection and Digitization of Medical Manuscripts from South India, Maharashtra and Madhya Pradesh, Descriptive Catalogue, Part 2 (2013).
6. Descriptive Catalogue of Sowa-Rigpa Manuscripts - Under the project “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume I (2013).
7. Descriptive Catalogue of Sowa-Rigpa Manuscripts - Under the project “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume II (2013)
8. Descriptive Catalogue of Sowa-Rigpa Manuscripts - Under the project “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume III (2013).
9. Descriptive Catalogue of Sowa-Rigpa Manuscripts - Under the project “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume IV (2016).





### 2.3 Development of e-books

Apart from revival and retrieval of manuscripts and rare books, the Council has taken major initiative in bringing out electronic version of important treatises (saṁhitā), compendia/lexicons (nighaṇṭu) and Pharmacopeias and Formularies of Ayurveda and Siddha. These e books are designed and developed by using in house technology at CCRAS-National Institute of Indian Medical Heritage, Hyderabad. Apart from being used as a search tool, the user can read the texts of Carakasāṁhitā, Suśrutasaṁhitā, Mādhavanidānam and 25 Nighaṇṭu in eight Oriental languages. These e books are widely referred by students, research scholars, and faculty of Ayurvedic teaching/ Research Institutions. The list of e books developed as on date are

1. The Ayurvedic Pharmacopoeia of India, Part I, Volume I-V (2007).
2. The Ayurvedic Formulary of India, Part I and II (2008).
3. The Ayurvedic Pharmacopoeia of India, Part II, Volume I (Formulations) (2008).
4. The Ayurvedic Pharmacopoeia of India, Part II, Volume II (Formulations) (2008).
5. The Siddha Pharmacopoeia of India, Part I, Volume I (2008).
6. The Ayurvedic Pharmacopoeia of India, Part I, Volume VI (2010).
7. E Carakasāṁhitā with Cakrapāṇidatta's commentary (2010).
8. E Suśrutasaṁhitā with Ḍalhaṇa's & Gayadāsa's commentaries (2010).
9. E Mādhavanidānam with Madhukośa and Ātaṅkadarpaṇa commentaries (2012).
10. E Nighaṇṭu (collection of 25 Ayurvedic Lexicons) (2012).
11. E book- Hand book of Domestic Medicine and Common Ayurvedic Remedies (2012)-English version.
12. Ayurveda Encyclopedia (2013).

Fig. 4. e-Books



e-Charakasamhitā with Cakrapānidatta's Commentary (2010).



e-Suśrutasamhitā with Ḍalhaṇa's & Gayadāsa's Commentaries (2010).



e-Mādhvanidānam with Madhukośa and Ātaṅkadarpaṇa Commentaries (2012).



e-Nighaṅṭu- Collection of 25 Ayurvedic Lexicons (2012).



Ayurveda Encyclopedia (2013).



e-book- Handbook of Domestic Medicine and Common Ayurvedic Remedies (2012).



Fig. 5. (a). A folio from Aggastiyar Parpam, a palm leaf manuscript. Digitized with the courtesy from French Institute of Pondicherry, Pondicherry

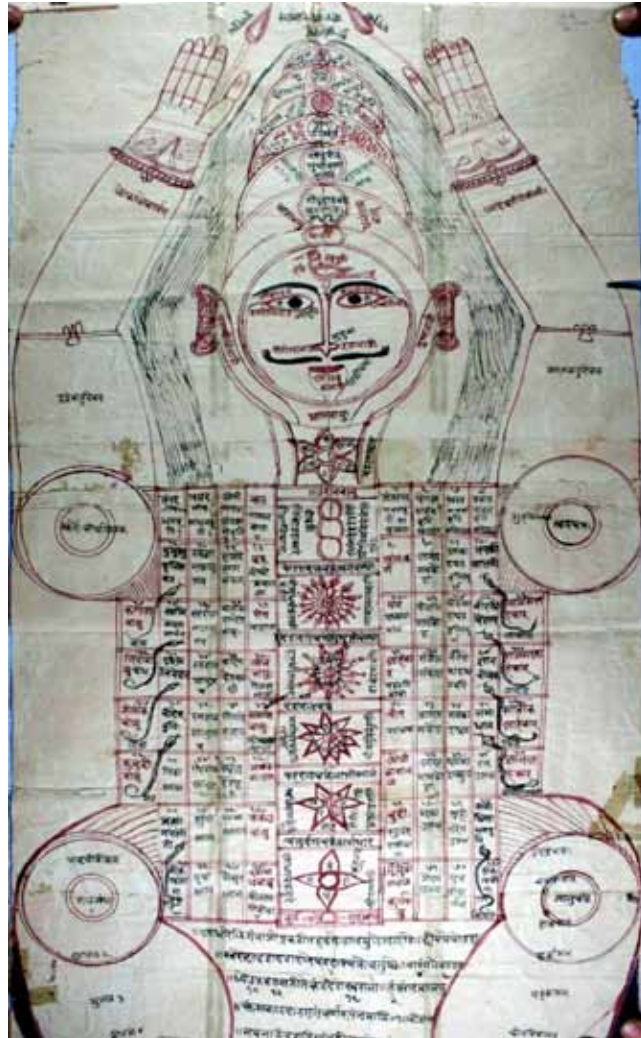


Fig. 5. (b). Single page rare manuscript about artistic representation of Saṭcakra. Digitized with courtesy from Sri Samarth Vagdevata Mandir, Dhule, Maharashtra



Fig. 5. (c). A folio from शालिहोत्र mss. also known as अश्वफलप्रकाश written by Himmati Bahadura. Digitized with the courtesy from Sri Samartha Vagdevata Mandir, Dhule, Maharashtra. Acc. No. : 2077

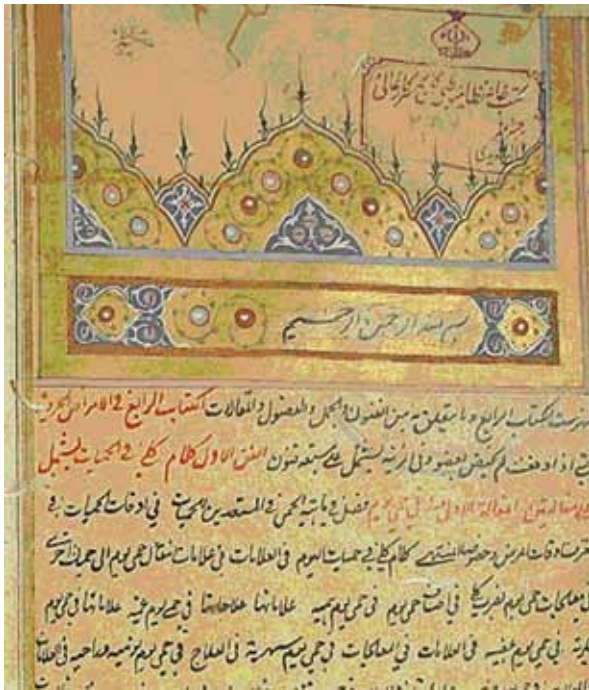


Fig. 5. (d). Al kitabur Rabey fil Amrazil hareeqah [Fourth book of Al-Quanoon on Burn Injuries] Unani Paper Manuscript – with Gold tinge



## CHAPTER 3

### MEDICO-HISTORICAL RESEARCH

Two main components of the Literary Research & Documentation Program of CCRAS are Medico-historical Research and Literary Research. Till date, about 396 studies pertaining to Ayurveda, Yoga & Naturopathy, Unani, Siddha, Homoeopathy, Modern medicine and works of European writers have been carried out by Council under Medico-historical Research, which have been published from time to time. These studies are broadly classified under following categories:

1. Search and collection of information, editing and publication of medical manuscripts/ rare books.
2. Biographical studies and articles on authors/compilers/ redactors/ commentators of classical treatises and physicians.
3. Translation of selected passages from ancient medical classics.
4. Study and collection of medical information from Archaeological and Epigraphical sources and archives.
5. Collection/ compilation of medical information from non-medical literature (Veda, Purāṇa, Epics, holy Quran, holy Bible etc.).
6. Medico-historical papers on drugs/ diseases.
7. Writings on history of medicine (area wise, period wise and theme wise).
8. Travelers' accounts on the development of medical science.
9. History of Ayurveda/ Unani.
10. General articles on Ayurveda/ Unani
11. List of medical works in Ayurveda/ Unani.
12. Medico-historical studies on Siddha.
13. Medico-historical studies on Homoeopathy
14. Medico-historical studies on Yoga and Naturopathy.
15. Medico-historical studies on Modern Medicine.
16. Medico-historical studies by early European medical writers.
17. Compilation of bibliographic indexes.

The list of the publications of CCRAS Medico-historical research is as follows:





### 3.1 Medico-historical studies in Ayurveda

#### 3.1.1. Search and collection of information, editing and publication of rare medical manuscripts/ books:

S. No.	Title	Author(s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Cārucaryā: A medieval Sanskrit treatise on personal hygiene.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 1-2, Page: 1-6.	1971	PMID: 11609323
2	Ānandakandam (Root of Bliss): A medieval medical treatise of South India:Introduction.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 1-2, Page: 7-9.	1971	PMID: 11609328
3	A note on Hara Mekhala - A work in Prakrit of interest-Health &Medicine.	Rama Rao B., Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 3 - 4, Page: 107-111.	1971	PMID: 11609334
4	A rare Sanskrit medical manuscript of early period of Vijayanagar kingdom. (Vaidyavallabha by Lakshmana Pandita, Pranacharya of king Bukka II (1404-1406 A.D.).	Subba Reddy D.V., Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 61-64.	1972	PMID: 11615400
5	A note on Vaidya Sastra Sivanubhava- An Ayurvedic manuscript of XVII century A.D.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 3, Page: 117-120.	1972	PMID: 11609644
6	Parahita Samhita, a Sanskrit medical treatise of 15 <sup>th</sup> century.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 4, Page: 199-206.	1972	PMID: 11609242
7	A note on Vithal Galand and his works including one unknown work called Vaidyavallabha samhita.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 1, Page: 1-8.	1973	-
8	Glimpses of famines, plagues, medicine and magic in ancient and medieval Kashmir as described in Rajatarangini (12 <sup>th</sup> century).	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 1, Page: 9-23.	1973	-



S. No.	Title	Author(s)	Publication details (Journal/ Book)	Year	PUBMED ID
9	A note on Harita samhita.	Subba Reddy D.V., Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 2, Page: 59-61.	1973	PMID: 11609672
10	Glimpses of medicine in Rajatarangini (continued from the Vol.III, No: 1, January 1973, page 23).	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 3, Page: 111-121.	1973	PMID: 11609246
11	Abhidhanaratnamala (A work with a new classification of dravyas).	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 4, Page: 165-168.	1973	PMID: 11613622
12	Glimpses of medicine in Rajatarangini (continued from the Vol. III, No.3, July 1973, P. 121).	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 4, Page: 189-200.	1973	PMID: 11613627
13	Netradarpanam (Mirror of Eye) - A treatise on Eye diseases in Telugu. [An account of the Author and the book].	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 1, Page: 9-13.	1974	PMID: 11610706
14	Ayurvedic literature in Telugu.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 2, Page: 76-82.	1974	-
15	Bhishagvaranjanam.	Rama Rao B., Sastry V.V.S.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 3 - 4, Page: 129-140.	1974	-
16	Nāḍīdarpaṇa or Nāḍīnidāna.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 3-4, Page: 141-144.	1974	-
17	Cyclopaedias in Telugu language on herbs, drugs and popular home remedies.	Sastry V.V.S.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 3- 4, Page: 145 to 150.	1974	-



S. No.	Title	Author(s)	Publication details (Journal/ Book)	Year	PUBMED ID
18	Rasapradipika - A Sanskrit medical work attributed to Bharadvaja.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 3, Page: 123-128.	1975	PMID: 11616380
19	Aṣṭāṅgahr̥daya dīpikā of Udayāditya.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 4, Page: 224-232.	1976	PMID: 11610006
20	Additional material in Aṣṭāṅgasaṅgraha.	Sarma C.R., Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1979, Volume: 9, Issue: 1-4, Page: 1-12.	1979	PMID: 11613641
21	References to Āyurveda in the commentaries of Mallinatha.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1979, Volume: 9, Issue: 1-4, Page: 13-20.	1979	PMID: 11613643
22	Additional material in Aṣṭāṅgasaṅgraha.	Sarma C.R., Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 23-33.	1980	PMID: 11613675
23	A note on the new edition of Bhela Saṁhitā.	Sarma C.R., Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 7-14.	1980	PMID: 11613682
24	Contributions of Siddhabheṣajamaṇimālā, a treatise of 19 <sup>th</sup> century.	Pandey V.N.	Bulletin of the Indian Institute of History of Medicine, Year: 1987, Volume: 17, Issue: 1, Page: 1-56.	1987	PMID: 11621582
25	A study of the Nāvanītaka: The Bower Manuscript.	Pandey V.N., Ayodhya Pandey.	Bulletin of the Indian Institute of History of Medicine, Year: 1988, Volume: 18, Issue: 1, Page: 1-46.	1988	PMID: 11621917
26	Mukhzan- e- Ayurveda.	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1988, Volume: 18, Issue: 2, Page: 87-90.	1988	PMID: 11622583
27	An introduction to Abhinava chintamani: An Ayurveda treatise from Orissa.	Prem Kishore, Dash S., Nanda M.C.	Ancient Science of Life, Year: 1990, Volume: 10, Issue: 1, Page: 64-69.	1990	PMID: 22556512



S. No.	Title	Author(s)	Publication details (Journal/ Book)	Year	PUBMED ID
28	Ayurvedic literature in Orissa - An overview.	Prem Kishore, Padhi M.M., Nanda G.C.	Ancient Science of Life, Year: 1990, Volume: 10, Issue: 2, Page: 132-136.	1990	PMID: 22556523
29	Ayurvedasāra or Virabhaṭṭiya of Revanasiddha.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1990, Volume: 20, Issue: 1, Page: 1-6.	1990	PMID: 11612573
30	Introduction to Mādhavanidāna.	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1992, Volume: 22, Issue: 2, Page: 145-158.	1992	PMID: 11612965
31	Skin diseases – Management with reference to Ranbir Prakash.	Naresh Kumar, Anil Kumar.	Bulletin of the Indian Institute of History of Medicine, Year: 1996, Volume: 26, Issue: 1-2, Page: 81-86.	1996	PMID: 11619401
32	Definition of Nidana Panchaka (first chapter of Madhavanidana).	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 2, Page: 163-171.	1997	PMID: 12572581
33	Ayurvedic literature in Urdu (Part- I).	Hussain S.A., Bhatnagar V.K., Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1998, Volume: 28, Issue: 2, Page: 151-158.	1998	PMID: 12596764
34	Definition of Nidāna Pancaka (first chapter of Mādhavanidāna).	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1999, Volume: 29, Issue: 1, Page: 1-13.	1999	PMID: 12585278
35	Ayurvedic literature in Urdu (Part –II).	Hussain S.A., Bhatnagar V.K., Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1999, Volume: 29, Issue: 2, Page: 149-153.	1999	PMID: 12585313
36	Āyurvedic heritage of J & K: A review of Sri Ranbira Cikitsa Sudha Sāra.	Anil Kumar, Gain Singh, Naresh Kumar.	Bulletin of the Indian Institute of History of Medicine, Year: 2001, Volume: 31, Issue: 2, Page: 133-138.	2001	PMID: 12841189
37	Ayurvedic literature in Urdu (Part-III).	Hussain S.A., Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 32, Issue: 2, Page: 109-119.	2002	PMID: 15981375



S. No.	Title	Author(s)	Publication details (Journal/ Book)	Year	PUBMED ID
38	Some important aspects of Nadi Pariksha from Basavarajeeyam.	Prasad G.P., Bharathi K., Swamy R.K.	Ancient Science of Life, Year: 2004, Volume: 27, Issue: 1, Page: 27-29.	2004	PMID: 22557147
39	Descriptive notes on two rare books: A Hindi book on the 'Uses of the country, Bazar Medicines of India and Materia Indica.	Prasad P.V.V., Bhatnagar V.K., Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 2004, Volume: 34, Issue: 1, Page: 87-97.	2004	PMID: 17152616
40	Important Āyurveda literatures from the manuscripts available from Orissa (Cikitsārṇava).	Padhi M.M., Das B., Audicya K.C., Rao M.M.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 1, Page: 33-40.	2005	PMID: 17333660
41	Bhiṣaksudhārṇavam - An unexplored precious Andhrasampradaya Āyurveda grantha.	Prasad G.P., Sastri P.S., Swamy R.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 1, Page: 77-82.	2005	PMID: 17333664
42	Some explorative information regarding Jwaratimirabhāskara and its author Kāyastha Chāmunda.	Padhi M.M., Rana D.K., Rao M.M.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 2, Page: 93-100.	2005	PMID: 17333666
43	Vṛkṣāyurveda of Parāśara – An ancient treatise on Plant Science.	Prasad G.P., Neelima G., Pratap G.P., Swamy G.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 1, Page: 63-74.	2006	PMID: 18175643
44	Netradarpanam: An unique book on Eye diseases.	Prasad G.P.	Ancient Science of Life, Year: 2007, Volume: 27, Issue: 2, Page: 33-36.	2007	PMID: 22557269
45	A critical study of the manuscripts of Paryāya Muktvālī available at Orissa.	Padhi M.M., Rao M.M., Sharma M.M., Hota N.P.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 1, Page: 81-86.	2007	PMID: 19569454
46	Reflective note of aromatic medicinal plants cited in Sarvaushadhi Guṇa Kalpakam: A Telegu compendium on Ayurvedic Materia medica.	Srikanth N., Venkateshwarlu B., Rajesh Singh, Nikhil J., Rao M.M., Haripriya N., Sharma M.M., Sharma B.S., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 1, Page: 41-54.	2008	-



S. No.	Title	Author(s)	Publication details (Journal/ Book)	Year	PUBMED ID
47	An insightful exposition on Sarvaṣadhi Guṇa Kalpakam: A less familiar compendium on Ayurveda Materia medica.	Srikanth N., Sreenivasacharya N., Ananthacharyulu, Venkateshwarlu B., Sharma M.M., Haripriya N., Rao M.M., Rajesh Singh, Nikhil J.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 2, Page: 171-178.	2008	-
48	Śrīnātha Paṇḍita - Author of Parahitasamhitā (a lesser known Ayurveda scholar of Āndhradeśa).	Subhose V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 2, Page: 189-200.	2008	-
49	A prologue on Vaidyaka Prayoga Vijñāna - 20 <sup>th</sup> Century Ayurvedic classic in Telugu.	Narayana A., Giridhar V.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 2, Page: 191-220.	2009	-
50	Vaidyacinṭāmaṇi – an important compendium on Ayurvedic therapeutics.	Narayana A., Venkateshwarlu B.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 1, Page: 1-12.	2010	-
51	Ayurvedic treatment of cattle (Paśu Āyurveda) w.s.r.to Sahadeva.	Prasad G.P., Narayana A.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 207-220.	2011	-
52	An insightful exposition on Siddhamantra with Prakāśa vyākhyā: A less familiar compendium on Ayurvedic Materia medica.	Venkateshwarlu B., Narayana A.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 19-29.	2011	-
53	Some important Ayurvedic medicaments for horse diseases from Ashvaphalaprakasha.	Prasad G.P., Swathi P., Swamy R.K.	International Journal of Research in Ayurveda and Pharmacy, Year: 2016, Volume: 7, Suppl. 1, Page: 36-41.	2016	-
54	Strīvilāsa – An Ayurvedic manuscript on cosmetic procedures of females, aphrodisiacs, diseases and medicines.	Prasad G.P., Swathi P., Bharathi K., Babu G., Srikanth N., Dhiman K.S.	Indian Journal of History of Science, Year: 2017, Volume: 52, Issue: 3, Page: 275-286.	2017	-



### 3.1.2 Biographical studies and articles on authors/compilers/ redactors/ commentators and physicians of classical treatises.

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
1	Bhaṭṭāra Haricandra.	Sastry V.V.S., Pandey A.N.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 1, Page: 1-8.	1975	PMID: 11609885
2	Svāmi Kumāra.	Pandey A.N., Sastry V.V.S.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 2, Page: 65-68.	1975	PMID: 11609900
3	Jajjata.	Sastry V.V.S., Pandey A.N.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 3, Page: 115-122.	1975	PMID: 11616379
4	Gadādhara.	Pandey A.N., Rama Rao B., Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 4, Page: 193-197.	1975	PMID: 11613613
5	Vāpyacandra.	Pandey A., Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 1, Page: 1-7.	1976	PMID: 11610445
6	Kārtikakuṇḍa.	Pandey A., Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 2, Page: 79-85.	1976	PMID: 11610480
7	Īśvarasena.	Ayodhya Pandey, Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 3, Page: 155-157.	1976	PMID: 11609962
8	Bakulakara.	Ayodhya Pandey, Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 4, Page: 221-223.	1976	PMID: 11610005
9	Sukīra - Sudhīra.	Ayodhya Pandey, Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 1-2, Page: 1-4.	1977	PMID: 11610464



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
10	Personal reminiscences of Dr. Kutumbaiah	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 1-2, Page: 66-71.	1977	PMID: 11610472
11	Gayadāsa.	Ayodhya Pandey.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 3-4, Page: 113-116.	1977	PMID: 11610482
12	Bhishagratna Achanta Lakshmipathi, his dedicated service to Ayurveda.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 76-83.	1980	PMID: 11613683
13	Commentators on classical texts.	Rama Rao B.	Chapter in History of Medicine in India (From Antiquity to 1000 A.D.), edited by Sharma P.V., Indian National Science Academy, New Delhi 1992, Page: 299-308.	1992	-
14	Cakrapāṇidatta.	Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 1992, Volume: 22, Issue: 1, Page: 53-59.	1992	PMID: 11612960
15	Ḍalhaṇa.	Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 1994, Volume: 24, Issue: 2, Page: 112-119.	1994	PMID: 11609031
16	Eminent Ayurvedic physicians of Nizam dynasty.	Bhatnagar V.K., Hussain S.A., Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1995, Volume: 25, Issue: 1-2, Page: 111-120.	1995	PMID: 11618830
17	Lesser known Ayurvedic physicians of India from an Urdu book - Rumoozul Atibba.	Hussain S.A., Subhaktha P.K.J.P., Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1996, Volume: 26, Issue: 1-2, Page: 49-58.	1996	PMID: 11619396





S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
18	Arunadatta and Hemadri scholiasts of Ashtanga Hridaya.	Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 1, Page: 25-32.	1997	PMID: 12575692
19	Todaramalla.	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 2, Page: 127-131.	1997	PMID: 12572571
20	Indu and Bhaṭṭanarahari- the commentators of Ayurvedic classical treatises.	Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 2001, Volume: 31, Issue: 2, Page: 155-160.	2001	PMID: 12841193
21	Pioneers of Ayurveda during Nizam-VII.	Venkata Rama Raju K., Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 31, Issue: 1, Page: 43-49.	2002	PMID: 15307214
22	Lesser known Ayurvedic physicians from an Urdu book - Rumoozul Atibba: Part-II.	Hussain S.A., Subhaktha P.K.J.P., Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 31, Issue: 1, Page: 57-61.	2002	PMID: 15307227
23	Biography of Bhāvamiśra, author of Bhāvaprakāśa (A treatise of Laghutrayee).	Prasad P.V.V., Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2003, Volume: 33, Issue: 2, Page: 169 -177.	2003	PMID: 17154117
24	Biography of Vaṅgasena – his contribution.	Subhaktha P.K.J.P., Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 2004, Volume: 34, Issue: 2, Page: 137-146.	2004	-
25	Śārṅgadhara – his contribution in Āyurvedic literature.	Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 1, Page: 47-60.	2005	PMID: 17333662



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
26	Biography of Kaśyapa and his contribution to Kaumārabhṛtya (Pediatrics).	Prasad P.V.V.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 2, Page: 101-112.	2005	PMID: 17333667
27	Biography of Mādhavakara: His scholarly contribution.	Subhose V., Srinivas P., Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 2, Page: 113-130.	2005	PMID: 17333668
28	Biography of Soḍhala and his contribution to Āyurveda.	Subhose V., Narayana A., Bhatnagar V.K., Rao M.M.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 1, Page: 43-62.	2006	PMID: 18175642
29	Biography of Narahari- the author of Rāja Nighaṇṭu.	Prasad P.V.V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 1, Page: 1-8.	2007	PMID: 19569449
30	Biography of Ācārya Priyavrata Śarmā and his contribution to Āyurveda.	Bhuvnesh Kumar Sharma, Tirumal Rao G., Narayana A.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 1, Page: 1-18.	2009	-
31	Lolimbarāja and his works.	Subhaktha P.K.J.P.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 1, Page: 19-28.	2009	-
32	Vāgbhaṭa - his contribution.	Subhaktha P.K.J.P., Manohar G., Narayana A.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 2, Page: 111-136.	2009	-
33	Maharṣi Caraka and his contribution to Āyurveda.	Bhuvnesh Kumar Sharma, Saketh Ram T., Narayana A.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 2, Page: 137-152.	2009	-
34	Contribution of Yējella Shri Ramulu Chaudari to Ayurvedic Veterinary Medicine- A Biographical Research Study.	Prasad G.P., Swamy R.K.	AYUSHDHARA, Year: 2015, Volume: 2, Issue: 4, Page: 1-10.	2015	-



### 3.1.3 Translation of selected passages from ancient medical classics

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
1	Ānandakandam narrated by Mahabhairava (English Translation).	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 1-2, Page: 10-16.	1971	-
2	Selected readings from Haramekhala – English translation.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 3- 4, Page: 112-119.	1971	-
3	Selected readings from Todarananda Ayurvedasaukhya.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 1, Page: 6-16.	1972	-
4	Haramekhala - English translation of selections from chapter-IV.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 65-70.	1972	PMID: 1609260
5	Anandakandam: Nineteenth Ullasa.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 3, Page: 121-129.	1972	PMID: 11609645
6	Parahitasamhita- English translation of select verses from Sadharana kanda.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 4, Page: 207-213.	1972	PMID: 11609243
7	Harita Samhita - translation of selected passages.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 2, Page: 62-67.	1973	PMID: 1609672
8	Vaidyaśāstraśivānubhava- Translation of selected readings.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 1, Page: 14-18.	1974	PMID: 11610702



### 3.1.4 Study and collection of medical information from Archaeological and Epigraphical Sources and Archives.

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
1	Medical history in inscriptions of ancient cave temples of India.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 4, Page: 175-198.	1972	PMID: 11609241
2	Medical allusions in some inscriptions of Andhra Pradesh.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 4, Page: 198-206.	1975	PMID: 11613614
3	Medical allusions in the inscriptions of Andhra Pradesh.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 1, Page: 28-36.	1976	PMID: 11610446

### 3.1.5 Collection/ compilation of medical information from Non-medical literature (Veda, Purāṇa, Epics, Holy Bible etc.).

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
1	Medical lore in the works of Śrīnātha.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 2, Page: 86-101.	1976	PMID: 11610481
2	Medicine and health in the Srishtikhanda of Padmapurana.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 1-2, Page: 20-30.	1977	PMID: 11610465
3	Daily regimen in Yashastilakachampu of Somadeva.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 2, Page: 117-123.	1977	PMID: 11610483
4	Buddha's discourses on medicament, treatment and nursing.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1984, Volume: 14, Issue: 1-4, Page: 19-31.	1984	PMID: 11611958
5	Medico historical information from non-medical sources.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1986, Volume: 16, Issue: 1-2, Page: 1-9.	1986	PMID: 11612418



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
6	Medical science in ancient Indian culture with special reference to Atharvaveda.	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 1995, Volume: 25, Issue: 1-2, Page: 100-110.	1995	PMID: 1161882
7	Embryology in Holy Bible.	Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 1996, Volume: 26, Issue: 1-2, Page: 87-92.	1996	PMID: 11619402
8	Medicine in the Holy Bible.	Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 1998, Volume: 28, Issue: 2, Page: 159-166.	1998	PMID: 12596765
9	Atharvaveda and its Materia Medica.	Prasad P.V.V.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 2, Page: 83-92.	2000	PMID: 12577897
10	Human anatomy in Atharvaveda.	Prasad P.V.V.	Bulletin of the Indian Institute of History of Medicine, Year: 2001, Volume: 31, Issue: 1, Page: 1-10.	2001	-
11	General medicine in Atharvaveda with special reference to Yaksma (consumption/ tuberculosis).	Prasad P.V.V.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 31, Issue: 1, Page: 1-14.	2002	PMID: 15303286
12	Kushtha (Skin disorders) in Vedic and other religious literatures - A review.	Singh O.P., Das B., Padhi M.M., Tewari N.S.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 31, Issue: 1, Page: 51-55.	2002	PMID: 15307215
13	Flora of the Holy Bible, Part I - Fruits.	Joseph G.V.R.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 32, Issue: 2, Page: 151-158.	2002	PMID: 15981378
14	Medicinal plants referred in Vamana Purana.	Prasad P.V.V., Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 2003, Volume: 33, Issue: 1, Page: 33-62.	2003	PMID: 17153794
15	Medicinal plants referred in Kauṭilya's Arthaśāstra.	Bhatnagar V.K., Prasad P.V.V.	Bulletin of the Indian Institute of History of Medicine, Year: 2004, Volume: 34, Issue: 1, Page: 1-16.	2004	PMID: 17152611



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
16	Āyurveda gleaned through Buddhism.	Narayana A., Lavekar G.S.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 2, Page: 131-146.	2005	PMID: 17333669
17	Contribution of Kautilya Arthashastra towards Dravyaguna Rasashastra and Bhaishajyakalpana branches of Ayurvedic Medicine.	Prasad G.P.	Ancient Science of Life, Year: 2006, Volume: 26, Issue: 1-2, Page: 26-38.	2006	PMID: 22557221
18	Diet, dietetics and flora of the holy Bible.	Subhaktha P.K.J.P., Narayana A., Bhuvnesh Kumar Sharma, Rao M.M.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 1, Page: 21-42.	2006	PMID: 18175641
19	Historical evidences on medico legal autopsy and toxicological descriptions in Kautilya's Arthaśāstra.	Prasad G.P., Babu G., Swamy G.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 2, Page: 167-176.	2006	PMID: 18175651
20	Introduction to Garuḍapurāṇa with reference to Āyurveda.	Subhose V., Narayana A., Prasad P.V.V., Rao M.M.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 2, Page: 97-116.	2006	PMID: 18175646
21	Contribution of Astrology in Medicine - A review.	Bhuvnesh Kumar Sharma, Prasad P.V.V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 1, Page: 45-62.	2007	PMID: 19569452
22	Medical information in Agnipurāṇa.	Prasad P.V.V., Subhaktha P.K.J.P., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 1, Page: 87-106.	2007	PMID: 19569455
23	A review of Brahmavaivarta purāṇa (BVP) with reference to Āyurveda.	Subhose V., Saketh Ram T., Bhatnagar V.K., Narayana A., Rao M.M.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 1, Page: 9-28.	2007	PMID: 19569450
24	Precepts of community health and hygiene from the holy Bible.	Subhaktha P.K.J.P., Prasad P.V.V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 2, Page: 107-116.	2007	PMID: 19580107



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID.
25	Paśu Āyurveda (Veterinary Medicine) in Garuḍapurāṇa.	Subhose V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 2, Page: 117-134.	2007	PMID: 19580108
26	Health promotion, preventive and curative aspects of diseases in Astrology.	Bhuvnesh Kumar Sharma, Subhaktha P.K.J.P., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 2, Page: 135-152.	2007	PMID: 19580109
27	Materia medica in Agnipurāṇa.	Prasad P.V.V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 1, Page: 1-24.	2008	-
28	Gleanings of Āyurveda in Rāmāyaṇa.	Subhose V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 1, Page: 25-40.	2008	-
29	Health aspects in Panchatantra.	Venkateshwarlu B., Narayana A.	Indian Journal of History of Science, Year: 2011, Volume: 46, Issue: 4, Page: 611-638.	2011	-

### 3.1.6 Medico-historical papers on drugs/ diseases.

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	History of Diabetes from remote to recent time.	Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 3, Page: 167-182.	1976	PMID: 11609964
2	Male sexual disorders in Indian traditional medicine- A historical review.	Padhi M.M.	Ancient Science of Life, Year: 1989, Volume: 9, Issue: 2, Page: 90-94	1989	PMID: 22557682
3	A medico-historical review of Arjuna.	Narayana A., Swamy R.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1996, Volume: 26, Issue: 1-2, Page: 1-10.	1996	PMID: 11619391
4	Khadria (Acacia catechu Linn.) – A medico-historical review.	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 1996, Volume: 26, Issue: 1-2, Page: 39-48.	1996	PMID: 11619395



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
5	Historical perspectives of the Twak rogas (Kushtha).	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 1, Page: 15-24.	1997	PMID: 12575685
6	Historical review of Vicharchika as per Ayurvedic classics.	Swamy R.K., Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 2, Page: 119-125.	1997	PMID: 12572559
7	Panduroga: A medico-historical study.	Prasad P.V.V.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 1, Page: 1-14.	2000	PMID: 12578000
8	Apāmārga ( <i>Achyranthes aspera</i> Linn.) A medico-historical review.	Prasad P.V.V., Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 2001, Volume: 31, Issue: 1, Page: 11-24.	2001	-
9	Jwara (Fever)- A medico historical perspective.	Prasad P.V.V.	Bulletin of the Indian Institute of History of Medicine, Year: 2001, Volume: 31, Issue: 2, Page: 103-126.	2001	PMID: 12841176
10	Diseases of Annavaha srotas (Gastroenterology): Historical view point.	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 31, Issue: 1, Page: 15-30.	2002	PMID: 15307207
11	Medico - historical review of drug Kustha ( <i>Saussurea lappa</i> C.B. Clarke).	Prasad P.V.V., Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 32, Issue: 2, Page: 79-92.	2002	PMID: 15981373
12	A comparative study of Prameha roga from the Brihatrayee	Baruah D., Gupta O.P.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 32, Issue: 2, Page: 93-108.	2002	PMID: 15981374
13	A literary review of Arsa (Haemorrhoids).	Swamy G.K., Swamy R.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2003, Volume: 33, Issue: 1, Page: 69-72.	2003	PMID: 17153796
14	Medico-historical study of Kilāsa (Vitiligo/ Leucoderma): A common skin disorder.	Prasad P.V.V., Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2003, Volume: 33, Issue: 2, Page: 113-128.	2003	PMID: 17154114





S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
15	Medico-historical study of Visūcikā (cholera).	Prasad P.V.V.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 1, Page: 1-19.	2005	PMID: 17333658
16	The medico historical perspective of Vitiligo (Śvitra).	Panda A.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 1, Page: 41-46.	2005	PMID: 17333661
17	Medico-historical study of Aśvatha (Sacred Fig Tree).	Prasad P.V.V., Subhaktha P.K.J.P., Narayana A., Rao M.M.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 1, Page: 1-20.	2006	PMID: 18175640
18	Vandhyatva – A medico historical study.	Babu G., Anitha Babu, Bhuyan G.C., Prasad G.P., Swamy G.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 1, Page: 83-96.	2006	PMID: 18175645
19	Palāśa ( <i>Butea Monosperma</i> (Lamk.) Taub) and its medico-historical study.	Prasad P.V.V., Subhaktha P.K.J.P., Narayana A., Rao M.M.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 2, Page: 117-128.	2006	PMID: 18175647
20	Udumbara ( <i>Ficus glomerata</i> Roxb.): A medico-historical review.	Subhaktha P.K.J.P., Rajasekaran R., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 1, Page: 29-44.	2007	PMID: 19569451
21	Medico-historical review of Nyagrodha ( <i>Ficus bengalensis</i> Linn.).	Subhose V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 2, Page: 167-178.	2007	PMID: 19580111
22	Musalī – A medico-historical review.	Venkateshwarlu B., Srikanth N., Rao M.M., Padhi M.M., Bhuvnesh Kumar Sharma, Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 1, Page: 55-70.	2008	-



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
23	Pārijāta – A medico historical review.	Babita Yadav, Suprabhat Bhardwaj, Rajesh Singh, Sarada Ota, Das B., Bhuyan G.C., Srikanth N., Padhi M.M.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 1, Page: 101-110.	2008	-
24	Jalodara (Ascites) – A historical review.	Subhaktha P.K.J.P., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 1, Page: 89-100.	2008	-
25	Medico historical review of Tila.	Subhose V., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 2, Page: 157-170.	2008	-
26	Sanctity and scientific legitimacy of cow and cow products w.s.r.- Āyurveda.	Prasad G.P., Venkata Ravi Krishna D.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 1, Page: 41-62.	2009	-
27	A critical review of Śilājī – Asphaltum punjabinum.	Murali Krishna C., Srinivasulu B., Nagamani D.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 1, Page: 13-24.	2010	-
28	Krimiroga: A medico-historical study.	Bhuvnesh Kumar Sharma, Anupama U., Tirumal Rao G., Narayana A.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 1, Page: 25-42.	2010	-
29	Guggulu: A medico-historical review.	Vedi S.K., Babita Yadav, Sandhya Rani K., Lavaniya V.K., Padhi M.M.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 2, Page: 161-172.	2010	-



### 3.1.7 Writings on history of medicine (area wise, period wise and theme wise).

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Glimpses of the art of medicine and medical aid in ancient South India.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 3, Page: 135 to 139.	1973	PMID: 1609250
2	Nasya karma in ancient times.	Anand R.M.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 3 - 4, Page: 151-157.	1974	-
3	Indian knowledge of blood circulation.	Sastry V.V.S.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 2, Page: 57-64.	1975	PMID: 11609899
4	Virechana karma in Indian literature.	Anand R.M., Gurjar G.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 1, Page: 37-41.	1976	PMID: 11610447
5	Development of Dravyaguna in India.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1978, Volume: 8, Issue: 1-4, Page: 1-7.	1978	PMID: 11613629
6	Contribution of Andhra to Ayurveda in Sanskrit.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1978, Volume: 8, Issue: 1-4, Page: 8-13.	1978	PMID: 11613638
7	Urine in ancient Ayurvedic literature.	Sarma C.R., Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 48-52.	1980	PMID: 11613678
8	Bath in Ayurveda, Yoga and Dharmashastra.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1982, Volume: 12, Issue: 1-4, Page: 13-21.	1982	PMID: 11611676
9	Historical significance of contraception.	Gopinath K., Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1985, Volume: 15, Issue: 1-2, Page: 19-46	1985	PMID: 11612087
10	Glimpses into the practice and principles of medicine in Buddhistic India in the 7 <sup>th</sup> Century A.D.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1987, Volume: 17, Issue: 2, Page: 155-167.	1987	PMID: 11621720



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
11	Origin and development of medical libraries with special reference to India (up to 18 C).	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1989, Volume: 19, Issue: 1, Page: 63-70.	1989	PMID: 11622340
12	A comparative study on concepts of circulation of blood.	Pandey V.N., Pandey A.	Ancient Science of Life, Year: 1990, Volume: 9, Issue: 4, Page: 178-184.	1990	PMID: 22557695
13	Ayurveda in the Eighteenth, Nineteenth Centuries.	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1990, Volume: 20, Issue: 2, Page: 151 to 162.	1990	PMID: 11612582
14	Some aspects of health care in Medieval India.	Rama Rao B.	Ancient Science of Life, Year: 1992, Volume: 11, Issue: 3-4, Page:137-142.	1992	PMID: 22556577
15	A brief history of Indian alchemy covering Pre-vedic to Vedic and Ayurvedic period (Circa 400 B.C.- 800 A.D.).	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1993, Volume: 23, Issue: 2, Page: 151-166.	1993	PMID: 11639486
16	A brief history of Ayurveda in Hyderabad.	Bhatnagar V.K., Hussain S.A., Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1994, Volume: 24, Issue: 1, Page: 63-75.	1994	PMID: 11609030
17	A brief history of Indian alchemy covering transitional and tantric periods (Circa 800 A.D. - 1300 A.D.).	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1996, Volume: 26, Issue: 1-2, Page: 11-38.	1996	PMID: 11619393
18	Gujjar Bakarwals –the eco-friendly tribals of Jammu and Kashmir since centuries.	Anil Kumar, Naresh Kumar.	Bulletin of the Indian Institute of History of Medicine, Year: 1998, Volume: 28, Issue: 2, Page: 139-145.	1998	PMID: 12596743
19	Sown a seed of Ayurveda in the Nizam dominion.	Venkata Rama Raju K., Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1998, Volume: 28, Issue: 2, Page: 147-150.	1998	PMID: 12596744
20	Religious practices in South India to cure diseases.	Alam M.M., Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1998, Volume: 28, Issue: 2, Page: 1-6.	1998	PMID: 12587569



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
21	Dawn of Ayurveda during the reign of Nizam VII of Hyderabad.	Venkata Rama Raju K., Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1998, Volume: 28, Issue: 2, Page: 67-84.	1998	PMID: 12596706
22	Screening of Madhumethaghna (anti diabetic) plants in Vrihatrayee.	Nanda G.C., Padhi M.M., Pathak N.N., Chopra K.K.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 1, Page: 15-26.	2000	PMID: 12578004
23	Ayurveda during Abbasid's period.	Hussain S.A., Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 1, Page: 27-34.	2000	PMID: 12578013
24	References concerning birth control methods in ancient Indian classics – An exposition.	Srikanth N.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 1, Page: 35-40.	2000	PMID: 12578014
25	Religious practices in North India to cure diseases.	Praveen Bansal, Acharya M.V., Sharma K.D., Veluchamy G.	Bulletin of the Indian Institute of History of Medicine, Year: 2001, Volume: 31, Issue: 1, Page: 25-30.	2001	-
26	Historical survey of wound healing.	Raakhee Mehra.	Bulletin of the Indian Institute of History of Medicine, Year: 2002, Volume: 32, Issue: 2, Page: 159-175.	2002	PMID: 15981379
27	Common herbs used in different skin disorders as described in Ayurvedic classics.	Singh O.R., Das B., Padhi M.M., Tewari N.S.	Ancient Science of Life, Year: 2003, Volume: 22, Issue: 3, Page: 88-94.	2003	PMID: 22557091
28	Evolution of Surgery Suśruta's innovative skills.	Narayana A., Subhose V.	Bulletin of the Indian Institute of History of Medicine, Year: 2004, Volume: 34, Issue: 1, Page: 17-39.	2004	PMID: 17152612
29	Suśruta's contribution to surgery with special reference to Plastic Surgery.	Narayana A., Subhose V.	Bulletin of the Indian Institute of History of Medicine, Year: 2004, Volume: 34, Issue: 2, Page: 121-136.	2004	-
30	History of Manuscriptology: Study of medical manuscripts.	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 1, Page: 61-76.	2005	PMID: 17333663



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
31	Geriatric health care - A historical perspective.	Narayana A., Saketh Ram T., Subhose V.	Journal of Research in Ayurveda and Siddha, Year: 2007, Volume: 28, Issue: 4, Page: 1-19.	2007	-
32	A historical perspective on the usage of perfumes and scented articles in ancient Indian literatures.	Prasad G.P., Pratap G.P., Neelima M., Satyanarayana Shastry P.	Ancient Science of Life, Year: 2008, Volume: 28, Issue: 2, Page: 33-39.	2008	PMID: 22557310
33	Concepts of contraception in Ancient India, status in present scenario.	Galib, Kar A.C., Rao M.M., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2008, Volume: 38, Issue: 1, Page: 79-88.	2008	-
34	Ancient Indian knowledge of Maternal and Child health care: A medico historical introspection of Āyurveda.	Bharathi K., Prasuna V.V.L., Narayana A.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 2, Page: 221-240.	2009	-
35	Transition of Ayurvedic education: hermitage to electronic age.	Narayana A., Saketh Ram T.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 2, Page: 139-160.	2010	-
36	History, evolution of Vājīkaraṇa – an Ancient Indian concept of Aphrodisia.	Prasad G.P., Narayana A.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 2, Page: 173-186.	2010	-
37	Tangible evidences of Surgical practice in Ancient India.	Narayana A., Saketh Ram T.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 1-18.	2011	-
38	Beauty aids and cosmetics in Ancient Indian literature.	Prasad G.P., Murali Krishna C., Bhuyan G.C., Narayana A., Babu G., Swamy G.K.	Journal of Ayurveda, Year: 2011, Volume: 5, Issue: 2, Page: 78-84.	2011	-
39	Performance Enhancing Drugs (PED) Vis-à-vis divine plants the reminiscent of Vedic age.	Saketh Ram T., Narayana A.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 31-55.	2011	-
40	Evolution of hospitals and hospital systems in Ancient India.	Bharathi K., Narayana A.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 57-71.	2011	-



### 3.1.8 Travelers' accounts on the development of medical science.

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Van Linschoten – a Dutch traveller of 16 <sup>th</sup> century on social conditions, drugs, diseases, physicians, and hospitals in India.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 1-2, Page: 31-43.	1971	PMID: 1609325
2	Medical gleanings from the earliest English travelers in India. (1580-1620 A.D.).	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 1, Page: 25-34.	1972	PMID: 11609256
3	Legends and observations on health & medicine among common people in ancient India- Gleanings from Chinese travelers in India (V & VI Centuries).	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 83-86.	1972	PMID: 1609264
4	Popular beliefs and practices relating-health & medicine in VII century – Gleanings from the accounts of Hiouen Thsang.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 87-93.	1972	PMID: 11609265
5	Gleanings from the travelogue of the traveller Nicholas Senn.	Subhaktha P.K.J.P.	Bulletin of the Indian Institute of History of Medicine, Year: 1999, Volume: 29, Issue: 1, Page: 71-81.	1999	PMID: 12585292

### 3.1.9 History of Āyurveda.

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Ancient Indian medicine - Philosophical and Ethical basis, Educational and Scientific methodology.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 3 -4, Page: 84-98.	1971	PMID: 11609337



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
2	Lord Dhanwantari in Indian literature.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 1, Page: 1-5.	1972	PMID: 11609253
3	Indigenous Systems of Medicine in India - Early history, literature and special features.	Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1984, Volume: 14, Issue: 1-4, Page: 1-13.	1984	PMID: 11611956
4	History of Ayurveda in Islami Tibb of Rehber Farooqui.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1992, Volume: 22, Issue: 2, Page: 135-142.	1992	PMID: 11612964

### 3.1.10 General articles on Āyurveda and related topics

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Qualities or effects of eating meals in vessels of different material or in different leaves.	Rama Rao B.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 3, Page: 122-125.	1973	PMID: 11609247
2	Apurva vaidya of Vagbhata.	Gurjar G.K., Anand R.M.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 4, Page: 207-210.	1975	PMID: 11613615
3	Need for a section of History of Medicine in the important Medical libraries of India.	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 1, Page: 63-67.	1976	PMID: 11610451
4	Genesis of the Charaka club, New York and gleanings related-Hindu medicine from the proceedings.	Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 4, Page: 240-258.	1976	PMID: 11610008
5	Water and Uṣaḥpāna in Ayurvedic literature.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 1-6.	1980	PMID: 11613673
6	Prelude to upgraded Department of History of Medicine, Hyderabad.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1982, Volume: 12, Issue: 1-4, Page: 92-99.	1982	PMID: 11611684
7	Historical outlook among medical practitioners in India.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1983, Volume: 13, Issue: 1-4, Page: 1-3.	1983	PMID: 11621151





S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
8	Importance of and difficulties in the study of Manuscripts.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1988, Volume: 18, Issue: 1, Page: 75-78.	1988	PMID: 11621919
9	Principles, methods and importance of Literary research in the history of Ayurveda.	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1991, Volume: 21, Issue: 2, Page: 149-158.	1991	PMID: 11612850
10	Some views based on the survey of Medical manuscripts and practitioners.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1992, Volume: 22, Issue: 1, Page: 11-17.	1992	PMID: 11612956
11	A rare report of Nizam Ayurvedic mobile clinic.	Hussain S.A., Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 2, Page: 155-161.	1997	PMID: 12572574
12	Rasayana therapy in classical literature of Ayurveda – A review.	Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1998, Volume: 28, Issue: 2, Page: 95-110.	1998	PMID: 12596736
13	The menace of free radicals its concept and management in Ayurveda.	Naresh Kumar, Anil Kumar.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 2, Page: 93-101.	2000	PMID: 12577899
14	Controversies in drug and industry its measures: A view point.	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 2003, Volume: 33, Issue: 1, Page: 1-16.	2003	PMID: 17153792
15	Influence of tantra on Āyurveda and Kāmasūtra.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 2004, Volume: 34, Issue: 1, Page: 41-49.	2004	PMID: 17152613
16	Standardization of Ayurvedic formulations: A scientific review.	Narayana A., Subhose V.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 1, Page: 21-32.	2005	PMID: 17333659
17	Basic principles of Pharmaceutical science in Ayurveda.	Subhose V., Srinivas P., Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 2, Page: 83-92.	2005	PMID: 17333665

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
18	Āyurvedic approach-Pathya (ideal diet planning) – an appraisal.	Sulochana Bhatt, Lavekar G.S.	Bulletin of the Indian Institute of History of Medicine, Year: 2005, Volume: 35, Issue: 2, Page: 147-156.	2005	PMID: 17333670
19	AYUSH Research Portal on Indian Systems of Medicine, Homoeopathy, Related Sciences Research – A need of hour.	Narayana A., Padhi M.M., Srikanth N., Venkateswarlu B., Rajasekaran R., Srinivasulu B., Vijay Kumar P., Prashanti Y.S.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 2, Page: 281-286.	2010	-
20	Ayurveda Encyclopedia – A ready reckoner on Ayurveda to modern world.	Narayana A., Bharathi K., Sridevi V., Bhuvnesh Kumar Sharma, Saketh Ram T., Swathi P., Vijay Kumar P., Shukla S.K., Mahesh K.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 173-182.	2011	-

### 3.1.11 Medical works in Āyurveda

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	List of medical manuscripts in Visakhapatnam & Kakinada.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1983, Volume: 13, Issue: 1-4, Page: 45-51.	1983	PMID: 11621156
2	Ayurvedic material in A.P.O.M.L. & R. Institute, Hyderabad.	Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1984, Volume: 14, Issue: 1-4, Page: 14-18.	1984	PMID: 11611957
3	List of medical manuscripts in two colleges in Pune.	Pandit Rao DV.	Bulletin of the Indian Institute of History of Medicine, Year: 1984, Volume: 14, Issue: 1-4, Page: 32-36.	1984	PMID: 11611959
4	List of medical manuscripts in seven institutes at Pune.	Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1989, Volume: 19, Issue: 2, Page: 137-151.	1989	-



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
5	A brief descriptive catalogue of Ayurvedic palm leaves manuscripts procured and preserved in the Indian Institute of History of Medicine.	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 1, Page: 85-86.	1997	PMID: 12575711
6	Medical manuscripts in Sri Venkateshwara University Oriental Research Institute, Tirupathi, A.P.	Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 1998, Volume: 28, Issue: 2, Page: 85-94.	1998	PMID: 12596707
7	A brief on Ayurvedic manuscripts preserved at Utkal University, Bhubaneswar.	Padhi M.M., Das B., Srikanth N., Pathak N.N., Chopra K.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1999, Volume: 29, Issue: 2, Page: 159-164.	1999	PMID: 12587567

### 3.2 Medico-historical studies in Unāni

#### 3.2.1 Search and collection of information, editing and publication of rare medical manuscripts/ books.

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Meezan-Ut-Teba-A-Qutub-Shahi: (Account of a Persian medical manuscript).	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 1- 2, Page: 29-30.	1971	-
2	Shifa -Ul-Khani: (Account of Persian medical manuscript).	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 1-2, Page: 27-28.	1971	-
3	Tibb-a-Giyasia – Unani manuscript on Hygiene.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 3 - 4, Page: 120-121.	1971	PMID: 11609335
4	Mujerreat-a-Jemali – Unani manuscript on therapeutics.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 3 - 4, Page: 122-126.	1971	-



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
5	Zad-a-Gereeb (A short note).	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 1, Page: 23-24.	1972	-
6	Tohofetul-Mulook (A gift for the kings).	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 3, Page: 130-131.	1972	PMID: 11609646
7	Mayarul – Atibba (A standard (book) for the physicians).	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 3, Page: 132-138.	1972	PMID: 11609647
8	Tahqeeq-Ul-Buhran.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 4, Page: 214-216.	1972	PMID: 11609244
9	Muheet-A-Azam (a great Unani Pharmacopeia) - A short note on the author and the book.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 1, Page: 19-26.	1974	PMID: 11610703
10	Cosmetics according to Avicenna.	Mehdi Bano, Md. Iqbal Ali M.	Bulletin of the Indian Institute of History of Medicine, Year: 1981, Volume: 11, Issue: 1-4, Page: 110-117.	1981	PMID: 11616385
11	Ilajul Atfal- A treatise on Pediatrics by Fezl-e-Ali-Shifa-e-e Khan.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1982, Volume: 12, Issue: 1-4, Page: 45-50.	1982	PMID: 11611680
12	A note on Mualejat-e-Nebevi.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1989, Volume: 19, Issue: 1, Page: 33-38.	1989	PMID: 11622336
13	Zakhira-e-Nizam Shahi: A medical manuscript of Nizam Shahi period.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1993, Volume: 23, Issue: 1, Page: 59-65.	1993	PMID: 11639384
14	Moalejat-E-Hindi.	Hussain S.A., Momin Ali.	Bulletin of the Indian Institute of History of Medicine, Year: 1995, Volume: 25, Issue: 1-2, Page: 195-201.	1995	PMID: 11618837



### 3.2.2 Biographical studies and articles on authors/compilers/ redactors/ commentators and physicians of Classical treatises.

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Hakim Ahamdullah Khan Bahadur Maliku l-Hukama.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 4, Page: 217-218.	1972	-
2	Brief biographies of eminent Unani hekeems of India based on Nuz-Hatul-Khwatir (Pleasure of Hearts) by Allama-Abdul-Hayy.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 1, Page: 24-34.	1973	-
3	Brief biographies of eminent Unani hekeems of India based on Nuz-Hatul-Khwatir (Pleasure of Hearts) by Allama-Abdul-Hayy.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 1, Page: 27-31.	1974	PMID: 11610704
4	Brief biographies of eminent Unani hekeems of India based on Nuz-Hatul-Khwatir (Pleasure of Hearts) by Allama-Abdul-Hayy.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 3 - 4, Page: 163-170.	1974	-
5	Brief biographies of eminent Unani hekeems of India based on Nuz-Hatul-Khwatir (Pleasure of Hearts) by Allama-Abdul-Hayy.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 1, Page: 11-18.	1975	PMID: 11609886
6	Biography of an eminent Unani hakeem called Abu Sayeed Sinan Bin Sabit Bin Qurra.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 2, Page: 69-73.	1975	PMID: 11609901
7	Bukhrat (Hippocrates) - the most famous physician of Yunan (Greece).	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 3, Page: 129-142.	1975	PMID: 11616381
8	Jalinoos (Galen)-the famous physician of Yunan (Greece).	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 4, Page: 211-224.	1975	PMID: 11613616



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
9	Brief biographies of eminent Unani hekeems of India based on Nuz-Hatul-Khwatir (Pleasure of Hearts) by Allama-Abdul-Hayy.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 2, Page:120-127.	1976	PMID: 11610478
10	Brief biographies of eminent Unani hekeems of India based on Nuz-Hatul-Khwatir (Pleasure of Hearts) by Allama-Abdul-Hayy.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 3, Page:183-191.	1976	PMID: 11609965
11	Biographies of Unani physicians found in Al-Hawi of Rhazes.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 1-2, Page: 38-40.	1977	PMID: 11610467
12	Biography of the Unani physician Arestu.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1978, Volume: 8, Issue: 1-4, Page:26-31.	1978	PMID: 11613632
13	Hakim Nizamuddin Ahmed Geelani, a physician of Qutub Shahi period.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1979, Volume: 9, Issue: 1-4, Page: 67-73.	1979	PMID: 11613650
14	Physicians of Hyderabad during Nizam II, III.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 40-47.	1980	PMID: 11613677
15	Unani physicians in Hyderabad state during Nizam IV, V and VI.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1983, Volume: 13, Issue: 1-4, Page: 16-33.	1983	PMID: 11621152
16	Physicians of Hyderabad during Nizam IV, V, VI.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1985, Volume: 15, Issue: 1-2, Page: 58-72.	1985	PMID: 11612089
17	Abul Fatah – A commentator of Al-Qannon.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1996, Volume: 26, Issue: 1-2, Page: 65-68.	1996	PMID: 11619398



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
18	Hakeem Ali Gilani – a commentator of Canon of Avicenna.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 1, Page: 47-52.	1997	PMID: 12575701
19	Alauddin Qarshi, a commentator of many classical treatises.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 2, Page: 111-116.	2000	PMID: 12577988

### 3.2.3 Translation of selected passages from ancient medical classics.

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Al-Hawi: (Liber Continens) of Ar-Razi, Abu Bakr Muhammed Bin Zakariyya. Synopsis of the eleventh and twelfth volumes.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 1-2, Page: 17-26.	1971	PMID: 11609324
2	English translation of Maden-ush-Shifa.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 3 - 4, Page: 127-134.	1971	-
3	Maden-ush-Shifa Tibbe Sikender Shahi (translation from Persain).	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 1, Page: 17-22.	1972	-
4	Zia-ul-Uyoon. A treatise on Ophthalmology by Aynul-Mulk Sheerazi of Akbar's court.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 71-73.	1972	PMID: 11609261
5	Zad-a-Gereeb. Translation into English from Persian.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 74 to 76.	1972	PMID: 11609262
6	Yusrul Ilaj (A Persian medical manuscript compiled in India by Hakeem Hida-etullah in 1731 A. D.).	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 3, Page: 126 to 131.	1973	PMID: 11609248
7	Yusrul Ilaj (A Persian medical manuscript compiled in India by Hakeem Hidaetullah, in 1731 A.D.).	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 4, Page: 201 to 206.	1973	PMID: 11613628



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
8	Al-Hawi (Liber Continens) of Ar-Razi, Abu. Bakr Muhammed Bin Zakariya.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 2, Page: 86 to 92.	1974	-
9	Al-Hawi (Liber Continens) of Ar-Razi, Abu Bakr Muhammed Bin Zakariya.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 3 - 4, Page: 158 to 162.	1974	-
10	Al-Hawi(Liber continens) of Ar-Razi, Abu Bakr Muhammed Bin Zakariya.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 4, Page: 233-239.	1976	PMID: 11610007
11	Al-Hawi (Liber Continens) of Ar-Razi, Abu Bakr Muhammed bin Zakariya-Synopsis of the fourteenth volume – Part-II.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 2, Page: 131-137.	1977	PMID: 11610486
12	Medicine in North India (from Islami Tibb) of Rehber Farooqui.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1984, Volume: 14, Issue: 1-4, Page: 37-52.	1984	PMID: 11611960
13	Medicine in North India (from Islami Tibb) of Rehber Farooqui.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1985, Volume: 15, Issue: 1-2, Page: 73-88.	1985	PMID: 11612090
14	Medicine in North India (from Islami Tibb) of Rehber Farooqui.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1986, Volume: 16, Issue: 1& 2 , Page: 31-52.	1986	PMID: 116 12420
15	Translation of the twelfth chapter of Uyoonul Anba Fi Tabaqatil Atibba.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 2001, Volume: 31, Issue: 1, Page: 93-97.	2001	PMID: 15025131
16	Moalejat-E-Hnidi: A compilation of Ayurvedic formulations tested by Nizam – III of Hyderabad (translation from Persain to English.	Hussain S.A., Prasad P.V.V., Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 2003, Volume: 33, Issue: 1, Page: 93-112.	2003	PMID: 17153797





S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
17	Ilaj Al-Atfal of Syed Fazl Ali Shifai Khan (Part I, Chapter 01-08).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 1, Page: 103-133.	2010	-
18	Ilaj Al-Atfal of Syed Fazl Ali Shifai Khan (Part II, Chapter 09-40).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 2, Page: 229-261.	2010	-
19	Ilaj Al-atfal of Syed Fazl Ali Shifai Khan (Part III, Chapter 41-56).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 121-152.	2011	-
20	Ilaj Al-Atfal of Syed Fazl Ali Shifai Khan (Part IV, Chapter 56-70).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 249 -283.	2011	-

### 3.2.5 Collection/ compilation of medical information from non-medical literature (Holy Quran etc.).

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	A review of medical information from Islamic scriptures (Holy Quran and Ahadith).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 285-314.	2011	-

### 3.2.6 Medico-historical papers on drugs/diseases

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Evolution of drug: a historical perspective.	Abdul Wadud, Prasad P.V.V., Rao M.M., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 1, Page: 69-80.	2007	PMID: 19569453
2	Manna: a holistic food substance and a drug.	Abdul Wadud, Subhaktha P.K.J.P., Saketh Ram T., Narayana A.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 2, Page: 153-170.	2009	-
3	Amraz Kabid (Hepatic disorders) in classic literature of Unani system of medicine (Part I).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 1, Page: 73-102.	2010	-

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
4	Adaptogenic and nootropic drug 'Maa-uz-zahab (Unani gold preparation): a medico historical Review.	Ashfaque Ahmad, Narayana A.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 2, Page: 191-202.	2010	-
5	Amraz Kabid (Hepatic disorders) in classic literature of Unani system of medicine (Part II).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 2, Page: 203-227.	2010	-
6	Description of urine (bawl) in classical Unani literature, analysis and diagnosis- A review.	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 153-171.	2011	-
7	Amraz Kabid (Hepatic disorders) in classic literature of Unani system of medicine (Part IV).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 221-247.	2011	-
8	Amraz Kabid (Hepatic disorders) in classic literature of Unani system of medicine (Part III).	Ashfaque Ahmad.	Journal of Indian Medical Heritage, Year: 2011, Volume: 41, Issue: 1, Page: 93-120.	2011	-

### 3.2.7 Writings on history of medicine (area wise, period wise and theme wise).

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Establishment of Unani hospitals in Islamic countries.	Azeez Pasha M.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 2, Page: 68 to 70.	1973	PMID: 11609673
2	Arabian physicians and medical sciences.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 1, Page:42-49.	1976	PMID: 11610448
3	Some saint physicians of Deccan.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 2, Page:117-119.	1976	PMID: 11610477
4	Unani medicine during Nizam dynasty.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 2, Page: 154-160.	1977	PMID: 11610489



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
5	Medicine under the Royal patronage of Asafia kings.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1988, Volume: 18, Issue: 2, Page: 91-107.	1988	PMID: 11622584
6	Medicine under the Royal patronage of Asafia kings.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1990, Volume: 20, Issue: 2, Page: 141-150.	1990	PMID: 11612581
7	Medicine under the Royal patronage of Asafia kings.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1991, Volume: 21, Issue: 2, Page: 133-148.	1991	PMID: 11612849
8	Historical perspectives of Unani medicine with reference to Muslim reigns in India.	Narayana A., Lavekar G.S., Subhose V.	Bulletin of the Indian Institute of History of Medicine, Year: 2004, Volume: 34, Issue: 2, Page: 147-168.	2004	-

### 3.2.8 Medical works in Unani

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Descriptive catalogue of Arabic manuscripts preserved in the Indian Institute of History of Medicine.	Azeez Pasha M.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 2, Page: 74- 79.	1975	PMID: 11609902
2	A list of Unani medical printed books in Arabic language preserved in different libraries of Hyderabad.	Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 2, Page: 144-153.	1977	PMID: 11610488
3	Medical manuscripts of Qutub shahi period in the libraries of Hyderabad.	Momin Ali, Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1989, Volume: 19, Issue: 2, Page: 129-135.	1989	PMID: 11622415
4	Medical manuscripts of Qutub Shahi period in the libraries of Hyderabad-Part II.	Momin Ali, Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1990, Volume: 20, Issue: 1, Page: 51-63.	1990	PMID: 11612575

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
5	Medical manuscripts of Qutub Shahi period in the libraries of Hyderabad.	Momin Ali, Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1991, Volume: 21, Issue: 1, Page: 65-72.	1991	PMID: 11612857
6	Medical manuscripts of Qutub Shahi period in the libraries of Hyderabad, Part –IV.	Momin Ali, Hussain S.A.	Bulletin of the Indian Institute of History of Medicine, Year: 1992, Volume: 22, Issue: 1, Page: 41-51.	1992	PMID: 11612857

### 3.3 Medico-historical studies in Siddha

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	A short note on history of Siddha Medicine.	Gurusironmani P.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 78-79.	1972	-
2	Basic principles of Siddha Medicine.	Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 80-82.	1972	-
3	What constitutes a good physician?	-	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 3, Page: 139-140.	1972	-
4	Health, disease, physician and medicine in Thirukkural.	Subba Reddy D.V., Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 3, Page: 141-149.	1972	PMID: 11609648
5	150 year old bibliography of Siddha medical literature.	-	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 3, Page: 150-155.	1972	PMID: 11609649
6	Siddha medical works attributed to Tiruvalluvar.	Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 4, Page: 219-to 221.	1972	PMID: 11609245
7	An introduction to the medical bibliography of Siddha system of medicine.	Subba Reddy D.V., Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 1, Page: 35- 39.	1973	-



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
8	Agathiyar (An extract from “the Tamil Plu-tarch”).	-	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 1, Page: 40-42.	1973	-
9	Printed medical works attributed to Agathiyar.	Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 1, Page: 43-44.	1973	-
10	Advice on Family Planning in old Tamil Medical Manuscripts.	Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 1, Page: 45.	1973	-
11	Siddhars – their attainments and their role in Medicine (extract from cyclopaediac dictionary).	-	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 2, Page: 71-72.	1973	PMID: 1609674
12	Works on Medicine by Siddhars.	Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 2, Page: 73-75.	1973	-
13	Printed works on Medicine by Siddhars.	Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 3, Page: 132-134.	1973	PMID: 1609249
14	Tamil medical manuscripts in Oriental Research Institute, S.V. University, Tirupathi.	Palanichamy K.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 4, Page: 173-181.	1973	PMID: 1613624
15	History of Siddha medicine: need for further detailed studies.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 4, Page: 182-185.	1973	PMID: 116A13625
16	Siddha medicine and manuscript literature.	Palanichamy K.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 2, Page: 93-95.	1974	-
17	An examination of the names or the authors and titles of Siddha manuscripts.	Palanichamy K., Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 2, Page: 96-101.	1974	-



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
18	The life sketch of Veerama Muniver (Rev. Beschi) and his Siddha works.	Thiyagarajan R., Palanichamy K.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 3 & 4, Page: 171-175.	1974	-
19	A chronological probe into Siddha system.	Gurusironmani P.	Bulletin of the Indian Institute of History of Medicine, Year: 1983, Volume: 13, Issue: 1-4, Page: 34-37.	1983	PMID: 11621153
20	Humoral classification of diseases in Siddha System of Medicine.	Anandan T., Veluchamy G.	Bulletin of the Indian Institute of History of Medicine, Year: 1995, Volume: 25, Issue: 1-2, Page: 121-128.	1995	PMID: 11618831
21	Yugi's Pramegam and Diabetes Mellitus – An analogue.	Rajalakshmi S., Veluchamy G.	Bulletin of the Indian Institute of History of Medicine, Year: 1999, Volume: 29, Issue: 1, Page: 83-87.	1999	PMID: 12585294
22	Kaya kalpa methods adopted by Siddhars – A scientific approach.	Rajalakshmi S., Veluchamy G.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 2, Page: 103-110.	2000	PMID: 12577909
23	Thirumollar – Pioneer of the Immunology concept.	Rajasekaran R., Narayana A.	Bulletin of the Indian Institute of History of Medicine, Year: 2006, Volume: 36, Issue: 2, Page: 129-144.	2006	PMID: 18175648
24	Śaṅkamuni Viṣa Vaithiyam 100 – Book Review.	Rajasekaran R., Rajendra Kumar A., Suresh K., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 1, Page: 63-68.	2007	-
25	The roots of Siddha System of Medicine in 'Thiruvassagam' (An Evidence based literary study).	Rajasekaran R., Gomathi A., Kannan M., Narayana A.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 1, Page: 63-80.	2009	-
26	Tracks of Siddha Medicine in Andhra Pradesh.	Narayana A., Saketh Ram T., Rajasekaran R.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 1, Page: 81-102.	2009	-



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
27	Medico historical study of a Siddha drug Vilvam.	Rajasekaran R., Gomathi A., Narayana A.	Journal of Indian Medical Heritage, Year: 2009, Volume: 39, Issue: 2, Page: 171-190.D5	2009	-
28	Hirudo-therapy in the past and its future potential.	Eugene Wilson, Rajasekaran R., Narayana A.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 1, Page: 49-72.	2010	-

### 3.4. Medico-historical studies in Homoeopathy

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Hahnemann and the seeds of Homeopathy.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 3, Page: 143-145.	1973	-
2	Dr. Mahendra Lal Sircar - the first eminent Allopath.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 1, Page: 32-47.	1974	PMID: 11610705
3	Reflections from the life of Dr. Karl Julius Aegidi-the founder of the first Paediatric Homoeopathy hospital.	Nand Raj, Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 1-2, Page: 45-50.	1977	PMID: 11610469
4	Edward Bach- A Medico-historical study of his contributions to Homoeopathy.	Nand Raj, Raghunathan K.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 1-2, Page: 51-57.	1977	PMID: 11610471
5	Hahnemann's knowledge of Bacteriology.	Nand Raj.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 2, Page: 161-163.	1977	PMID: 11610490
6	The medium system of Honigberger.	Nand Raj.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 2, Page: 164-168.	1977	PMID: 11610491
7	The Homoeopathic treatment of cholera – A historical study.	Nand Raj.	Bulletin of the Indian Institute of History of Medicine, Year: 1978, Volume: 8, Issue: 1-4, Page:39-43.	1978	PMID: 11613634



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
8	Human experimentation of drugs.	Nand Raj.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 53-61.	1980	PMID: 11613679

### 3.5 Medico-historical studies in Yoga & Naturopathy

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	A note on Kriya yoga.	Venkata Reddy M., Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 69-75.	1980	PMID: 11613681
2	A note on Gorakṣanātha and his work Yogadīpikā.	Rama Rao B., Venkata Reddy M.,	Bulletin of the Indian Institute of History of Medicine, Year: 1982, Volume: 12, Issue: 1-4, Page: 34-38.	1982	PMID: 11611679
3	Influence of Nāthayogis on Telugu literature.	Venkata Reddy M., Rama Rao B.	Bulletin of the Indian Institute of History of Medicine, Year: 1983, Volume: 13, Issue: 1-4, Page: 4-15.	1983	PMID: 11621155

### 3.6 Medico-historical studies in Modern Medicine

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Indian goddesses of epidemic diseases.	Ramana Rao V.V.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 1-2, Page: 44-48.	1971	PMID: 11609326
2	John Forbes Royle, Botanist, Medical historian, Teacher and Benefactor of British Empire.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 2, Page: 79-87.	1973	PMID: 11609676
3	Charles Curtis on Diseases of India in the fleet and in the Naval hospital at Madras in 1782 and 1783.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 3-4, Page: 193-207.	1974	-
4	Prof. Henry E. Sigerist, Medical humanist Visionary and friend of India.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 1, Page: 25-34.	1975	PMID: 11609888





S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
5	Health hazards, diseases, hospitals, Physicians in East Indies and Ceylon, in XVII century. Based on travels of Christopher Schweitzer.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 2, Page: 80-91.	1975	PMID: 11609903
6	Wilhem Ten Rhyne (Rhijne) and his treatise on Asiatic Leprosy- A medical classic by a Dutch physician in Java in the last quarter of 17 <sup>th</sup> century.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 3, Page: 150-161.	1975	PMID: 11616383
7	In memorium Dr. Douglas Guthire.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 1, Page:58-62.	1976	PMID: 11610450
8	XXV International Congress of the History of Medicine; participating institutions and delegates--impressions, reflections and suggestions.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 6, Issue: 1-2, Page:72-85.	1977	PMID: 11610473
9	History of Medicine in India: Value of history of Medicine in Medical Education.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1980, Volume: 10, Issue: 1-4, Page: 90-110.	1980	PMID: 11613685
10	History of Anaesthesia, Hyderabad Chloroform Commissions.	Momin Ali, Ramachari A.	Bulletin of the Indian Institute of History of Medicine, Year: 1989, Volume: 19, Issue: 1, Page: 47-61.	1989	PMID: 11622339
11	One hundred fifty years of Osmania Medical College (1846-1996).	Momin Ali, Ramachari A.,	Bulletin of the Indian Institute of History of Medicine, Year: 1996, Volume: 26, Issue: 1-2, Page: 119-141.	1996	PMID: 11619394
12	Dr. Rupa Bai Furdoonji: first lady anesthetist.	Ramachari A., Momin Ali, Narayana A., Bhatnagar V.K.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 2, Page: 199.	2007	-



S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
13	Dr. (Miss) Rupa Bai Furdoonji: World's first qualified lady anaesthetist.	Narayana A., Bharathi K., Subhaktha P.K.J.P., Manohar G., Ramachari A.	Indian Journal of Anaesthesia, Year: 2010, Volume: 54, Issue: 3, Page: 259-261.	2010	PMID: 20885878

### 3.7 Medico-historical studies by Early European medical writers on Indian drugs and diseases

S. No.	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Dutch writings of 16 <sup>th</sup> century on Indian Drugs.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1971, Volume: 1, Issue: 3-4, Page: 135 -140.	1971	-
2	Dr. Whitelaw Ainslie and his contributions to Materia medica and history of medicine in India	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 1, Page: 35-51.	1972	-
3	A forgotten chapter in the history of Syphilis in India in XVI Century.	Subba Reddy D.V.	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 2, Page: 94-97.	1972	PMID: 11609266
4	Spread of knowledge of Indian herb; and drugs in Europe in XVI Century.	Subba Reddy D.V.	Bulletin of the Indian Institute of History of Medicine, Year: 1974, Volume: 4, Issue: 2, Page: 102-116.	1974	-

### 3.8 Compilation of bibliographic indexes

S. No	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
1	Select articles on Medical history of India (1969-71).	-	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 1, Page: 57-60.	1972	-
2	Select articles on Medical history of India (1971-72).	-	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 3, Page: 172-174.	1972	-
3	Select articles on Medical history of India (1972).	-	Bulletin of the Institute of History of Medicine, Year: 1972, Volume: 2, Issue: 4, Page: 234.	1972	-



S. No	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
4	Select articles on Medical history in journals of Indian Systems of Medicine (1972-73).	-	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 2, Page: 99-100.	1973	PMID: 11609677
5	Select articles on Medical history of India (1973).	-	Bulletin of the Institute of History of Medicine, Year: 1973, Volume: 3, Issue: 4, Page: 221.	1973	-
6	Recent Indian medical historiography: Bibliography for 1971.	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 1, Page: 43-56.	1975	PMID: 11609889
7	Abstracts of select medico-historical articles in Hindi.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 2, Page: 102-113.	1975	PMID: 11609898
8	Recent Indian medical historiography: Bibliography for 1972.	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 3, Page: 179-192.	1975	-
9	Abstracts of select medico-historical articles in Hindi.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 4, Page: 249-252.	1975	PMID: 11613618
10	Recent Indian medical historiography: Bibliography for 1973.	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1975, Volume: 5, Issue: 4, Page: 253-268.	1975	PMID: 11613619
11	Recent Indian medical historiography: Bibliography for 1974.	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1976, Volume: 6, Issue: 3, Page: 200-218.	1976	PMID: 11609966
12	Abstracts of medico-historical articles in Hindi journals.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 1,2, Page: 93-98.	1977	PMID: 11610474
13	Indian medical historiography: Bibliography for 1965.	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 1,2, Page: 99-112.	1977	PMID: 11610475
14	Abstracts of medico-historical articles in Hindi journals.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1977, Volume: 7, Issue: 2, Page: 217-222.	1977	-



S. No	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
15	Abstracts of medico-historical articles in Hindi journals.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1978, Volume: 8, Issue: 1-4, Page: 51-62.	1978	PMID: 11613636
16	Recent Indian medical historiography: Bibliography for 1975.	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1978, Volume: 8, Issue: 1-4, Page: 63-87.	1978	PMID: 11613637
17	Abstracts of medico-historical articles in Hindi journals.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1979, Volume: 9, Issue: 1-4, Page: 128-140.	1979	PMID: 11613642
18	Abstracts of medico-historical articles in Hindi journals.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1982, Volume: 12, Issue: 1-4, Page: 51-65.	1982	PMID: 11611681
19	Abstracts of medico-historical articles in Hindi journals.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1983, Volume: 13, Issue: 1-4, Page: 76-90.	1983	PMID: 11621158
20	Abstracts of medico historical articles in Hindi journals.	Jopat P.D.	Bulletin of the Indian Institute of History of Medicine, Year: 1985, Volume: 15, Issue: 1-2, Page: 100-135.	1985	PMID: 11612086
21	Bibliography of articles in Bulletin of Department of History of Medicine (1963-1965), Bulletin of Institute of History of Medicine (1971-1973), Bulletin of Indian Institute of History of Medicine (1974-1985).	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1986, Volume: 16, Issue: 1, 2, Page: 79-145.	1986	PMID: 11612421
22	Abstracts of medico-historical articles in Hindi journals.	Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1987, Volume: 17, Issue: 1, Page: 69-76.	1987	PMID: 11621584
23	Abstracts of medico-historical articles in Hindi journals.	Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1988, Volume: 18, Issue: 2, Page: 135-142.	1988	PMID: 11622582



S. No	Title	Author (s)	Publication details (Journal/ Book)	Year	PUBMED ID
24	Selected articles on medical history from Hindi journals, 1984-1989.	Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1990, Volume: 20, Issue: 1, Page: 65-68.	1990	PMID: 11612576
25	Bibliography of the articles in Bulletin of the Indian Institute of History of Medicine (1986-89).	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1990, Volume: 20, Issue: 1, Page: 69-79.	1990	PMID: 11612577
26	Bibliography of the articles in Bulletin of the Indian Institute of History of Medicine (1990-1993).	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1994, Volume: 24, Issue: 1, Page: 77-95.	1994	-
27	Bibliography of the articles in Bulletin of the Indian Institute of History of Medicine (1994-1996).	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 1997, Volume: 27, Issue: 1, Page: 87-102.	1997	PMID: 12575713
28	Selected articles on medical history from Hindi journals.	Bhatnagar V.K.	Bulletin of the Indian Institute of History of Medicine, Year: 1999, Volume: 29, Issue: 1, Page: 89-92.	1999	PMID: 12585295
29	Bibliography of the articles published in the Bulletin of the Indian Institute of History of Medicine (1997-1999).	Govind Reddy C.	Bulletin of the Indian Institute of History of Medicine, Year: 2000, Volume: 30, Issue: 1, Page: 69-82.	2000	-
30	Bibliography of the articles published in the Bulletin of the Indian Institute of History of Medicine (2000-2005).	Srinivasa Rao K., Rao M.M., Narayana A.	Journal of Indian Institute of History of Medicine, Year: 2007, Volume: 37, Issue: 2, Page: 179-198.	2007	-
31	Bibliography of the articles published in the Bulletin/Journal of the Indian Institute of History of Medicine/ Journal of the Indian Medical Heritage (2006-2009).	Srinivasa Rao K., Saketh Ram T., Narayana A.	Journal of Indian Medical Heritage, Year: 2010, Volume: 40, Issue: 2, Page: 263-280.	2010	-



## CHAPTER 4

### RESEARCH PROJECTS

Literary Research is one among the priority areas of research of Central Council for Research in Ayurvedic Sciences (CCRAS) since from its inception. The main objectives of Literary research program are:

1. To revive and retrieve manuscripts and rare books of AYUSH Systems of medicine.
2. To survey, collect, edit and publish medical manuscripts and rare books.
3. Medico-historical investigations in Āyurveda.
4. Documentation of health related information from non-medical literature and from epigraphical and archaeological evidences.
5. To prepare comprehensive monographs on diseases, drugs and fundamental concepts of AYUSH Systems.
6. Project writings on history of medical systems of AYUSH, Biomedicine and other Traditional and Complementary Medicine (TCM) practiced elsewhere in India.

A well designed research plan duly reviewed and approved by the subject experts/ Scientific Advisory Group (SAG), its proper execution and periodical monitoring are very much essential to get the expected outcome in a fixed time line of any research project. The Intramural Research (IMR) scheme of CCRAS is one such scheme which allows the systematic approach in evaluating the project since from the approval to its completion and publication. The constant evaluation and monitoring of projects yielded quality research outcome and better applied value. Several literary research projects sponsored under Extramural research scheme of Ministry of AYUSH, Collaborative Projects and CCRAS-Intramural research scheme etc., are being carried out at CCRAS Headquarter, New Delhi and at its designated peripheral institutes viz., National Institute of Indian Medical Heritage (NIIMH), Hyderabad; Regional Ayurveda Research Institute for Metabolic Disorders (RARIMD), Bengaluru; National Ayurveda Research Institute for Panchakarma (NARIP), Cheruthuruthy; National Research Institute for Sowa-Rigpa (NRIS), Leh and other select institutes. The research results and published outcome of these projects are well received and widely referred by academic and scientific groups of AYUSH Systems of Medicine, Sanskrit, Indology and Medical history.

The projects carried out at CCRAS under Literary Research and Documentation program can be broadly categorized as follows:

1. Extramural Research Projects (EMRs) supported by Ministry of AYUSH.
2. Project (s) supported by WHO-India Office.
3. Intramural Research Projects
4. Collaborative Research Projects.

The different research projects carried out by Council are detailed here under.



#### 4.1 Research projects supported by Ministry of AYUSH under Extramural Research (EMR) Scheme:

<b>4.1.1 Survey, cataloguing and digitized inventory of medical manuscripts in Eastern India (Orissa, West Bengal and Bihar).</b>	
Objective(s)	: 1. To collect information and to prepare a descriptive catalogue on maximum number of medical manuscripts available at selected parts of Eastern India which are in the possession of libraries, academic institutions, museums, temples, monasteries etc. 2. To prepare digital library on medical manuscripts. 3. Publication of certain unpublished Ayurveda manuscripts. 4. To prepare a platform for future publication of important / unpublished medical manuscripts. 5. To establish a new idea in the society through Ayurvedic medicine and linking up between old and new technology.
Duration	: 3 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	: Book.
Participating Institute(s) with Principal Investigator	: Dr. Padhi M.M., Deputy Director General, CCRAS, New Delhi.
Date of Sanction/Initiation	: 2008.
Summary	: A project titled “Survey, cataloguing and digitized inventory of medical manuscript of Eastern India (Odisha, West Bengal and Bihar)” was successfully executed by CCRAS at CCRAS Hqrs, New Delhi under the Acquisition, Cataloging, Digitization and Publication of Text Book & Manuscripts (ACDP)scheme of the then Department of AYUSH and was completed in April 2011.  Under this project, 3510 manuscripts/ rare books are catalogued. Of which, 1697 manuscripts/ rare books are digitized which includes 810 from Odisha, 682 from West Bengal and 187 from Bihar. The outcome of the project is published in three volumes and another 11 volumes are ready for publication.
Remarks, if any	: -
Status	: Work published in three volumes (2010 & 2011).



<b>4.1.2 Collection and digitization of medical manuscripts from South India, Maharashtra and Madhya Pradesh.</b>	
Objective(s)	: 1. To develop centralized digital medical manuscripts repository at NIIMH, Hyderabad by either collecting medical manuscripts or by digitizing medical manuscripts or collecting digitized copies of medical manuscripts from South India, Maharashtra and Madhya Pradesh. 2. To prepare a catalogue with metadata of medical manuscripts.
Duration	: 3 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	: Book.
Participating Institute(s) with Principal Investigator	: Dr. Narayana A., Director, National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	: 31-05-2008.
Summary	: Under this project, total 5416 (2704 medical manuscripts, 1132 rare medical books and 1580 rare medical journals/ periodicals) are digitized from 41 sources which include manuscript repositories, Government Ayurvedic colleges, libraries and individual collections from South India, Maharashtra and Madhya Pradesh.  The digitized collections include works on Ayurveda (2722), Siddha (635), Unani (595), Naturopathy (1086), Yoga (57), Homoeopathy (114) and others (207).  Descriptive catalogue of 2704 medical manuscripts and 1132 rare medical books prepared covering technical, textual, physical, catalogue, publication, information details along with a brief description of manuscripts in 44 fields and rare books in 18 fields.
Remarks if any	: -
Status	: Work published in two volumes (2013).

<b>4.1.3 Ayurveda Encyclopedia.</b>	
Objective(s)	: To prepare a comprehensive data on Ayurvedic technical terminology by extensive compilation, translation (in Hindi and English) along with authentic references.
Duration	: 3 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	: Book and e book.
Participating Institute(s) with Principal Investigator	: Dr. Narayana A., Director, National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/Initiation	: 21-08-2008.





Summary	:	<p>Ayurveda Encyclopedia is an extensive compilation of Ayurvedic terminology from <i>Bṛhatrayī</i>, <i>Laghutrayī</i> with their commentaries, <i>Nighaṇṭu</i> and other works in Ayurveda.</p> <p>Information on 3000 Ayurveda technical terms are presented under 10 fields i.e., <i>anta</i> (end alphabet), <i>liṅga</i> (gender), <i>niṣpatti</i> (<i>dhātu</i> derivation), <i>vyutpatti</i> (derivation), <i>nirukti</i> (etymological derivation), <i>paribhāṣā</i> (definition), <i>vyākhyā</i> (explanation), <i>paryāya</i> (synonyms), <i>vivithārtha</i> (various meanings) and <i>nibandha</i> (brief notes) along with references from more than 100 books/ works.</p> <p>Ayurveda Encyclopedia provides through knowledge on correct usage of the Ayurveda terminology along with authentic references.</p>
Remarks if any	:	-
Status	:	Work published in print version in three parts and-e book form (2013).

## 4.2 Project (s) supported by WHO-India Office:

<b>4.2.1 Evidence-based of Ayurvedic remedies/ therapies based on research work done for general practitioners.</b>		
Objective(s)	:	To document evidence based studies carried out in select diseases/ conditions.
Duration	:	January- April 2011.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Narayana A., Director, National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	15-01-2011.
Summary	:	A document prepared based on evidence based studies on Ayurvedic remedies/ therapies on 25 disease conditions based on 106 clinical research studies.
Remarks if any	:	-
Status	:	Document submitted to WHO-India Office (2011).

## 4.3 Intramural Research Projects

<b>4.3.1 Exploration of Veterinary Practices in Ayurveda.</b>		
Objective(s)	:	To identify, compile, category and explore Ayurvedic treatments from veterinary manuscripts/ rare books and to provide research leads to scientific community and bring into utility.
Duration	:	1 year.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.



Participating Institute(s) with Principal Investigator	:	Dr. Prasad G.P., Research Officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	22-10-2012.
Summary	:	<p>In the present study, information from 13 rare books/ manuscripts on Ayurvedic veterinary literature in Telugu language is reviewed. Total 322 diseases of animals, which include diseases of cattle, goats/sheep's and horses and 1830 treatments are documented.</p> <p>Telugu dialectic drugs with equivalent English/ chemical/ botanical names; diseases with equivalent English names and metric equivalents for weights and measures provided in the glossary are very informative and useful for scientific community.</p>
Remarks if any	:	-
Status	:	Published (2016).

#### 4.3.2 Eye care in Ayurveda.

Objective(s)	:	<ol style="list-style-type: none"><li>1. To prepare a comprehensive document that presents Ayurvedic understanding of Ophthalmology at a glance along with modern and contemporary advances.</li><li>2. To explore the potentials of Ayurveda in the management of the eye diseases.</li><li>3. To document various time tested effective therapies/prescriptions practiced in Ayurvedic eye care hospitals.</li></ol>
Duration	:	1 year.
Nature of the Document publication(Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Sridevi V., Research Officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	27-12-2012.
Summary	:	<p>The present work documents ophthalmic information from Ayurvedic literature spanning from ancient to modern period. The ophthalmic information from 71 works/texts has been collated and presented comprehensively.</p> <p>About 327 Ayurvedic preparations from different texts are enlisted along with their ingredients and therapeutic indications. The works also provides scientific data of experimental and clinical studies of Ayurvedic drugs and procedures in different eye diseases, which establishes the evidence basis for Ayurvedic ocular therapies. Documentation of treatment protocols/ regimen practiced in different Institutes/ Centres for eye diseases is one of the value addition made in this work.</p>



		The therapeutic index provided in the document is very informative and useful to academic and scientific community. The work certainly facilitates to understand the evolution and therapeutic potentials of Ayurvedic Ophthalmology and thereby providing better health care services and research leads.
Remarks if any	:	-
Status	:	Published with the title 'Śālākya Tantra-Āyurvedīya Netrarogavijñāna' (2016).

<b>4.3.3 History and Accounts of the literatures written in Unani Medicine from 9<sup>th</sup> to 12<sup>th</sup> century AD.</b>		
Objective(s)	:	To prepare a comprehensive document based on the records on composition of Unani medical literature from 9 <sup>th</sup> to 12 <sup>th</sup> century AD.
Duration	:	1 year.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Ashfaque Ahmad, Research Officer (Unani), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	31-10-2012.
Summary	:	The work is based on the description of about 200 books written by authors spanning four hundred years from 9 <sup>th</sup> to 12 <sup>th</sup> century AD along with their brief biographical account. Further, the monograph narrates the details of the works of eminent authors of Unani medical literature viz., Firdous al-Hikmat (Paradise of Wisdom) by Tabari (870 AD), Al-Havi (Continens Liber) by Rhazes (925 AD), Canon of Medicine by Avicenna (1037 AD) and works of some lesser known authors like Tadbīr al-Ḥabālā (Obstetrics) by Al-Baladī (991 AD), Amraz al-Uyun (Ophthalmology) by Ibn A'yan Al-Miṣrī (995 AD), and Aqrābādīn (Pharmacy) by Ibn Tilmīdh (1165 AD) etc.
Remarks if any	:	-
Status	:	Published (2016).

<b>4.3.4 Translation of Vaidyacintāmaṇi (from Sanskrit to English).</b>		
Objective(s)	:	To translate Vaidyacintāmaṇi from Sanskrit to English.
Duration	:	3 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Narayana A., Director, National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	31-10-2012.



Summary	:	<p>Vaidyacintāmaṇi of Indragañṭhi Vallabhācārya, a medieval work on Ayurvedic therapeutics composed between 1300-1600 A.D. The treatise consists of 73 <i>prakaraṇa</i> (chapters) and the content of the treatise include etio-pathogenesis and therapy of different diseases (chapter: 3-68), purification of minerals/metal based drugs (chapter 69), toxicology (chapter 70), instruments (chapter 71), classical weights and measures (chapter 72) and technical terms (chapter 73).</p> <p>Vaidyacintāmaṇi is very popular in Andhra and listed under Schedule I of Drugs and Cosmetics Act 1940. The present work <i>Devanāgarī</i> transliteration with English translation and indexing will provide wider dissemination and global readership.</p>
Remarks if any	:	-
Status	:	Under publication.

<b>4.3.5 Evolution of Ayurveda, Siddha and Unani (ASU) drug regulations in India.</b>		
Objective(s)	:	To prepare a comprehensive document on the evolution of drug regulations with respect to ASU drugs in India.
Duration	:	2 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Venkateswarlu B., Research Officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	31-10-2012.
Summary	:	<p>The project is an effort to collect and present the information on evolutionary process of drug regulations on ASU Drugs and to record them at one place as a ready reference material.</p> <p>The document provides information on concerns with need of drug regulations and regulatory mechanisms in ensuring the quality standards of drug and public health; documents published by WHO on Traditional Medicines; regulatory status of herbal medicines in select countries; quality concerns of drugs discussed in texts and works of ancient and medieval period; information from travelers account, epigraphical sources etc.; evolution of Pharmacopoeia and formularies of ASU systems; and single drugs and compound formulations covered under ASU Pharmacopoeia and Formularies are enlisted.</p> <p>The present document helps in understanding the existence and forms of drug regulations in ancient India; social/ administrative practices in different time lines; drug regulatory mechanism and their evolution to present times.</p>
Remarks if any	:	-
Status	:	Under vetting.



<b>4.3.6 Translation of Nāvanītaka with critical notes (from Sanskrit to Hindi &amp; English).</b>		
Objective(s)	:	Hindi and English translation of Nāvanītaka with critical notes.
Duration	:	2 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Bhuvnesh Kumar Sharma, Research Officer (Ay.), M.S. Regional Ayurveda Research Institute for Endocrine Disorders, Jaipur [Hindi translation]. Dr. Narayana A., Director, National Institute of Indian Medical Heritage, Hyderabad [English translation].
Date of Sanction/ Initiation	:	01-08-2013.
Summary	:	<p>Nāvanītaka (The Bower Manuscript) is an important work and unique compilation on formulae. This treatise is believed to be composed during 400 AD and manuscript date palaeographically assigned to a period between 350 AD and 475 AD.</p> <p>Nāvanītaka is an important link in the history of medicine. The work discovered by Major H. Bower in 1890 in a Buddhist <i>stūpa</i> along with an old trade route to China. The language of the treatise is old Sanskrit and freely mixed with Prākṛt. The contents of the treatise are arranged in 7 <i>prakaraṇa</i> (20 chapters). Several formulations mentioned in the treatise are unique to the text.</p> <p>The outcome of the project in the form of Hindi and English translation along with critical notes, indexing of medicinal plants, technical terms and English equivalent terms for <i>Prākṛt</i> terms facilitates wider dissemination and readership. The work would help academicians, physicians, researchers and historians to understand the phase of Ayurveda in early time.</p>
Remarks if any	:	-
Status	:	Under editing.

<b>4.3.7 Sanskrit to English translation of “Cakradatta – Ratnaprabhā commentary” (Residual portion).</b>		
Objective(s)	:	Sanskrit to English paraphrastic translation of residual portion of Cakradatta – Ratnaprabhā commentary.
Duration	:	1 year.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Bharathi K., Research Officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	01-07-2014.



Summary	:	<p>Translation of Cakradatta - Ratnaprabhā (residual portion) is aimed to translate the Sanskrit <i>mūlapāṭha</i> with commentary in English of eight chapters i.e. from 57-64 chapters (Netrarogacikitsā, Śīrorogacikitsā, Strīrogacikitsā, Bālarogacikitsā, Viṣarogacikitsā, Rasādiśodhanamāraṇādhikāra, Śoṇitasrāvādhikāra and Doavivaraṇādhikāra).</p> <p>The work is based on the Cakradatta - Ratnaprabhā (residual portion), edited by P.V. Sharma, published as a special volume of Bulletin of the Indian Institute of History of Medicine by IIMH, Hyderabad in 2003. A manuscript on Cakradatta (BORI. 889 of 1887-97) with <i>Niścalākara</i> commentary, which contains the interpolated portion of the text also used as reference material.</p> <p>As on date, there is no translation work available on Cakradatta – Ratnaprabhā (residual portion) from Sanskrit to Hindi/English/ other regional languages. This work is first of its kind and the outcome of the project definitely facilitates the wider dissemination among the scholars, researchers, academicians of Ayurvedic fraternity.</p>
Remarks if any	:	-
Status	:	Under editing.

<b>4.3.8. Devanāgarī transcription &amp; Sanskrit to English translation of Dravyaguṇa Śataśloki Mss.</b>		
Objective(s)	:	<ol style="list-style-type: none"><li>1. To take up the work of transcription of Dravyaguṇa Śataśloki in Devanāgarī script.</li><li>2. Translation of Dravyaguṇa Śataśloki from Sanskrit to English.</li></ol>
Duration	:	1 year.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Prasad G.P., Research Officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	01-07-2014.
Summary	:	<p>Śataślokī by Trimallabhaṭṭa is an important work on Ayurvedic materia medica. The work arranged in 101 verses describing the properties of water, milk, cereals, meat, vegetables, sugarcane products, oils, fruits, condiments, food preparations, fermented products, alcoholic beverages, massage, betel and metals, and mercury under 15 groups.</p> <p>Devanāgarī transcription of 101 verses along with their English translation and critical/ explanatory notes would be helpful to academicians, researchers, Ayurvedic physicians to understand the evolution of Ayurvedic materia medica and unique contributions in the field of dietetics and therapeutics.</p>
Remarks if any	:	-
Status	:	Under editing.



<b>4.3.9 Reappraisal of Ayurvedic objective ‘Svasthasya Svāsthya Rakshanam’</b>		
Objective(s)	:	To reappraise <i>Svasthasya svāsthya rakṣaṇam</i> , one of the two goals of Ayurveda by scientific analysis and evidences.
Duration	:	1 year.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Prasad P.V.V., Assistant Director (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	01-08-2013.
Summary	:	The present work emphasizes the role of <i>āhāra</i> (diet), <i>vihāra</i> (behavior), <i>dinacarya</i> (daily regimen) and <i>ṛtucarya</i> (seasonal regimen), <i>sadvṛtta</i> (good conduct), <i>vegāvarodha</i> (suppression of urges), intellectual errors etc. in maintaining the positive health. Interpretations are included wherever required/possible along with some of the related research studies also discussed in the document.
Remarks if any	:	-
Status	:	Published (2018).

<b>4.3.10 A critical review of various aspects of <i>Rasa, Guṇa, Vīrya, Vipāka</i> and <i>Prabhāva</i> in Āyurveda w.s.r. to <i>Dravyaguṇa</i>.</b>		
Objective(s)	:	To review critically the importance and rationality of basic concepts on <i>rasa, guṇa, vīrya, vipāka</i> and <i>prabhāva</i> in Āyurveda in scientific lines.
Duration	:	1 year.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Prasad P.V.V., Assistant Director (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	01-08-2013.
Summary	:	The present work includes data of several experimental and clinical studies carried out on the fundamental concepts of <i>Dravyaguṇa</i> i.e. <i>rasa, guṇa, vīrya, vipāka</i> and <i>prabhāva</i> , which establishes the scientific evidence for the concepts.
Remarks if any	:	-
Status	:	Under editing.



<b>4.3.11 Sahasrayoga (Translation from Sanskrit/ Hindi to English).</b>	
Objective	: Critical edition of Sahasrayoga with transliteration, translation from Sanskrit/Hindi to English.
Duration	: 2 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	: Book.
Participating Institute(s) with Principal Investigator	: Dr. Saketh Ram T., Research Officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	: 01-01-2014.
Summary	: Sahasrayoga is a popular text among the vaidya of Kerala. The work is a collection of medicinal recipes and treatment of certain diseases. It is written in Sanskrit and Malayalam, called Maṇipravāḷam, which strongly indicating the source of the work to Kerala. Many verses are in pure Sanskrit; whereas 129 formulae are written exclusively in Maṇipravāḷam.  The book also contains rasayoga like <i>jvarāṅkuṣa- rasa, rāmabāṅarasa, bhūtabhairavarasa, tāmra bhairavaguṭikā</i> etc.,  The book is listed at First Schedule of Drugs and Cosmetics act 1940 [S. No. 28]. The current translation work is attempted based on Hindi translation of Sahasrayoga published by CCRAS in 1990.
Remarks if any	: -
Status	: Under editing.

<b>4.3.12 Integrated Clinical Decision Support System (ICDSS).</b>	
Objective	: 1. Implementation, sustaining the use of Electronic Medical Record System with Integrated Clinical Decision Support (ICDSS-E.H.R.) at all the CCRAS clinical units uniformly.  2. To host an ICDSS Informatics Module (ICDSS-I.M.) to provide standardized Ayurvedic clinical terminology in comparison with WHO: ICD-10 and Standard Treatment Guidelines (STG) in tune with National Health Policy.
Duration	: 3 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	: Dynamic electronic database(s) in the form of web portal.
Participating Institute(s) with Principal Investigator	: Dr. Narayana A., Director, National Institute of Indian Medical Heritage, Hyderabad.





Date of Sanction/ Initiation	:	05-11-2014.
Summary	:	The work ICDSS has been conceived to benefit Ayurvedic physicians, researchers and medical students by providing harmonized, standardized easy to record-clinical terminology pertaining to AYUSH morbidity codes in tune with ICD-10/11 and other current medical terminology standards. Further, the platform serves as an authentic clinical reference resource for AYUSH clinical case recording, clinical trial protocol preparation and epidemiological research.
Remarks if any	:	<p>The project has played a vital role in development of National Ayurveda Morbidity Codes and Standardized Ayurveda Terminologies which has been launched in the form of National AYUSH Morbidity and Standardized Terminologies Portal (NAMSTP) by Hon'ble PM Sh. Narendra Modi on 17-10-2017 (Ayurveda Day) during the inaugural function of All India Institute of Ayurveda (AIIA), New Delhi. The portal is renamed as National AYUSH Morbidity And Standardized Terminologies Electronic Portal (NAMASTE - Portal).</p> <p>Based on the software architecture developed under the project further works like Prakriti validation Software been developed and successfully put to usage.</p>
Status	:	Completed (2018).

<b>4.3.13 AYUSH Research Portal.</b>		
Objective	:	<ol style="list-style-type: none"><li>1. To carry out the entrusted work of design, development and maintenance of AYUSH Research Portal (ARP).</li><li>2. Periodical uploading of research data published in consented journals under Ayurveda category in AYUSH Research Portal.</li></ol>
Duration	:	<ol style="list-style-type: none"><li>i. Work initiated in 2010 and till 18-03-2015 it was on program mode.</li><li>ii. In 2015, ARP sanctioned as IMR Project for a period of three years, which was completed on 18-03-2018.</li><li>iii. Further, it was sanctioned on 28-05-2018 for a period of three years, which is ongoing.</li></ol>
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Electronic indexing and abstracting portal for the research articles published in AYUSH Systems of Medicine.



Participating Institute(s) with Principal Investigator	:	<ol style="list-style-type: none"><li>1. Dr. Narayana A., Director, National Institute of Indian Medical Heritage, Hyderabad (PI till March, 2018).</li><li>2. Dr. Prasad P.V.V., Assistant Director (Ay.), National Institute of Indian Medical Heritage, Hyderabad (PI since May, 2018).</li></ol>
Date of Sanction/ Initiation	:	19-03-2015 and 28-05-2018.
Summary	:	<p>AYUSH Research Portal is a first comprehensive electronic indexing and abstracting service for the research articles published in AYUSH (Ayurveda, Yoga &amp; Naturopathy, Unani, Siddha, Homoeopathy and Sowa-Rigpa) Systems of Medicine and allied sciences. The Central Council for Research in Ayurvedic Sciences, New Delhi, Ministry of AYUSH has entrusted the task of software design, development and maintenance of AYUSH Research Portal to National Institute of Indian Medical Heritage (NIIMH), Hyderabad. Accordingly, the Institute has developed the AYUSH Research Portal (ARP), which is launched by the Secretary, Ministry of AYUSH on 18-04-2011. The core content of this Web based portal comprises evidence-based research data published in reputed journals.</p> <p>As on March 2019, there are about 26662 abstracts including some full text of scientific communications have been available in this portal and visits from about 160 countries (of which, 133 countries are with 100% site usage) is recorded.</p> <p>Out of 26662 research abstracts, 19577 abstracts are currently indexed under the category of Ayurveda from more than 570 journals. These abstracts include Clinical research 2668, Preclinical research 10223, Drug research 5043 and Fundamental research and Others 1643.</p>
Remarks if any	:	-
Status	:	Ongoing.



<b>4.3.14 Unani medical literature produced from 13<sup>th</sup> to 16<sup>th</sup> century AD.</b>	
<b>Objective(s)</b>	: To record the composition of Unani literature from 13 <sup>th</sup> to 16 <sup>th</sup> century and to prepare a comprehensive document (in English language).
<b>Duration</b>	: 1 year.
<b>Nature of the Document publication (Book/ Manuscript/ Bibliography)</b>	: Book
<b>Participating Institute(s) with Principal Investigator</b>	: Dr. Ashfaque Ahmad, Research Officer (Unani), National Institute of Indian Medical Heritage, Hyderabad.
<b>Date of Sanction/ Initiation</b>	: 14-01-2016.
<b>Summary</b>	: <p>The present work details about the account of Unani medical history of four hundred years spanning from 13<sup>th</sup> to 16<sup>th</sup> century. It consists of descriptions of over 200 books composed by 26 physicians of 13<sup>th</sup> century, 17 physicians of 14<sup>th</sup> century, 12 physicians of 15<sup>th</sup> century, 29 physicians of 16<sup>th</sup> century and 8 physicians after 16<sup>th</sup> century along with their brief account of life.</p> <p>In order to evaluate the contributions of authors in these periods to the progress of medicine, authentic primary sources were utilized to review their biography and their compositions. Original Arabic and Persian editions of source books/works of many libraries in Indian were referred. Furthermore, pertinent references including books, periodicals and online history-of-medicine resources have been reviewed.</p>
<b>Remarks if any</b>	: -
<b>Status</b>	: Published (2017).

<b>4.3.15 Unani medical literature produced between Hippocratic Period (462-370 BC) upto 8<sup>th</sup> century AD.</b>	
<b>Objective(s)</b>	: To record the composition of Unani literature between Hippocratic period (462-370 BC) up to 8 <sup>th</sup> century AD and to prepare a comprehensive document (in English language).
<b>Duration</b>	: 18 months.
<b>Nature of the Document publication (Book/ Manuscript/ Bibliography)</b>	: Book.
<b>Participating Institute(s) with Principal Investigator</b>	: Dr. Ashfaque Ahmad, Research Officer (Unani), National Institute of Indian Medical Heritage, Hyderabad.
<b>Date of Sanction/ Initiation</b>	: 14-01-2016.



Summary	:	<p>The Unani medical literature covers different topics such as medical encyclopedias, epitomes, commentaries, medical poetry, medical monographs, medical therapeutics, dietetics regimen and pharmaceuticals.</p> <p>The present work is based on the description of over 200 books written by 30 authors from Hippocratic period (fl. 462 BC) to 8<sup>th</sup> century. The monograph narrates the details of the works of eminent authors of Unani literature along with their brief account of life. The present work is first attempt of its kind to include all Unani publications of this period in chronological order. The present work will facilitate Unani classical literatures in public domain leading to its global popularity, collaboration and intra AYUSH referral.</p>
Remarks if any	:	-
Status	:	Published (2017).

<b>4.3.16 English translation of Abhinavacintāmaṇi and editing of Hindi version of the text published by the Council.</b>		
Objective(s)	:	<ol style="list-style-type: none"><li>1. Editing of Sanskrit version (of <i>mūla</i>) of the text and Hindi version (of translation) of Abhinavacintāmaṇi.</li><li>2. English translation, critical and explanatory notes along with indexing of Abhinavacintāmaṇi.</li></ol>
Duration	:	2 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Sridevi V., Research Officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	:	26-09-2017.
Summary	:	<p>Abhinavacintāmaṇi (AC) is one of the important source works in Ayurvedic medical literature which represents later phase of Ayurveda. AC is listed in Schedule I of Drugs and Cosmetics Act, 1940. The subject matter of the text arranged in sixty-six chapters consisting about 5340 verses.</p> <p>The present work English translation of Abhinavacintāmaṇi and editing of Hindi version of the text published by Council facilitate correct reading of the text. Bilingual translation of the text and critical and explanatory notes along with indexing will be useful for wider dissemination among the researchers, practitioners, students, academicians, industries, policy makers and scholars of Ayurveda.</p>
Remarks if any	:	-
Status	:	Ongoing.



<b>4.3.17 A chronicle of Dravyaguna: Tangible history based on Paleo-botanical, Archaeological sources.</b>	
Objective	: To reconstruct systematically the history of usage of medicinal substances from Pre-vedic (2500 BC), Vedic (1500 BC) and later Samhita period (500 BC) based on Paleo-botanical and Archaeological evidences.
Duration	: 1 year.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	: Book.
Participating Institute(s) with Principal Investigator	: Dr. Saketh Ram T., Research officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/ Initiation	: 02-02-2018.
Summary	: <p>Dravyaguna deals with the vast materia medica employed for food and medicine in Ayurveda. There is vast amount of literature chronicling the history of usage of drugs based on literary works spread over from Vedic period (1500 BC) till date. It is unfortunate to observe that, the literary legends pertaining to the history of Ayurveda with respect to use of medical substances (herbal, animal and mineral origin), hardly have any supporting archaeological evidences in the current historical literature about Ayurveda <i>Itihāsa</i>.</p> <p>Considering the nature of evidences material available through Paleo-botany &amp; other Archaeological data will surely enable reconstruction of History of Ayurveda based on concrete foundations of tangible evidences and to ascertain their relevance within the framework of evolution of Ayurveda from Pre-Vedic, Vedic, and later periods.</p>
Remarks if any	: -
Status	: Ongoing.

<b>4.3.18 Preparation of hard copies of digitized medical manuscripts of Eastern India (Odisha, West Bengal and Bihar).</b>	
Objective(s)	: To save and preserve the data of digitized medical manuscripts from Eastern India (Odisha, West Bengal and Bihar).
Duration	: 3 years.
Nature of the Document publication(Book/Manuscript/ Bibliography)	: Book.
Participating Institute(s) with Principal Investigator	: Dr. Lavaniya V.K., Research Officer (Ay.), CCRAS Hqrs, New Delhi.
Date of Sanction/Initiation	: 07-07-2014.



Summary	:	<p>A project titled “Survey, cataloguing and digitized inventory of medical manuscript of Eastern India (Odisha, West Bengal and Bihar)” was successfully executed by CCRAS under the ACDP Scheme of the then Department of AYUSH and was completed in April 2011. Under this project, Council has digitized 1697 manuscripts/rare books (810 from Odisha, 682 from West Bengal and 187 from Bihar) which were preserved at CCRAS Hqrs. in the form of CDs.</p> <p>As in a period of time, the data stored in CDs may be lost/ corrupted or unreadable due to several reasons, hence it was found necessary to have the data in print form and thus the project has been initiated.</p>
Remarks, if any	:	
Status	:	Completed (2017).

#### 4.3.19 Compilation and documentation of classical Sowa-Rigpa formulations.

Objective(s)	:	<ol style="list-style-type: none"><li>1. To compile the diverse formulations of Sowa-Rigpa from classical texts.</li><li>2. Documentation of around 1100 formulation as per the classical text of Sowa-Rigpa.</li><li>3. Publication of Sowa-Rigpa Formularies.</li></ol>
Duration	:	Three years
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Padma Gurmet, Research Officer In-charge, National Research Institute for Sowa-Rigpa, Leh.
Date of Sanction/Initiation	:	04-05-2014.
Summary	:	<p>Total 2771 formulations have been compiled from classical works of Sowa-rigpa. Out of 2771, 2675 are compound formulations and 96 are single.</p> <p>These formulations are compiled from fundamental text ‘rGyud-bZhi’ (four tantra). 667 (594 compounds and 73 single) formulations from twenty-seven chapters of subsequent tantra; 2036 compound formulations and 23 single drugs from oral pith instruction tantra; 12 compound formulations from basic tantra and 33 formulations from explanatory tantra.</p>
Remarks, if any	:	-
Status	:	Under editing.



<b>4.3.20 Preparation of hard copies and transcription of Ayurveda/medical palm leaf manuscripts and rare books from Karnataka.</b>																					
Objective(s)	: 1. Transcription of digital images of manuscript folios. 2. Creation of hard copies of these folios in the form of hard bound books.																				
Duration	: Two years.																				
Nature of the Document publication (Book/Manuscript/ Bibliography)	: Book.																				
Participating Institute(s) with Principal Investigator	: Dr. Venkateshwarlu G., Research Officer (Ay.), Regional Ayurveda Research Institute for Metabolic Disorders, Bangalore.																				
Date of Sanction/Initiation	: 06-12-2014.																				
Summary	: Manuscripts have very important and novel approaches, complementary to Ayurvedic principles and practices. There is a need to validate such references and take them for further research. Some manuscripts may also be taken for printing after editing by the experts.  19 manuscripts/ rare books (Out of 23) have been carried out and presented in a book form. The following are the transcribed manuscripts/ rare books, presented in book form:  <table><tbody><tr><td>1. Bopadevakṛta Siddha- mantra Prakāśavyākhyā A critical edition</td><td>10. Pañjikā</td></tr><tr><td>2. Siddhanāgājūnīyam</td><td>11. Sūtrasthānasañjīvanī</td></tr><tr><td>3. Vaidyaśāstradīpikā</td><td>12. Yogacintāmaṇi</td></tr><tr><td>4. Vaidyahr̥dayānanda</td><td>13. Āyurvedacintāmaṇi, Vol. I</td></tr><tr><td>5. Kailāsakāraka I</td><td>14. Āyurvedacintāmaṇi, Vol. II</td></tr><tr><td>6. Kailāsakāraka II</td><td>15. Pathyāpathyaviveka</td></tr><tr><td>7. Rasāyana taraṅgiṇi</td><td>16. Vaidyasārasaṅgraha</td></tr><tr><td>8. Rasaśāstragrantha</td><td>17. Bālabodhinī Vol. I</td></tr><tr><td>9. Vaidyaśāstra</td><td>18. Bālabodhinī, Vol. II</td></tr><tr><td></td><td>19. Nāḍitantra</td></tr></tbody></table>	1. Bopadevakṛta Siddha- mantra Prakāśavyākhyā A critical edition	10. Pañjikā	2. Siddhanāgājūnīyam	11. Sūtrasthānasañjīvanī	3. Vaidyaśāstradīpikā	12. Yogacintāmaṇi	4. Vaidyahr̥dayānanda	13. Āyurvedacintāmaṇi, Vol. I	5. Kailāsakāraka I	14. Āyurvedacintāmaṇi, Vol. II	6. Kailāsakāraka II	15. Pathyāpathyaviveka	7. Rasāyana taraṅgiṇi	16. Vaidyasārasaṅgraha	8. Rasaśāstragrantha	17. Bālabodhinī Vol. I	9. Vaidyaśāstra	18. Bālabodhinī, Vol. II		19. Nāḍitantra
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8. Rasaśāstragrantha	17. Bālabodhinī Vol. I																				
9. Vaidyaśāstra	18. Bālabodhinī, Vol. II																				
	19. Nāḍitantra																				
Remarks, if any	: -																				
Status	: Completed (2017).																				

<b>4.3.21 Translation of Netra Prakāśikā (English and Hindi).</b>	
Objective(s)	: To translate the classical work on Ophthalmology in Ayurveda named Netra Prakāśikā into English and Hindi and its publication.
Duration	: 1 year.
Nature of the Document publication (Book/Manuscript/ Bibliography)	: Book
Participating Institute(s) with Principal Investigator	: Dr. Lavaniya V.K., Research Officer (Ay.), CCRAS Headquarter, New Delhi.





Date of Sanction/ Initiation	:	March 2017.
Summary	:	Out of 14 chapters, English translation of 12 chapters has been completed.
Remarks, if any	:	-
Status	:	Ongoing.

#### 4.3.22 Documentation of effective Marma practices.

Objective(s)	:	1. Identification and preparation of directory of Marma practitioners. 2. Documentation of Marma management techniques. 3. Identifying the special formulations used in Marma cikitsā.
Duration	:	10 months.
Nature of the Document publication (Book/Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Deep V.C., Research Officer (Ay.), National Ayurveda Research Institute for Panchakarma, Cheruthuruthy.
Date of Sanction/Initiation	:	08-03-2018.
Summary	:	Documentation of Marma practices has been completed and the editing work of the videos/ book is in progress.
Remarks, if any	:	-
Status	:	Ongoing.

#### 4.3.23 Marmadarpaṇam – English and Hindi Translation.

Objective(s)	:	To publish English and Hindi translation of book Marmadarpaṇam (Mirror of Marma or vital points).
Duration	:	One year
Nature of the Document publication (Book/Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Lavaniya V.K., Research Officer (Ay.) and CCRAS Headquarter, New Delhi. Dr. Rakesh Narayanan V., Research Officer (Ay.), CCRAS Headquarter, New Delhi.
Date of Sanction/Initiation	:	04-06-2018.
Summary	:	Marmadarpaṇam is one among the few books published on Marmaśāstra, especially the Kalari (a form of martial art) Marma or Kulabhyasa marma (meaning Marma for abhyāsa or practice in martial arts).
Remarks, if any	:	-
Status	:	Ongoing.



<b>4.3.24 Preparation of Āyurveda Grantha Sammucchaya – Integrated E-Book Portal</b>	
Objective(s)	: To prepare Āyurveda E-Book Portal with effective search option(s) covering all primary texts of Āyurveda viz., Bṛhatrayī (Carakasamhitā, Suśrutasaṁhitā and Vāgbhāṭa), Laghutrayī (Mādhavanidāna, Śārṅgadharaśamhitā and Bhāvaprakāśa), important nighaṇṭu (compendia), and other Āyurveda texts mentioned under Schedule 1 of Drugs and Cosmetics Act 1940.
Duration	: 18 months.
Nature of the Document publication (Book/Manuscript/ Bibliography)	: Web Portal and mobile application.
Participating Institute(s) with Principal Investigator	: Dr. Sharma M.M., Research Officer (Ay.), CCRAS Headquarter, New Delhi. Dr. Saketh Ram T., Research Officer (Ay.) National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/Initiation	: 22-05-2018.
Summary	: -
Remarks, if any	: -
Status	: Ongoing.

<b>4.3.25 Preparation of E-book of Al-Qanun fi al-Tibb.</b>	
Objective(s)	: Preparation of E-book of Al-Qanun fi al-Tibb.
Duration	: 2 years.
Nature of the Document publication (Book/Manuscript/ Bibliography)	: E-book.
Participating Institute(s) with Principal Investigator	: Dr. Ashfaque Ahmad, Research Officer (Unani), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/Initiation	: 13-08-2018.
Summary	: Al-Qanun fi al-Tibb originally written in Arabic language by Avicenna in 1025 AD. The work is a comprehensive encyclopedia of medicine and most influential and monumental treatise in Unani medicine which consists of five volumes.
Remarks, if any	: -
Status	: Ongoing.



<b>4.3.26 Implementation and Maintenance of National AYUSH Morbidities And Standardized Terminologies Electronic Portal (NAMASTE - PORTAL)</b>		
Objective(s)	:	To maintain the National AYUSH Morbidities And Standardized Terminologies Portal [renamed as National AYUSH Morbidity and Standardized Terminologies Electronic Portal (NAMASTE Portal)].
Duration	:	3 years.
Nature of the Document publication (Book/Manuscript/ Bibliography)	:	Web portal.
Participating Institute(s) with Principal Investigator	:	Dr. Saketh Ram T., Research Officer (Ay.), National Institute of Medical Heritage, Hyderabad.
Date of Sanction/Initiation	:	29-03-2018.
Summary	:	The works related to the maintenance and up gradation of the portal is undertaken through this project.
Remarks, if any	:	-
Status	:	Ongoing.

### **National AYUSH Morbidity And Standardized Terminologies Electronic Portal (NAMASTE Portal)**

National AYUSH Morbidity and Standardized Terminologies Electronic Portal (NAMASTE Portal) is a web based portal exclusively dedicated to the centralized collection of morbidity statistics of various health care providing institutions under the all AYUSH systems spread over the country. This portal was formally launched by Shri Narendra Modi, the Hon'ble Prime Minister of India on the occasion of 2<sup>nd</sup> Ayurveda Day (17<sup>th</sup> October 2017).

This portal has the potential to revolutionize morbidity statistics data collection and may have a huge impact on the future policy making decision by bringing to light the contributions of various AYUSH systems in the healthcare delivery system of the country.

The core objective of this portal is to accurately project the contribution of various AYUSH systems in the health care sector of the country through centralized data pooling into a common portal.

#### **Main Highlight(s)**

Dual coding system incorporating both AYUSH and ICD codes for reporting in the case of A-S-U systems.

#### **Major Benefits:**

1. Real time morbidity data collection.
2. Identification of areas of strengths of the various systems under AYUSH.
3. E.H.R. systems integrated with morbidity codes.
4. Helpful in regulating the healthcare delivery system in AYUSH systems by providing standardizing diagnostic terminologies, thus overcoming the barrier of the diagnosis being written in Sanskrit-Tamil - Arabic languages in case of A-S-U systems.
5. The diagnostic codes can serve as a tool for documentation in various other programmes such as outreach activities.



Fig. 7. (a). Shri Narendra Modi, the Honorable Prime Minister of India launching the National AYUSH Morbidity and Standardized Terminologies Portal (NAMSTP) on the occasion of 2<sup>nd</sup> Ayurveda Day on 17-10-2017. (The portal has been renamed as National AYUSH Morbidity And Standardized Terminologies Electronic (NAMASTE) Portal on 15 October, 2018).

Fig. 7. (b). National AYUSH Morbidity And Standardized Terminologies Electronic Portal (NAMASTE Portal) <http://namstp.ayush.gov.in>



<b>4.3.27 History of inception and development of Homoeopathy in India.</b>	
Objective(s)	: To prepare comprehensive history of Homoeopathy in India since its inception and consequent developments till date and publish in the form of Monograph.
Duration	: 2 years.
Nature of the Document publication (Book/Manuscript/Bibliography)	: Book.
Participating Institute(s) with Principal Investigator	: Dr. Biswo Ranjan Das, Research Officer (Homoeopathy), National Institute of Medical Heritage, Hyderabad.
Date of Sanction/Initiation	: 14-02-2019.
Summary	: -
Remarks, if any	: -
Status	: Ongoing.

<b>4.3.28 Preparation of printed copies of digitized medical manuscripts from South India, Madhya Pradesh and Maharashtra.</b>	
Objective(s)	: To save and preserve the data of digitized medical manuscripts collated from South India, Madhya Pradesh and Maharashtra in print form for posterity.
Duration	: 2 years.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	: Book.
Participating Institute(s) with Principal Investigator	: Dr. Prasad P.V.V., Assistant Director (Ay.), National Institute of Medical Heritage, Hyderabad.
Date of Sanction/Initiation	: 08-03-2019.
Summary	: -
Remarks, if any	: -
Status	: Sanctioned.



<b>4.3.29 Expansion of Integrated E-Books Portal (Āyurveda Grantha Samuccaya) by inclusion of classical books on Rasaśātra.</b>	
Objective(s)	: To expand the Integrated E-Books Portal (Āyurveda Grantha Samuccaya) by addition of classical books on Rasaśātra available in public domain. The work will primarily cover original Sanskrit verses and available Sanskrit commentaries of major classical non-copyrighted textbooks of Rasaśātra available in public domain viz., Rasaratnasamuccaya, Rasataraṅgiṇī, Rasamañjarī including those mentioned in Schedule 1 of Drugs & Cosmetics Act 1940 which has not included previously in the portal along with those published by CCRAS/RAV/Ministry of AYUSH so far. The work will enable better literary search on rasa yoga and other Rasaśātra drugs used in Āyurveda.
Duration	: 18 months.
Nature of the Document publication (Book/Manuscript/ Bibliography)	: Web Portal and mobile application.
Participating Institute(s) with Principal Investigator	: 1. Dr. Sharma M.M., Research Officer (Ay.), CCRAS Headquarter, New Delhi. 2. Dr. Saketh Ram T., Research Officer (Ay.), National Institute of Indian Medical Heritage, Hyderabad.
Date of Sanction/Initiation	: 20-02-2019.
Summary	: -
Remarks, if any	: -
Status	: Sanctioned.

<b>4.3.30 Ayurveda in Buddhist literature (Tripiṭaka): A medico-historical investigation</b>	
Objective(s)	: <b>Primary:</b> 1. To review the concepts of doṣa, dhātu, mala, prakṛti, agni, ojas, manas (mind), ātmā, rasa, guṇa, vīrya, vipāka and mokṣa according to Buddhist as well as different Indian Philosophical Sciences i.e., Darśanaśāstra point of view. 2. To find out Buddhist philosophical approach to health care, both preventive & curative aspects. 3. Analysis of Ayurvedic material available in Tripiṭaka, according to the Buddhist point of view. 4. To do critical (historical /religious/ philosophical background) study of Buddhist literature, particularly Tripiṭaka as well as Ayurveda. <b>Secondary:</b> 1. To explore the hidden knowledge of Ayurveda in the Buddhist literature, particularly in Tripiṭaka.
Duration	: 3 years.



Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Balaji Potbhare, Research Officer (Ay.), National Institute of Medical Heritage, Hyderabad.
Date of Sanction/Initiation	:	08-03-2019.
Summary	:	
Remarks, if any	:	
Status	:	Sanctioned.

<b>4.3.31 Publication of Carakapradīpikā – An important commentary of Carakasamhitā</b>		
Objective(s)	:	To publish Carakapradīpikā commentary of Carakasamhitā along with mūlaśloka of Carakasamhitā.
Duration	:	18 months.
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Sharma M.M., Research Officer (Ay.), CCRAS Headquarter, New Delhi. Dr. Lavaniya V.K., Research Officer (Ay.), CCRAS Headquarter, New Delhi.
Date of Sanction/Initiation	:	01-03-2019.
Summary	:	-
Remarks, if any	:	-
Status	:	Sanctioned.

## 4.4 Collaborative Projects

<b>4.4.1 English translation of most popular Marathi compendium Cikitsā Prabhākara</b>		
Objective(s)	:	To make available an authentic English translation of most popular Marathi compendium Cikitsā Prabhākara along with critical notes and indexing.
Duration	:	1 years
Nature of the Document publication (Book/ Manuscript/ Bibliography)	:	Book.
Participating Institute(s) with Principal Investigator	:	Dr. Abhijit H. Joshi, Acting Registrar, Tilak Maharashtra Vidyapeeth, Pune.
Date of Sanction/Initiation	:	25-04-2017.



Summary	:	
Remarks, if any	:	Translation and vetting of the document completed.
Status	:	Under publication.

<b>4.4.2 Hindi translation of the Marathi compendium Cikitsā Prabhākara. .</b>		
Objective(s)	:	<i>Primary objective (s)</i> 1. To make authentic translation of most popular Marathi Compendium 'Cikitsā Prabhākara' in Hindi. <i>Secondary objective (s)</i> 1. Authentic translation of the book in Hindi. 2. To include critical notes wherever required. 3. Preparation of appendix of botanical name wherever applicable.
Duration	:	1 year.
Nature of the Document publication (Book/Manuscript/ Bibliography)	:	Book.
Participating Institutes with PI	:	Dr. Abhijit H. Joshi, Acting Registrar, Tilak Maharashtra Vidyapeeth, Pune.
Date of Sanction/Initiation	:	14-02-2019.
Summary	:	-
Remarks, if any	:	-
Status	:	Sanctioned.

### **CCRAS- Research Management and Information System (RMIS)**

Apart from research projects, CCRAS carries out several works in program mode. Research Management and Information System (RMIS), is one among such programs, which is developed to provide guidance/ suggestions to M.D. / Ph.D. (Ay.) scholars for the conduct of research studies.

The quality of research may be enhanced by appropriate formulation of research hypothesis/ research idea in the initial stage and executed through well planned study design and statistical proposition. To achieve this, the Council being apex body in the Country for formulation and co-ordination of research in Ayurveda, has initiated a dedicated 'Research Management Information System' (RMIS) at National Institute of Indian Medical Heritage, Hyderabad and CCRAS, Hqrs for offering suggestions/ inputs related to planning/designing/protocol related sampling and statistical issues etc as required by M.D./M.S. and Ph.D. scholars and guides across Ayurvedic Institutes/ Colleges in the country.

The council will offer suggestions and guidance on various steps /aspects related to planning, designing of Postgraduate and PhD. research work viz.





1. Formulating research question/hypothesis
2. Trial design.
3. Setting of Objectives
4. Sampling/samples size etc.
5. Selection criteria
6. Investigations required (for diagnosis and assessment)
7. Assessment criteria/methods
8. Suggestion on feasibility of interventions identified for study
9. Ethical issues
10. Suggested useful literatures relevant to proposed study
11. General comments on the synopsis/research plan
12. Data analysis and interpretation (of completed projects) etc.

**RMIS** HOME ABOUT SERVICES AYUSH FELLOWSHIP AYURVEDA MD/PG-DIPLOMA CONTACT

**Research Management Information System (RMIS)**  
Central Council for Research in Ayurvedic Sciences (CCRAS)  
Ministry of AYUSH, Government of India

**CCRAS-RESEARCH MANAGEMENT INFORMATION SYSTEM (RMIS)**

The academic Institutions of Ayurveda are imparting higher education viz. M.D./M.S. and Ph.D. in several disciplines of AYUSH and allied subjects. As an integral part of the course, the postgraduate and Ph.D. scholars are to submit thesis work based on research work done by them during that period. The quality of research may be enhanced by appropriate formulation of research hypothesis/research idea in the initial stage and executed through well planned study design and statistical proposition.

To achieve this, the council being apex body in the Country for formulation and co-ordination of research in Ayurveda, has initiated a dedicated 'Research Management Information System' at National Institute of Indian Medical Heritage, Hyderabad and CCRAS, Hqrs for offering suggestions/inputs related to planning/designing/protocol related sampling and statistical issues etc as required by M.D./M.S. and Ph.D. scholars and guides across Ayurvedic Institutes/Colleges in the country.

**Menu**

- > SERVICES
- > AYUSH FELLOWSHIP
- > AYURVEDA MD/PG-DIPLOMA
- > CONTACT

**e-books**

- e-Carakasamhita
- e-Sushrutassamhita
- e-Nighantu
- Madhavanidanam
- Ayurveda hand book

**e-Links**

- AYUSH Research Portal
- NIIMH

**QUESTIONS** **ANSWERS**

Please Register and Post Your Query  
If your are facing difficulty in the Registration process please e-Mail your Research Related Questions to  
[ccrasrmis\[at\]gmail\[dot\]com](mailto:ccrasrmis[at]gmail[dot]com)

Fig. 8. CCRAS- Research Management Information System (RMIS) URL: <http://rmis.nic.in>



## CHAPTER 5

### MEDICO-HISTORICAL LIBRARY

Libraries play an important part in the advancement of medical knowledge and act as a link between the past and present. Libraries dedicated to history of medicine explain the status, progress and approach towards medicine in different periods of time. The library located at National Institute of Indian Medical Heritage (NIIMH), Hyderabad, an Institute functioning under CCRAS is one such specialized Medico-historical library with a significant collection of books and journals on history of different systems of medicine. It is the only one of such kind in entire South-East Asia. This library has been planned with two clear objectives:

1. Promotion of knowledge of history of medicine among students, teachers of the medical colleges in India and abroad and also among the interested public.
2. Promotion of research into history of medicine in India during the ancient, medieval and modern periods and elucidation of the inter-relations between the evolution of medicine in India and the growth of medicine in other centres of civilization in ancient and medieval periods.

The collections in the library at NIIMH, Hyderabad are arranged under four sections viz., Manuscript section, Rare Book section, Reference section and Journal section.

#### 1. Manuscript Section:

CCRAS-NIIMH, Hyderabad maintains repository of manuscripts of Āyurveda, Siddha and Unāni. The collection includes palm-leaf and paper manuscripts in different languages viz., Sanskrit, Telugu, Tamil, Malayalam, Urdu, Arabic, Persian etc. There are about 283 manuscripts, of which 170 pertaining to Āyurveda, 107 to Unani and 6 to Siddha System of Medicine.

#### 2. Rare book Section:

One of the greatest strengths of the CCRAS-NIIMH, Hyderabad library is its richest collection of rare books. Because of its rich and valuable treasure of books/ works on Āyurveda, other systems of medicine, history of Medicine and other related Sciences, CCRAS-NIIMH, Hyderabad often serves as great resource and referral Institute for scholars engaged in the Medico-historical & Literary research in AYUSH Systems of medicine and Biomedicine.

#### 3. Reference Section:

There are about 11069 books (including rare books) on history of different branches of Modern medicine and several classical works/ books on Indian and European medicine. Apart from main collection of books, library is having different bibliographies, catalogues, descriptive catalogues, directories, encyclopedia, indices, travelogues, books on art, sculpture, archaeology, epigraphy, history of science and allied subjects, World medicine, Indian medicine, history and culture of world and India, non-medical literature, reprints and periodicals etc.,



#### **4. Journals Section:**

The journal section in the library is having valuable collection of old and rare journals related to Modern medicine, Āyurveda and related sciences etc. Presently, more than 1600 current/ back volumes of the journals are available in library.

All the above mentioned literature is made available for reference purpose to historians, research scholars, Post-graduate students and academic faculty from India and abroad.

Apart from NIIMH library, the library of CCRAS Hqrs, New Delhi is having collection of rare/ important manuscripts, books on Āyurveda, other allied sciences and periodicals. There are about 5500 books pertaining to Āyurveda are currently housed in the library. The library provides referral services to students, researches of Āyurveda and allied sciences.

## Manuscript section in the library of NIIMH, Hyderabad



Fig. 9 (a). Manuscripts arranged in the racks at NIIMH, Hyderabad.



Fig. 9 (b). Palm-leaf manuscript of Vaidyacintāmaṇi preserved at NIIMH, Hyderabad.

The leaves are arranged according to folio numbers; and both the extremities are safeguarded by placing two wooden rectangular planks. Both the leaves and planks have holes separated at equal distance (approximately 4 inches) and a thread is passed through the planks and leaves to keep the bundle intact.



## Manuscripts in the libraries of CCRAS



Fig. 10 (a). A folio from Vaidyacintāmaṇi, palm –leaf manuscript preserved at NIIMH, Hyderabad.

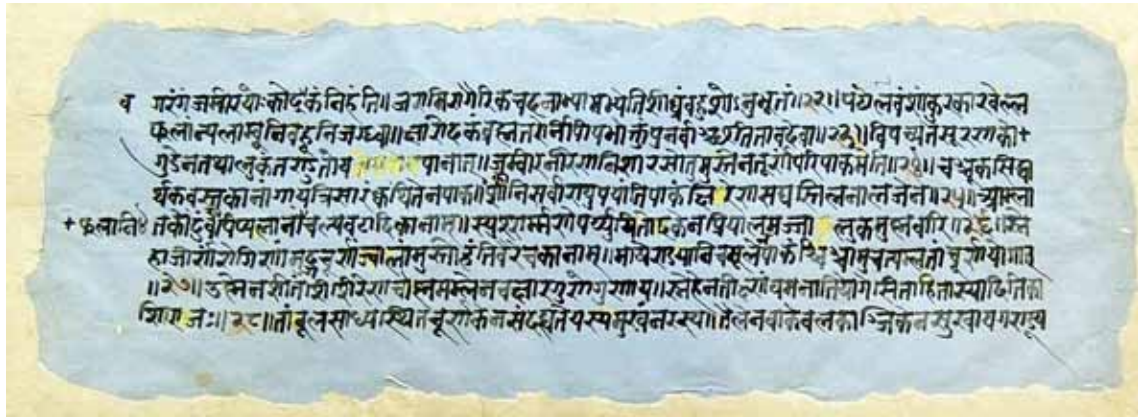


Fig. 10 (b). A folio from Ajīrṇamañjarī, paper manuscript preserved at NIIMH, Hyderabad.

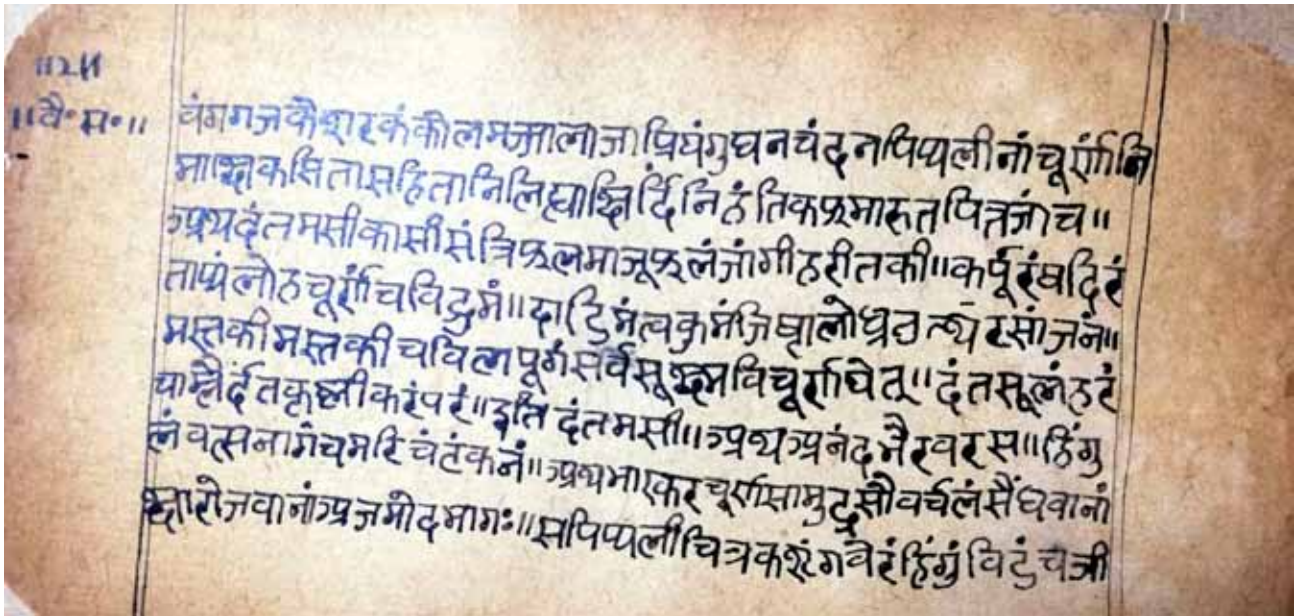


Fig. 10 (c). A folio from Vaidyakasaṅgraha, paper manuscript preserved at CCRAS Hq., New Delhi.

Fig. 11. Some of the rare/ important collection of books in CCRAS Libraries



Vaidyacintāmaṇi (1925).



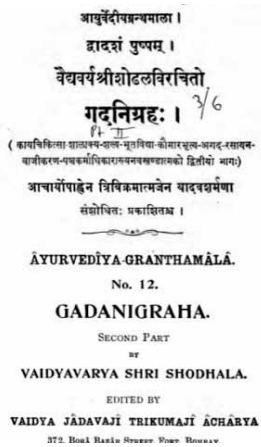
Bhāvaprakāśa (1841).



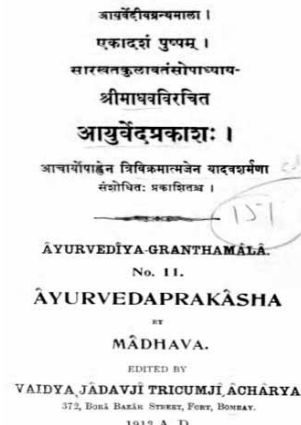
Śarabharāyijamu (1928)



Bṛhannighaṇṭuratnākara (1958).



Gadanigraha, Part II (1915)



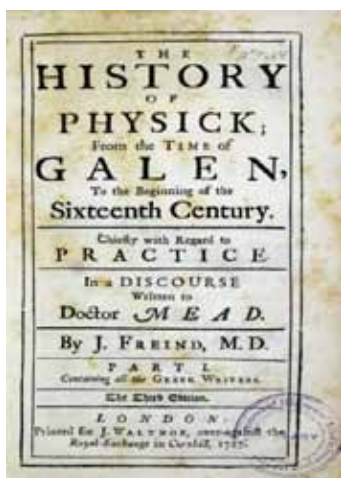
Āyurvedaparakāśa (1913)



Ikhteyarat-i-Badeeyi (1879).



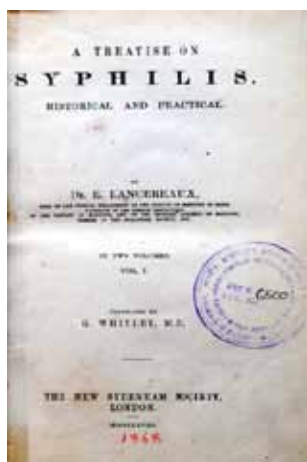
Kulliyat-e-Qanoon (1890).



The History of Physick from the time of Galen to the beginning of the sixteenth century (1727).



Histoire de La Medicine (1815).

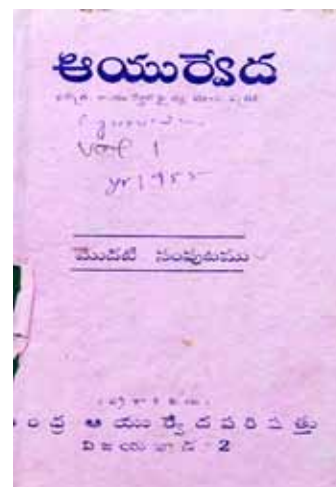
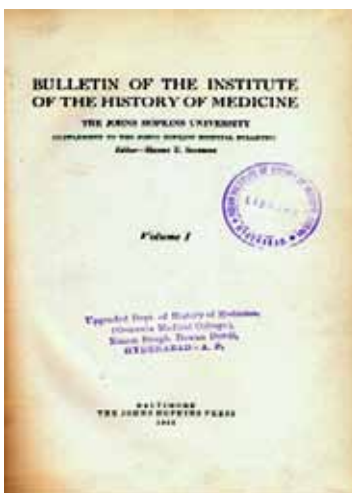
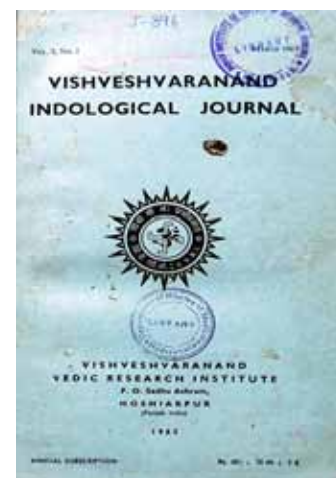
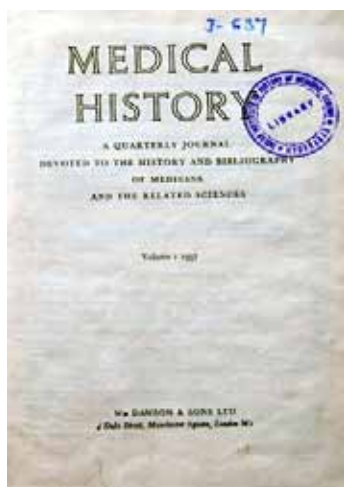
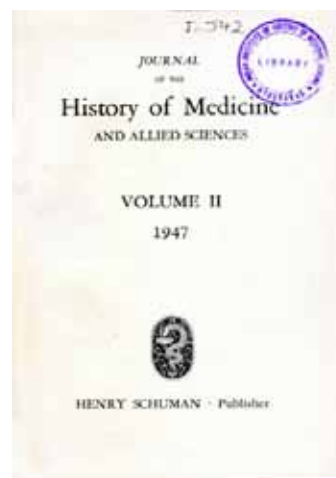
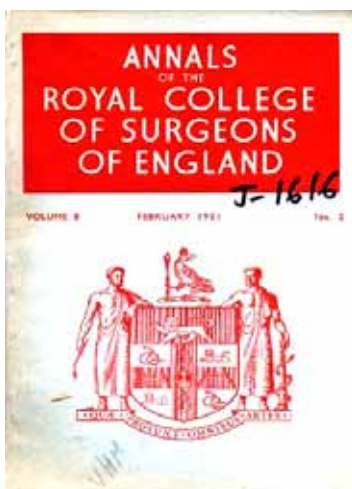
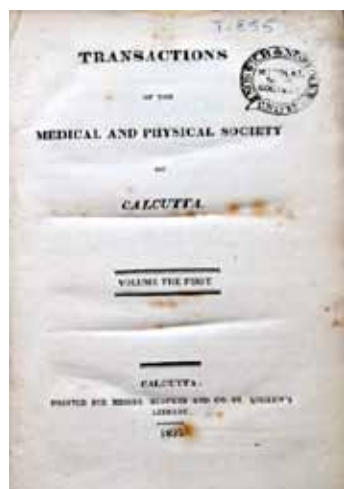


A Treatise on Syphilis (1868).



The Charaka Club (1906).

Fig. 12. Some of the important collection of Journals in NIIMH, Hyderabad







**Fig. 13. Eminent personalities visited the library of NIIMH, Hyderabad.**



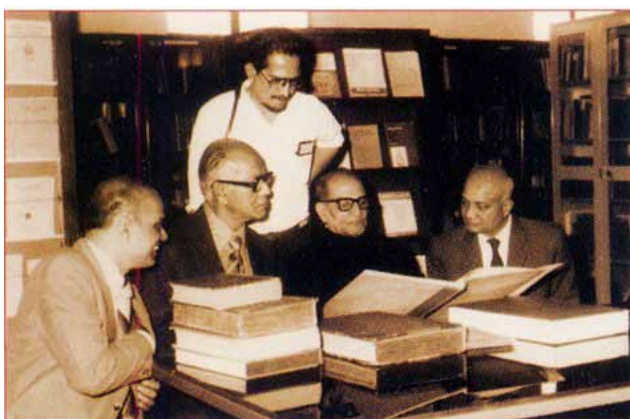
Dr. Jean Fillozat (in the middle) Member of Institute de France, Director of Institute of Francais de Indologie, Pondicherry, (20-9-1972).



Dr. T.J.S. Patterson (second from left), Prof. of Plastic Surgery, Oxford (17-11-1979).



Prof. P.V. Sharma (second from left) Head of the Department of Dravyaguna, Banaras Hindu University, Varanasi (13-6-1973).



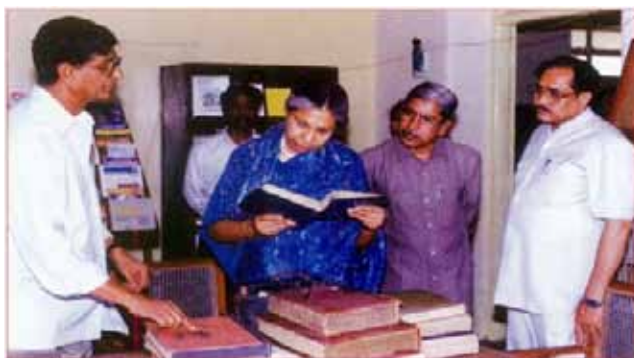
Dr. K.N. Udupa (extreme left), Dr. Chakravarthy (second from left) and Dr. Singhal (extreme right) (29-12-1979).



Dr. Denton G. Cooley (extreme right) Texas Heart Institute, Houston, Texas, USA (3-2-1990).



Prof. R.C. Williamson (second from right) Director & Professor of the Department of Surgery, Royal Post Graduate Medical School of Hammersmith Hospital, London, U.K. (2-1-1991).



Mrs. Shailaja Chandra (in the middle) Secretary, Department of Indian Systems of Medicine and Homeopathy, Ministry of Health & Family Welfare, Govt. of India, New Delhi (18-5-2000).



Shri. P.S. Gatowar (in the middle) Hon'ble Minister for Health & Family Welfare, Govt. of India, New Delhi (22-7-1994).



Dr. V.M. Katoch, Chairman; Dr. D. C. Katoch, Member; Prof. Dr. Bhushan Patwardhan, Member and Prof. Vd. K.S. Dhiman, Director General, CCRAS & Member Secretary of High-level Committee constituted by Ministry of AYUSH to review the activities of CCRAS and its Peripheral Units has visited NIIMH, Hyderabad on 26-10-2016. During the visit, the committee has gone through the collection of manuscripts and rare books in the library.





## CHAPTER 6

### MEDICO-HISTORICAL MUSEUM

The Medico-historical museum located in CCRAS-National Institute of Indian Medical Heritage (NIIMH), Hyderabad provides resource materials for historians, scientists and personnel who are interested in study and documentation of the historical aspects Āyurveda, Yoga & Naturopathy, Unāni, Siddha, Sowa Rigpa and Homoeopathy (AYUSH) as well as Modern Medicine.

The museum is considered as first of its kind in India and began with display of private collection of medical artifacts collected by Dr. D.V. Subba Reddy, Founder Director of the Institute way back in 1956 in Andhra Medical College, Visakhapatnam. Subsequently, at Hyderabad dedicated galleries have been arranged for showcasing the same. In later part, these collections have become nucleus for further development to its present shape. The Primary objectives of the museum are:

1. Sensitization of common public and students regarding Indian medical heritage.
2. Research and publication on the topics pertaining to Indian medical heritage based on primary and secondary evidences, various tangible and intangible resources.

The museum showcases collection of artifacts pertaining to AYUSH systems viz., Āyurveda, Yoga & Naturopathy, Unani, Siddha, Homoeopathy & Sowa Rigpa, and miscellaneous collections from Biomedicine and Traditional and Complementary Medicine (TCM) practiced elsewhere in the world. The collections in the museum can be broadly categorized as follows:

1. **Archaeological Collections**

Replicas of hospitals/ pharmacies/ temples/ places of worship of healing deities, medical instruments, vessels, utensils, materials pertaining to human/ animal subsistence, medicines etc.

2. **Inscriptions**

Estampage of inscriptions and replica (s) of inscriptions, statues, pillars etc., bearing medical information.

3. **Historical Records**

Records related to grants of physicians, construction of hospitals and allied centers.

4. **Image/Statuettes Gallery**

Portraits/statues of eminent physicians, founders of medical systems, scenes, thematic pictures/ paintings/ schematic diagrams pertaining to Indian medical heritage etc.,

5. **Manuscripts and Rare books**

Display of palm-leaf and paper medical manuscripts and replicas in photographs/ digital form & printed rare/ out of print books.

The museum in NIIMH, Hyderabad is housed in two halls located in the third and fourth floor of Institute's building. The Hall-1 has collections pertaining to Āyurveda, Yoga, Naturopathy, Siddha etc.

The Hall-2 has collections pertaining to Unāni System of Medicine, Homoeopathy and miscellaneous collections from Biomedicine, allied disciplines, Traditional and Complementary Medicine practiced elsewhere in the world etc.



Fig. 14 (a). Medico-historical museum, NIIMH, Hyderabad (Hall 1).



Fig. 14 (b). Medico-historical museum, NIIMH, Hyderabad (Hall 2).



**Some of the objects displayed in the museum are:**

### **Āyurveda**

- ◆ Replicas of ancient surgical instruments (made of Stainless steel) as described in Āyurvedic texts.
- ◆ Models of Lord Dhanvanatri, Lord Buddha, physician Jīvaka, pharmacy in ancient India etc.
- ◆ Portraits of Ācārya Suśruta, Śārṅgadhara, Cakrapāṇidatta, sage Nāgārjuna etc.
- ◆ Paintings of cranial operation by vaidya Jīvaka; preparation of a corpse for dissection; learning operative procedures in ancient times; lord Buddha nursing the sick, Aśvin vaidya providing artificial limb to Visphala, vaidya Parahita removing thorn struck in the snake's throat etc.
- ◆ Palm-leaf manuscripts of Vaidyacintāmaṇi, Basavarājīyamu etc.
- ◆ Rare books of Nāvanītaka, Śarabharājīyamu, Hāritasāmhita etc.
- ◆ Phanigiri pillar Ikṣvāk inscription (3000-4000 A.D.) mentioning about erection of a pillar containing the Dharmacakra by the chief physician (Aggrabhiṣaja) Dhemasena.

### **Yoga**

- ◆ Portrait of sage Patañjali.
- ◆ Photographs of sculptures based on different yoga postures.
- ◆ Poetic collection of Yogi Vemana in Telugu showcasing the Haṭhayoga and Rājayoga traditions.

### **Siddha**

- ◆ Manuscripts of Siddha.
- ◆ Photographs of eminent Siddhars.

### **Unani**

- ◆ Dar-ul-shifa (House of Cure).
- ◆ Unani and Hindu physicians attending the sick prince Qutub Shah.
- ◆ Unani Medical manuscripts.

### **Homoeopathy**

- ◆ Bust size bronze sculpture of Dr. Samuel Hahnemann, Father of Homoeopathy System of Medicine.
- ◆ Portrait of Dr. Samuel Hahnemann.
- ◆ Miscellaneous collections related to homoeopathy.

### **Modern Medicine**

- ◆ Rare Photographs of Hyderabad Chloroform Commission, 1889.
- ◆ Replica of original fever chart prepared by Charles Donovan, who discovered *Leishmania donovani*, the causative organism of visceral Leishmaniasis (Kala-azar).
- ◆ 'The Anatomy of the Arteries of the Human body' with 87 lithographic drawing plates, published by Taylor and Watson, London in the year 1844.
- ◆ Medical education in Hyderabad under Nizam's rule which includes collections of original certificates of Mohd. Usruph & Mohd. Hyder (first batch medical student of Hyderabad Medical

School), painting of court of Nizam IV Dr. Maclean teaching in the medical school with the help of Urdu translator Dr. Miss Clara Swain.

### Other collections related to Medicine/ History of Medicine

- ◆ Portrait and memorabilia of Dr. D.V. Subba Reddy, Founder Director, NIIMH, Hyderabad.
- ◆ Evolution of medicine in world context.
- ◆ Introduction of western medicine in India.
- ◆ Parke-Davis paintings of history of medicine.
- ◆ Medical Philately (medical theme on postage stamps).

After creation of new museum facility at the current premises, the CCRAS-NIIMH, Hyderabad, has initiated the process of collection of objects through special drive across the country from educational institutes of AYUSH, eminent physicians, historians etc. The response to the drive is encouraging and the museum is being updated with new collections from time to time and exhibiting the existing collection after appropriate preventive and curative conservation.

Further, the museum operates an in-house manuscript conservation lab with fumigation chamber, manual and chemical conservation sections. It is meant for preventive and curative conservation of medical manuscripts and rare books collection of Institute's library. The museum in tandem with the library is serving as pivotal archival repository for entire AYUSH Systems.



Fig. 15. Replica of stone inscription on grant to Vaidyavidyādhara Bhīma (1200-1300 A.D.)

Language: Sanskrit; Script: Telugu; Lines: 65 Short lines.

Replica of stone inscription in the K.B. Museum of Government of Telangana at Golconda fort near Hyderabad. It is published in the Corpus of Inscriptions in the Telangana Districts, Part 4 (1973). According to the note of the editor on the inscription, it refers itself to the gift of 3 khaṇḍrika of wet land and some marturs of dry land and one flower garden to Bhīma called as Vaidyavidyādhara (one possessing the knowledge of or embodiment of medical science).[Ref: Rama Rao B., Medical illusions in some inscriptions of Andhra Pradesh. Bulletin of the Indian Institute of History of Medicine. 1975; 5 (4): 198-206].



## SOME OF THE EXHIBITS IN THE MUSEUM

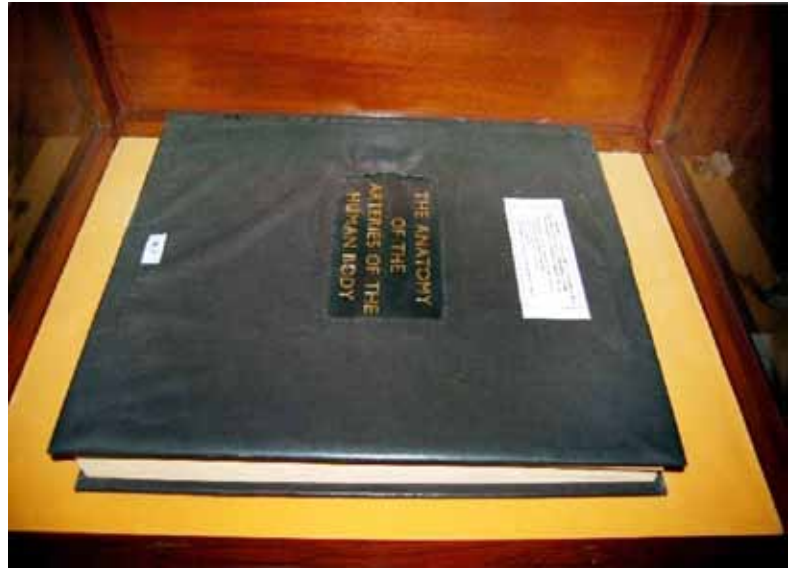


Fig. 16. (a). Book titled 'The Anatomy of the Arteries of the Human body' - with its applications to Pathology and Operative Surgery, in lithographic drawings with Practical Commentaries by Richard Quain; the drawings from nature and on stone by Joseph Maclise. London: Printed for Taylor and Walton, 1844.



Fig. 16. (b). Palm-leaf manuscripts of Basavarājīyamu and Vaidyacintāmaṇi.



Fig. 16. (c). Display of palm-leaf and paper manuscripts in the museum.



Fig. 16. (d). Rare books displayed in the museum.





Fig. 16. (e). Painting on vaidya Parahita removing the bone struct in snake's throat. Later on due to the benovolant act of him, a leniage of Āyurveda vaidya bearing Parahita name served free of cost and provided medical services in Andhra region.



Fig. 16. (f). Model of Dar-ul-Shifa (House of Cure), a Unani hospital during Nizam's rule in Hyderabad.



Fig. 16. (g). Vaidya Jivaka, Physician to Lord Buddha (600-500 BC)



Fig. 16. (h). Dr. Samuel Hahnemann, Father of Homoeopathy (1755-1843 AD)



## EMINENT PERSONALITIES IN THE MUSEUM



Fig. 17. (a). Dr. V.M. Katoch, Chairman; Dr. D. C. Katoch, Member; Prof. Dr. Bhushan Patwardhan, Member and Prof. Vd. K.S. Dhiman, Director General, CCRAS & Member Secretary of High-level Committee constituted by Ministry of AYUSH to review the activities of CCRAS and its Peripheral Units has visited NIIMH, Hyderabad on 26-10-2016. During the visit, the committee has gone through the different exhibits in the museum.



Fig. 17. (b). Prof. Dr. Martin Dinges, Institute for the History of Medicine of the Robert Bosch Foundation, Stuttgart, Germany in Institute's museum (Date: 08-02-2017).



## CHAPTER 7

### BOOKS, MONOGRAPHS AND JOURNALS

Central Council for Research in Ayurvedic Sciences (previously known as Central Council for Research in Ayurveda and Siddha and Central Council for Research in Indian Medicine and Homoeopathy), New Delhi has published several books and monographs under Literary Research Program in past fifty years. As on date, the Council has published 77 books/ works which are arranged under following categories:

1. Books/ works on editing, translation and critical editions of Āyurvedic texts based on manuscripts and rare books.
2. Descriptive catalogues of manuscripts of Āyurveda, Siddha, Unāni, Sowa Rigpa etc.
3. Works on basic and fundamental concepts of Ayurveda.
4. Works on Technical terminologies in Ayurveda.
5. Research databases.
6. Reports of the projects sponsored under Extramural Research scheme of Ministry of AYUSH (formerly known as Department of AYUSH) and Intramural Research Scheme/ Research policy of CCRAS.
7. Other Publications

The works on editing, translation and critical editions of Āyurvedic texts taken up and published by CCRAS are unique and made a significant contribution in Āyurvedic medical literature. It is to make a special mention that, apart from Sanskrit manuscripts, the medical manuscripts/ books available in other Indian languages and scripts viz., Oriya (Cikitsārṇava, Pathyāpathyaviniścaya and Abhinavacintāmaṇi); Telugu (Basavarājīyamu and Rasapradīpikā); Malayalam (Sahasrayoga and Vaidyamanoramā); Granth (Nānāvīdhavaidyam etc.) are collected from Manuscript repositories/ Institutes and transcribed into *Devanāgarī* for wider accessibility. Majority of these works were translated into Hindi/English/Tamil by Council and the translated versions facilitated global readership and great acceptance from Āyurvedic fraternity.

The metadata of the manuscripts provided in the nine descriptive catalogues published by Council is very exhaustive and informative. Metadata of about 2086 Āyurveda, 598 Siddha, 542 Unāni, 628 Sowa-Rigpa, 49 Yoga and 179 other manuscripts is presented comprehensively in more than 44 fields. These published descriptive catalogues explore the rich literary heritage of AYUSH Systems of Medicine, status of conservation and need for the retrieval and future research. Apart from this, the descriptive catalogue(s) published from CCRAS-National Institute of Indian Medical Heritage (NIIMH), Hyderabad, has provided metadata of 1336 rare books under 18 fields.

Ayurveda Encyclopedia and Standardized Ayurveda Terminologies (SAT) are exclusive works on technical terminology in Āyurveda. Ayurveda Encyclopedia published in three parts contains description of about 3000 Ayurveda technical terms under ten fields along with authentic references, which provides



through knowledge on correct usage of the terms. Whereas, Standardized Ayurveda Terminologies (SAT), published in two volumes, is a compilation of 14965 technical terms derived from all the major classical books/ works on Āyurveda.

Research database on Ayurveda, Siddha, other Traditional Medicine and related Sciences published in 4 volumes is a compilation of research outcomes of M.D. / Ph.D. (Ay.) & (Siddha) theses and published research articles, which establishes the evidence basis for therapies of Āyurveda, Siddha and other Traditional medicines.

The research outcomes of CCRAS-Intramural Research Projects (IMRs) are published by the Council from time to time. As on date, under Literary Research Program, documents on seven IMR Project reports have been published which provides better understanding on exploration of Veterinary practices in Āyurveda; evolution of Āyurvedic Ophthalmology (Āyurvedīya Netrarōgavijñāna) from ancient to modern period; details the history and accounts of Unani medical literature during from Hippocratic period to 1600 AD century and emphasized the role of diet, daily regimen, seasonal regimen, good conduct etc., in maintaining the positive health.

Apart from publication of books and monographs, the Council has taken major initiative in bringing out electronic version of important treatises (*Samhitā*), lexicons/ compendia (*Nighaṇṭu*) of Ayurveda; Pharmacopoeia and Formulary of Āyurveda and Siddha for easy accessibility and to serve as search tool. These e-books are developed by CCRAS- National Institute of Indian medical Heritage, Hyderabad by using inhouse technology and are accessed by many scholars of Āyurveda and other related Sciences and received a great appreciation from literary, academic and scientific communities across the globe.

Besides, publication of books and monographs, the Council publishes three research journals viz., Journal of Research in Ayurvedic Sciences (JRAS), Journal of Drug Research in Ayurvedic Sciences (JDRAS) and Journal of Indian Medical Heritage (JIMH) for disseminating the research findings.

## 7.1. Details of books published under Literary Research Program

### 7.1.1 Editing, translation and critical editions of Āyurvedic texts based on original manuscripts and rare books: 39

S. No.	Name of the Text/ Work	Year of Publication
1	<b>Cārucaryā</b> (Sanskrit text) Cārucaryā by Bhoja Rāja (A medieval work on personal hygiene), edited by Rama Rao B., Indian Institute of History of Medicine, Central Council for Research in Indian Medicine and Homoeopathy, New Delhi.	1974



S. No.	Name of the Text/ Work	Year of Publication
2	<b>Bhelasamhitā</b> (Sanskrit text) Bhelasamhitā (Maharṣipunarvasorātreasyāntevāsinā Bhelācāryeṇa praṇītā), edited by Venkatasubramania Sastri V.S. and Raja Rajeswara Sharma C., Central Council for Research in Indian Medicine and Homoeopathy, New Delhi.	1977
3	<b>Bheṣajakalpa</b> (Sanskrit text with critical edition) Bheṣajakalpaḥ (Bhāradvājapraṇītaḥ), edited by Venkatasubramania Sastri V.S. and Raja Rajeswara Sharma C., Central Council for Research in Indian Medicine and Homoeopathy, New Delhi.	1977
4	<b>Aṣṭāṅgasaṅgraha, Uttarasthāna, Part-II.</b> (Sanskrit text with Sanskrit commentary- critical edition) Aṣṭāṅgasaṅgrahaḥ- Induvyākhyāsahitaḥ, Uttarasthānam, Bhāga-2, edited by Pandit Rao D.V. and Ayodhya Pandey under the guidance of Thakur V.J., edited and coordinated by Pandey V.N., Mahendrapal Simha Arya, Sharma K.D., Ayodhya Pandey, Sharma K.D., and Ganesh Kumar Shukla, Central Council for Research in Ayurveda and Siddha, New Delhi.	1988
5	<b>Śabdacandrikā</b> (Sanskrit text) Cakrapāṇidatta viracitā - Śabdacandrikā, edited by Priyavrat Sharma, Indian Institute of History of Medicine, Central Council for Research in Ayurveda and Siddha, New Delhi.	1989
6	<b>Sahasrayoga</b> (Sanskrit text with Hindi translation) Sahasrayoga, Hindi translation by Pandit Rao D.V. and Sarada Nair, edited by Mahendrapal Simha Arya, Pandey V.N., Mishra S.K. and Sacchidananda Tiwari, Central Council for Research in Ayurveda and Siddha, New Delhi.	1990
7	<b>Aṣṭāṅgasaṅgraha, Sūtra, Śārīra and Nidāna sthāna, Part- IA.</b> (Sanskrit text with Sanskrit commentary- critical edition) Aṣṭāṅgasaṅgrahaḥ- Induvyākhyāsahitaḥ, Sūtraśārīranidānasthānam, Bhāga - Prathama (Ka), edited by Pandit Rao D.V. and Ayodhya Pandey under the guidance of Thakur V.J., edited and coordinated by Pandey V.N., Mahendrapal Simha Arya, Ayodhya Pandey and Sacchidananda Tiwari, Central Council for Research in Ayurveda and Siddha, New Delhi.	1991



S. No.	Name of the Text/ Work	Year of Publication
8	<b>Aṣṭāṅgasaṅgraha, Cikitsā and Kalpa sthāna, Part- IB.</b> (Sanskrit text with Sanskrit commentary- critical edition) Aṣṭāṅgasaṅgrahaḥ- Induvyākhyāsahitaḥ- Cikitsākalpasthānam, Bhāga-Prathama(Kha), edited by Pandit Rao D.V. and Ayodhya Pandey under the guidance of Thakur V.J., edited and coordinated by Hemaraj Goyal, Sharma K.D. and Ayodhya Pandey, Central Council for Research in Ayurveda and Siddha, New Delhi.	1998
9	<b>Abhinavacintāmaṇi</b> (Sanskrit text) Mahāmati Bhagavāna Cakrapāṇidāsa kṛta Abhinavacintāmaṇi, transcribed from Oriya to Devanāgarī by Prem Kishore, Sudarshana Sharma and Madhava Candra, Central Council for Research in Ayurveda and Siddha, New Delhi.	1999
10	<b>Dhanvantarisāranidhi</b> (Sanskrit text) Dhanvantarisāranidhiḥ, transcribed from Tamil to Devanāgarī by Padmanabha Sharma P. M. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi.	1999
11	<b>Nānāvidhavaidyam</b> (Sanskrit text) Nānāvidhavaidyam, transcribed from Tamil to Devanāgarī by Padmanabha Sharma P. M. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi.	1999
12	<b>Netraprakāśikā</b> (Sanskrit text) Netraprakāśikā, transcribed from Tamil to Devanāgarī by Padmanabha Sharma P. M. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi.	1999
13	<b>Netraroganidānam</b> (Sanskrit text) Netraroganidānam, transcribed from Tamil to Devanāgarī by Padmanabha Sharma P. M. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi.	1999
14	<b>Pathyāpathyaviniścaya</b> (Sanskrit text with Hindi translation) Mahāmahopādhyāya Viśvanātha Seṇa kṛta - Pathyāpathya viniścayaḥ, transcribed from Oriya to Devanāgarī and Hindi translation by Prem Kishore and Padhi M.M., Central Council for Research in Ayurveda and Siddha, New Delhi.	1999



S. No.	Name of the Text/ Work	Year of Publication
15	<b>Cārucaryā</b> (Sanskrit text with Hindi translation) Bhojarājākṛta Cārucaryā (Vaiyaktika svāstha vijñāna para madhyakālīna kṛti), Hindi translation by Ganesh Shukla, Central Council for Research in Ayurveda and Siddha, New Delhi.	2000
16	<b>Śataślokī</b> (Sanskrit text with Tamil translation) Avadhānasarasvatī viracitā - Śataślokī, transcribed from Tamil to Devanāgarī and Tamil translation by Sharma M. P. and Varadarajan T.V., Central Council for Research in Ayurveda and Siddha, New Delhi.	2001
17	<b>Rasapradīpikā</b> (Telugu text with Hindi translation) Vedāntācāryaputra Muḍumba Veṅkaṭācāryā viracita - Rasapradīpikā, Central Council for Research in Ayurveda and Siddha, New Delhi.	2001
18	<b>Aṣṭāṅga Hṛdayam</b> (Sanskrit text with Tamil translation) Vāgbhaṭa's Aṣṭāṅga Hṛdayam (with commentaries and Tamil translation), Sūtrasthānam, Volume 1, Tamil translation by Venkatasubramania Sastri V.S., Sunderasan T.P. and Ramalingam Pillai, edited by Varadarajan T.V. and Bhattathiri P.P.N., Central Council for Research in Ayurveda and Siddha, New Delhi.	2002
19	<b>Aṣṭāṅga Hṛdayam</b> (Sanskrit text with Tamil translation) Vāgbhaṭa's Aṣṭāṅga Hṛdayam (with commentaries and Tamil translation), Śārīrasthānam and Nidānasthānam, Volume 2, Tamil translation by Venkatasubramania Sastri V.S., Sunderasan T.P. and Ramalingam Pillai, edited by Varadarajan T.V. and Bhattathiri P.P.N., Central Council for Research in Ayurveda and Siddha, New Delhi.	2002
20	<b>Aṣṭāṅga Hṛdayam</b> (Sanskrit text with Tamil translation) Vāgbhaṭa's Aṣṭāṅga Hṛdayam (with commentaries and Tamil translation), Cikitsāsthānam [Part-1], Volume 3, Tamil translation by Venkatasubramania Sastri V.S., Sunderasan T.P. and Ramalingam Pillai, edited by Varadarajan T.V. and Bhattathiri P.P.N., Central Council for Research in Ayurveda and Siddha, New Delhi.	2002





S. No.	Name of the Text/ Work	Year of Publication
21	<b>Aṣṭāṅga Hṛdayam</b> (Sanskrit text with Tamil translation) Vāgbhata's Aṣṭāṅga Hṛdayam (with commentaries and Tamil translation), Cikitsāsthānam [Part-2] and Kalpasthānam, Volume 4, Tamil translation by Venkatasubramania Sastri V.S., Sunderasan T.P. and Ramalingam Pillai, edited by Varadarajan T.V. and Bhattathiri P.P.N., Central Council for Research in Ayurveda and Siddha, New Delhi.	2002
22	<b>Aṣṭāṅga Hṛdayam</b> (Sanskrit text with Tamil translation) Vāgbhata's Aṣṭāṅga Hṛdayam (with commentaries and Tamil translation), Uttarasthānam [Part-1], Volume 5, Tamil translation by Venkatasubramania Sastri V.S., Sunderasan T.P. and Ramalingam Pillai, edited by Varadarajan T.V. and Bhattathiri P.P.N., Central Council for Research in Ayurveda and Siddha, New Delhi.	2002
23	<b>Aṣṭāṅga Hṛdayam</b> (Sanskrit text with Tamil translation) Vāgbhata's Aṣṭāṅga Hṛdayam (with commentaries and Tamil translation), Uttarasthānam [Part- 2], Volume 6, Tamil translation by Venkatasubramania Sastri V.S., Sunderasan T.P. and Ramalingam Pillai, edited by Varadarajan T.V. and Bhattathiri P.P.N., Central Council for Research in Ayurveda and Siddha, New Delhi.	2002
24	<b>Cakradatta- Ratnaprabhā</b> (Sanskrit text) Cakradatta – Ratnaprabhā (Residual portion of the manuscript), edited by Priyavrat Sharma, Bulletin of the Indian Institute of History of Medicine, Special volume, Indian Institute of History of Medicine, Hyderabad, Central Council for Research in Ayurveda and Siddha, New Delhi.	2003
25	<b>Rasamañjūṣā</b> (Sanskrit text with Hindi translation) Dvārakātripāthī viracita (Lokabhāṣā)-Rasamañjūṣā, Hindi translation by Taracand Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi.	2005
26	<b>Vaidya Manoramā</b> (Sanskrit text with Hindi Translation) Vaidyavara Śrī Kālidāsa viracita Vaidya Manoramā, Hindi translation by Taracand Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi.	2005



S. No.	Name of the Text/ Work	Year of Publication
27	<b>Vaidyaka Saṁgraha</b> (Translated from Rajasthani, Gujarati to Hindi)  Vaidyaka Saṁgraha, transcribed from Rajasthani, Gujarati to Sanskrit and Hindi translation by Taracand Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi.	2005
28	<b>Basavarājīyam</b> (Sanskrit text with Hindi translation)  KoṭṭūruNīlakaṇṭhaBasavarājīviracitaBasavarājīyamHindibhāṣānuvādasahita, Hindi translation by Rangacarya V., edited by Lavekar G.S., Narayana A. and Bhuvnesh Kumar Sharma, Central Council for Research in Ayurveda and Siddha, New Delhi.	2007
29	<b>Śarabharājīyam</b> (Translated from Telugu to English)  Śarabharājīyam of Tullūriśarabharāja, translated from Telugu to English by Rama Rao B., edited by Narayana A., Central Council for Research in Ayurveda and Siddha, New Delhi.	2007
30	<b>Aupasargikatantrātaragata Pūyamehavijñānamu</b> (Translated from Telugu to English)  Aupasargikatantrātaragata Pūyamehavijñānamu by Veṁpaṭi Koṭeśvara Śāstrī and Nāgaliṅga Viśvanātha Śāstrī, English translation with critical commentary by Srinivasulu M. and Narmada Reddy C., edited by Lavekar G.S. and Narayana A., Central Council for Research in Ayurveda and Siddha, New Delhi.	2007
31	<b>Vaidyaka Prayoga Vijñānamu</b> (Translated from Telugu to English)  Vaidyaka Prayoga Vijñānamu by Śrī Indraghaṇṭi Veṅkaṭeśvara Śarmā, translated from Telugu to English by Vidya Sagar M., edited by Lavekar G.S. and Narayana A., Central Council for Research in Ayurveda and Siddha, New Delhi.	2007
32	<b>Vaidyaka Cikitsā Sāra (Pūrvārdha)</b> (Translated from Gujarati to Hindi)  Vaidya Gopālajī Kumvarajī Ṭhakkura likhita Vaidyaka Cikitsā Sāra, Pūrvārdha, translated from Gujarati to Hindi by Pranav K. Dave and Dave K. J., edited by Lavekar G.S., Padhi M.M., Mangal A.K., Sharma M.M. and Sharma B.S., Central Council for Research in Ayurveda and Siddha, New Delhi.	2008



S. No.	Name of the Text/ Work	Year of Publication
33	<b>Vaidyaka Cikitsā Sāra (Uttarārdha)</b> (Translated from Gujarati to Hindi)  Vaidya Gopālajī Kumvarajī Ṭhakkura likhita Vaidyaka Cikitsā Sāra, Uttarārdha, translated from Gujarati to Hindi by Pranav K. Dave and Dave K. J., edited by Lavekar G.S., Padhi M.M., Mangal A.K., Sharma M.M. and Sharma B.S., Central Council for Research in Ayurveda and Siddha, New Delhi.	2008
34	<b>Cikitsārṇava (Viśvanāthacikitsā) - Pūrvārdha</b> (Sanskrit text with Hindi translation)  Mahāmahopādhyāyaviśvanāthaseṇakṛtaḥ-Cikitsārṇavaḥ (Viśvanātha-cikitsā), Pūrvārdhaḥ, Hindi translation by Padhi M.M. and Sudarshan Das, edited by Lavekar G.S., coordinated by Audicya K.C., editorial assistance by Das B., Sharma M.M., Sharma B.S. and Nikhil J., Central Council for Research in Ayurveda and Siddha, New Delhi.	2009
35	<b>Abhinavacintāmaṇi, Prathamabhāga.</b> (Sanskrit text with Hindi translation)  Mahāmati Bhagavāna Cakrapāṇidāsa kṛta Abhinavacintāmaṇi, Part I, Hindi translation by Taracand Sharma, edited by Lavekar G.S., Padhi M.M., Mangal A.K., Sharma M.M. and Sharma B.S., Central Council for Research in Ayurveda and Siddha, New Delhi.	2009
36	<b>Abhinavacintāmaṇi, Dvitiyabhāga.</b> (Sanskrit text with Hindi translation)  Mahāmati Bhagavāna Cakrapāṇidāsa kṛta Abhinavacintāmaṇi, Part II, Hindi translation by Taracand Sharma, edited by Lavekar G.S., Padhi M.M., Mangal A.K., Sharma M.M. and Sharma B.S., Central Council for Research in Ayurveda and Siddha, New Delhi.	2009
37	<b>Cikitsārṇava (Viśvanāthacikitsā) - Uttarārdha</b> (Sanskrit text with Hindi translation)  Mahāmahopādhyāyaviśvanāthaseṇakṛtaḥ-Cikitsārṇavaḥ (Viśvanātha-cikitsā) Uttarārdhaḥ, Hindi translation by Padhi M.M. and Sudarshan Das, edited by Lavekar G.S., coordinated by Audicya K.C., editorial assistance by Das B., Sharma M.M., Sharma B.S. and Nikhil J., Central Council for Research in Ayurveda and Siddha, New Delhi.	2010



S. No.	Name of the Text/ Work	Year of Publication
38	<b>Rasacaṇḍāṁśu</b> (Sanskrit text with Hindi Translation) Rasacaṇḍāṁśuh, Hindi translation by Savarikar S.S., edited by Ramesh Babu D., Lavekar G.S. and Padhi M.M., editorial assistance by Sharma M.M., Sharma B.S., Lavaniya V.K., Nikhil J. and Upendra S., Central Council for Research in Ayurveda and Siddha, New Delhi.	2011
39	<b>Basavarājīyamu</b> (Sanskrit text with English Translation) Basavarājīyamu by Koṭṭūru Nīlakaṇṭha Basavarāju, edited and translated by Narayana A., National Institute of Indian Medical Heritage, Hyderabad.	2013

### 7.1.2 Catalogues/ Descriptive catalogues of Āyurveda, Siddha, Unāni, Sowa Rigpa etc., Manuscripts: 11

S. No.	Title of the Book	Year of Publication
1	<b>A Checklist of Sanskrit Medical Manuscripts of India.</b> Rama Rao B., A Checklist of Sanskrit Medical Manuscripts in India, Central Council for Research in Indian Medicine and Homoeopathy, New Delhi.	1972
2	<b>Sanskrit Medical Manuscripts in India.</b> Rama Rao B., Sanskrit Medical Manuscripts in India, revised edition, Central Council for Research in Ayurveda and Siddha, New Delhi.	2005
3	<b>Descriptive Catalogue of Medical Manuscripts, under the project “Survey, cataloguing and digitized inventory of medical manuscripts in eastern India”, Volume -I.</b> Lavekar G.S., Padhi M.M., Joseph G.V.R., Sharma M.M., Sharma B.S., Lavaniya V.K., editorial assistance by Nikhil J., Descriptive Catalogue of Medical Manuscripts, under the project “Survey, cataloguing and digitized inventory of medical manuscripts in eastern India”, Volume I, Central Council for Research in Ayurveda and Siddha, New Delhi.	2010
4	<b>Descriptive Catalogue of Medical Manuscripts, under the project “Survey, cataloguing and digitized inventory of medical manuscripts in eastern India”, Volume -II.</b> Lavekar G.S., Padhi M.M., Joseph G.V.R., Sharma M.M., Sharma B.S., Lavaniya V.K., editorial assistance by Nikhil J., Descriptive Catalogue of Medical Manuscripts, under the project “Survey, cataloguing and digitized inventory of medical manuscripts in eastern India”, Volume II, Central Council for Research in Ayurveda and Siddha, New Delhi.	2010



S. No.	Title of the Book	Year of Publication
5	<b>Descriptive Catalogue of Medical Manuscripts, under the project “Survey, cataloguing and digitized inventory of medical manuscripts in eastern India”, Volume -III.</b>  Lavekar G.S., Padhi M.M., Joseph G.V.R., Sharma M.M., Sharma B.S., Lavaniya V.K., editorial assistance by Nikhil J., Descriptive Catalogue of Medical Manuscripts, under the project “Survey, cataloguing and digitized inventory of medical manuscripts in eastern India”, Volume III, Central Council for Research in Ayurveda and Siddha, New Delhi.	2011
6	<b>Collection and Digitization of Medical Manuscripts from South India, Maharashtra and Madhya Pradesh, Descriptive Catalogue, Part 1.</b>  Narayana A., Prasad G.P., Bhuvnesh Kumar Sharma, Saketh Ram T., Ashfaque Ahmad et al., Collection and Digitization of Medical Manuscripts from South India, Maharashtra & Madhya Pradesh, Descriptive Catalogue, Part-1, National Institute of Indian Medical Heritage, Hyderabad, Central Council for Research in Ayurvedic Sciences, New Delhi.	2013
7	<b>Collection and Digitization of Medical Manuscripts from South India, Maharashtra and Madhya Pradesh, Descriptive Catalogue, Part 2.</b>  Narayana A., Prasad G.P., Bhuvnesh Kumar Sharma, Saketh Ram T., Ashfaque Ahmad et al., Collection and Digitization of Medical Manuscripts from South India, Maharashtra & Madhya Pradesh, Descriptive Catalogue, Part-2, National Institute of Indian Medical Heritage, Hyderabad, Central Council for Research in Ayurvedic Sciences, New Delhi.	2013
8	<b>Descriptive Catalogue of Sowa-Rigpa Manuscripts, under the project “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume I.</b>  Edited by Padma Gurmet, Nawang Tangais and Rigzin Lahmo, Descriptive Catalogue of Sowa-Rigpa Manuscripts, under the project of “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume I, National Research Institute for Sowa Riga, Central Council for Research in Ayurvedic Sciences, New Delhi.	2013
9	<b>Descriptive Catalogue of Sowa-Rigpa Manuscripts- Under the project “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume II.</b>  Edited by Padma Gurmet, Nawang Tangais and Rigzin Lahmo, Descriptive Catalogue of Sowa-Rigpa Manuscripts, under the project of “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume II, National Research Institute for Sowa Riga, Central Council for Research in Ayurvedic Sciences, New Delhi.	2013



S. No.	Title of the Book	Year of Publication
10	<b>Descriptive Catalogue of Sowa-Rigpa Manuscripts- Under the project “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume III.</b>  Edited by Padma Gurmet, Nawang Tangais and Rigzin Lahmo, Descriptive Catalogue of Sowa-Rigpa Manuscripts, under the project of “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume III, National Research Institute for Sowa Riga, Central Council for Research in Ayurvedic Sciences, New Delhi.	2013
11	<b>Descriptive Catalogue of Sowa-Rigpa Manuscripts- Under the project “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume IV.</b>  Edited by Padma Gurmet, Nawang Tangais and Rigzin Lahmo, Descriptive Catalogue of Sowa-Rigpa Manuscripts, under the project of “Survey, cataloguing, translation and digitized inventory of Sowa-Rigpa Manuscripts”, Volume IV, National Research Institute for Sowa Riga, Central Council for Research in Ayurvedic Sciences, New Delhi.	2016

### 7.1.3 Basic and Fundamental Concepts of Ayurveda and other related concepts in Ayurveda: 3

S. No.	Title of the Book	Year of Publication
1	<b>Concept of <i>Jātharāgni</i> and <i>Dhātvagni</i> in Ayurveda (with special reference to Malabsorption).</b>  Concept of <i>Jātharāgni</i> and <i>Dhātvagni</i> in Ayurveda (with special reference to Malabsorption), Central Council for Research in Ayurveda and Siddha, New Delhi.	1987
2	<b>The Development of Indian Medicine, <i>Śārṅgadhara</i>’s contribution.</b>  Dwarakanath C., The Development of Indian Medicine, <i>Śārṅgadhara</i> ’s contribution, Central Council for Research in Ayurveda and Siddha, New Delhi.	1991
3	<b>Handbook of Anupāna Pathya &amp; Apathya (Adjuvant Wholesome &amp; Unwholesome Regimen).</b>  Compiled by Narayana A., Prasad P.V.V., Subhaktha P.K.J.P. and Anupama U., edited by Ramesh Babu D., and Padhi M.M., Handbook of Anupāna Pathya & Apathya (Adjuvant Wholesome & Unwholesome Regimen), National Institute of Indian Medical Heritage, Hyderabad.	2012



#### 7.1.4 Works on Technical Terminology in Ayurveda: 5

S. No.	Title of the Book	Year of Publication
1	<b>Ayurveda Encyclopedia, Part 1.</b> Narayana A., Bharathi K., Bhuvnesh Kumar Sharma, Rajasekaran R., Sridevi V., Saketh Ram T. et al, Ayurveda Encyclopedia, Part 1, National Institute of Indian Medical Heritage, Hyderabad.	2013
2	<b>Ayurveda Encyclopedia, Part 2.</b> Narayana A., Bharathi K., Bhuvnesh Kumar Sharma, Rajasekaran R., Sridevi V., Saketh Ram T. et al, Ayurveda Encyclopedia, Part 2, National Institute of Indian Medical Heritage, Hyderabad.	2013
3	<b>Ayurveda Encyclopedia, Part 3.</b> Narayana A., Bharathi K., Bhuvnesh Kumar Sharma Rajasekaran R., Sridevi V., Saketh Ram T. et al, Ayurveda Encyclopedia, Part 3, National Institute of Indian Medical Heritage, Hyderabad.	2013
4	<b>Standardized Ayurveda Technical Terminologies, Part –I, Block- SAT-A-D &amp; F &amp;J.</b> Working Group and Editorial Board, Standardized Ayurveda Technical Terminologies, Part –I, Block- SAT-A-D & F &J, Central Council for Research in Ayurvedic Sciences, New Delhi on behalf of Ministry of AYUSH, Government of India.	2017
5	<b>Standardized Ayurveda Technical Terminologies, Part –II, Block- SAT-E.</b> Working Group and Editorial Board, Standardized Ayurveda Technical Terminologies, Part –II, Block- SAT-E, Central Council for Research in Ayurvedic Sciences, New Delhi on behalf of Ministry of AYUSH, Government of India.	2017

#### 7.1.5 Research Databases on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences: 4

S. No.	Title of the Book	Year of Publication
1	<b>Research Database on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences, Part I.</b> Lavekar G.S., Narayana A., Padhi M.M., Srikanth N., Rajasekaran R., Venkateshwarlu B., Bharathi K., Prasad G.P., Murali Krishna C. et al, Research Database on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences, Part I, National Institute of Indian Medical Heritage, Hyderabad.	2010



S. No.	Title of the Book	Year of Publication
2	<b>Research Database on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences, Part II.</b> Lavekar G.S., Narayana A., Padhi M.M., Srikanth N., Rajasekaran R., Venkateshwarlu B., Bharathi K., Prasad G.P., Murali Krishna C. et al, Research Database on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences, Part II, National Institute of Indian Medical Heritage, Hyderabad.	2010
3	<b>Research Database on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences, Part III.</b> Lavekar G.S., Narayana A., Padhi M.M., Srikanth N., Rajasekaran R., Venkateshwarlu B., Bharathi K., Prasad G.P., Murali Krishna C. et al, Research Database on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences, Part III, National Institute of Indian Medical Heritage, Hyderabad.	2010
4	<b>Research Database on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences, Part IV.</b> Lavekar G.S., Narayana A., Padhi M.M., Srikanth N., Rajasekaran R., Venkateshwarlu B., Bharathi K., Prasad G.P., Murali Krishna C. et al, Research Database on Ayurveda, Siddha, Other Traditional Medicine and Related Sciences, Part IV, National Institute of Indian Medical Heritage, Hyderabad.	2010

#### 7. 1. 6 Intramural Project Reports: 6

S. No.	Title of the Book	Year of Publication
1	<b>Exploration of Veterinary Practices in Ayurveda.</b> Dhiman K.S., Padhi M.M., Narayana A., Prasad G.P., Srikanth N., Bharti, Lavaniya V.K. and Sharma B.S., Exploration of Veterinary Practices in Ayurveda, National Institute of Indian Medical Heritage, Hyderabad.	2016
2	<b>Śālākya Tantra - Āyurvedīya Netrarogavijñāna.</b> Dhiman K.S., Narayana A., Padhi M.M., Srikanth N., Sridevi V., Bharti, Sharma B.S. and Lavaniya V.K., Śālākya Tantra - Āyurvedīya Netrarogavijñāna, National Institute of Indian Medical Heritage, Hyderabad.	2016
3	<b>History and Accounts of literature originally written in Unani Medicine from 9<sup>th</sup> - 12<sup>th</sup> Century.</b> Ashfaque Ahmed, History and Accounts of literature originally written in Unani Medicine from 9 <sup>th</sup> - 12 <sup>th</sup> century, National Institute of Indian Medical Heritage, Hyderabad.	2016





S. No.	Title of the Book	Year of Publication
4	<b>Unani Medical literature produced from Hippocratic period (Fl. 462 B.C.) to 8<sup>th</sup> Century AD.</b> Ashfaque Ahmed, Unani Medical literature produced from Hippocratic period (Fl. 462 B.C.) to 8 <sup>th</sup> Century AD, National Institute of Indian Medical Heritage, Hyderabad.	2017
5	<b>Unani Medical literature produced from 13<sup>th</sup> Century to 16<sup>th</sup> Century.</b> Ashfaque Ahmed, Unani Medical literature produced from 13 <sup>th</sup> Century to 16 <sup>th</sup> Century, National Institute of Indian Medical Heritage, Hyderabad.	2017
6	<b>Ayurveda for Healthy Living: Svasthasya svāthya rakṣaṇam.</b> Prasad P.V.V., Subhaktha P.K.J.P.; reviewed by Prof. Rambabu R. Dwivedi, National Institute of Indian Medical Heritage, Hyderabad.	2018

#### 7.1.7 Other Publications: 9

S. No.	Title of the Book	Year of Publication
1	<b>Institute of History of Medicine: Hyderabad, Museum Guide, Part –II (Indian Medicine).</b> Compiled by Ramana Rao V.V. and edited by Subba Reddy D.V., Institute of History of Medicine: Hyderabad, Museum Guide, Part –II (Indian Medicine), Central Council for Research in Indian Medicine and Homoeopathy, New Delhi.	1971
2	<b>Amchi Pharmaco-Therapeutics (Tibetan).</b> Gurmet Namgyal and Phuntsog S.T., Amchi Pharmaco-Therapeutics (Tibetan), Central Council for Research in Ayurveda and Siddha, New Delhi.	1990
3	<b>Dr. D. V. Subba Reddy Memorial lectures, Workshop on Literary Research in Ayurveda and Rasashastra – Souvenir.</b>	1992
4	<b>Research in Ayurveda and Siddha - Bibliography of CCRAS Contributions (1969-97).</b> Yelne M.B., Borkar G.B. and Sharma P.C., Research in Ayurveda and Siddha-Bibliography of CCRAS Contributions (1969-97), Central Council for Research in Ayurveda and Siddha, New Delhi.	1999



S. No.	Title of the Book	Year of Publication
5	<b>Indian Institute of History of Medicine- Activities and Achievements,</b> Central Council for Research in Ayurveda & Siddha, New Delhi.	2001
6	<b>Āyurveda cikitsa mariyu sāmānya gṛhopacāramulu.</b> (Translated from English to Telugu). Translated from English to Telugu by Narayana A. and Vidya Sagar M., edited by Lavekar G.S. and Narayana A., Āyurveda cikitsa mariyu sāmānya gṛhopacāramulu (Hand book of Domestic Medicine and Common Ayurvedic Home Remedies), Central Council for Research in Ayurveda and Siddha, New Delhi.	2005
7	<b>Āyurvedika davāeṁ aura āma gharelu elāja.</b> (Translated from English to Urdu). Translated from English to Urdu by Momin Ali, edited by Lavekar G.S. and Narayana A., <i>Āyurvedika davāeṁ aura āmagharelu elāja</i> (Hand book of Domestic Medicine and Common Ayurvedic Home Remedies) Central Council for Research in Ayurveda and Siddha, New Delhi.	2007
8	<b>Maharsi Charaka.</b> Maharsi Charaka, edited by Indulata Das, Central Council for Research in Ayurvedic Sciences, New Delhi and Academy of Yoga and Oriental Studies, Bhubaneswar.	2013
9	<b>Research Publications in Ayurvedic Sciences- Catalogue of Research information on Ayurveda and Related Sciences.</b> Abhimanyu Kumar, Padhi M.M., Narayana A., Srikanth N., Venkateswarlu B., Sridevi V., Saketh Ram T., Bharathi K., Prasad G.P., Singh S., Sruthi Khanduri and Verma S.C., Research Publications in Ayurvedic Sciences- Catalogue of Research information on Ayurveda and Related Sciences, Central Council for Research in Ayurvedic Sciences, New Delhi.	2015



**Fig. 18. SOME OF THE BOOKS PUBLISHED UNDER  
LITERARY RESEARCH PROGRAM**



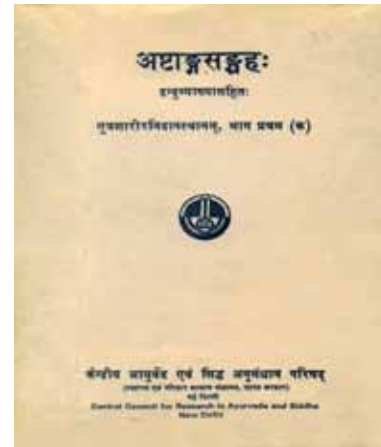
Bhelasamhitā (1974).



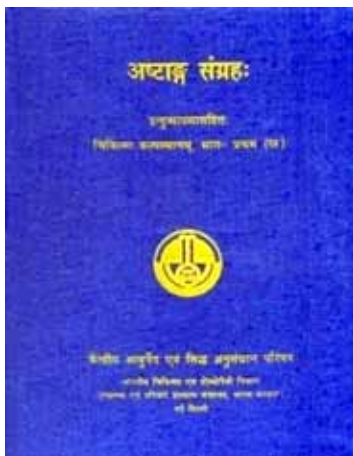
Aṣṭāṅgasaṅgraha, Uttarasthāna, Part-II, (1988).



Śabdacandrikā (1989).



Aṣṭāṅgasaṅgraha, Sūtra, Śārīra and Nidānasthāna, Part- IA (1991).



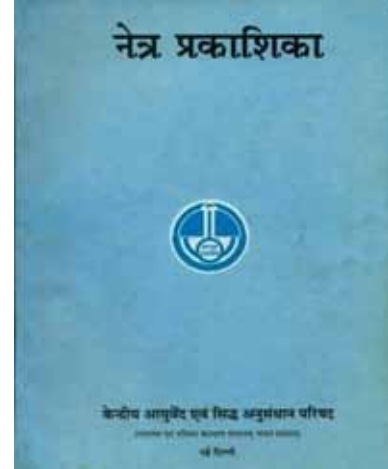
Aṣṭāṅgasaṅgraha, Cikitsā and Kalpasthāna, Part- IB  
(1998).



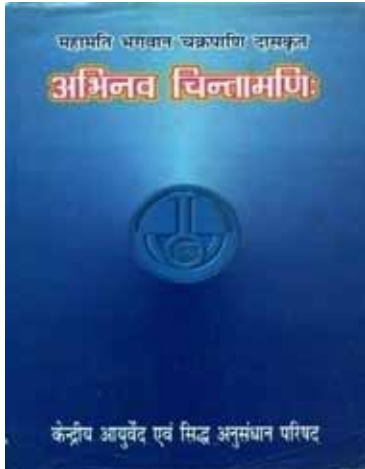
Dhanvantari Sāra Nidhi (1999).



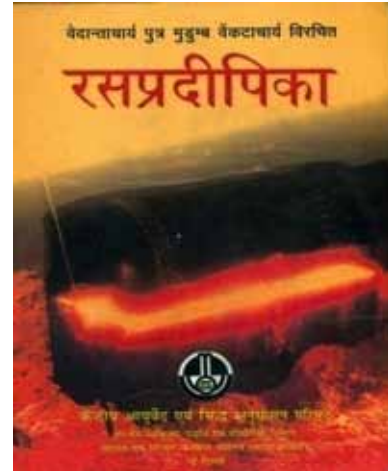
Netraroganidānam (1999).



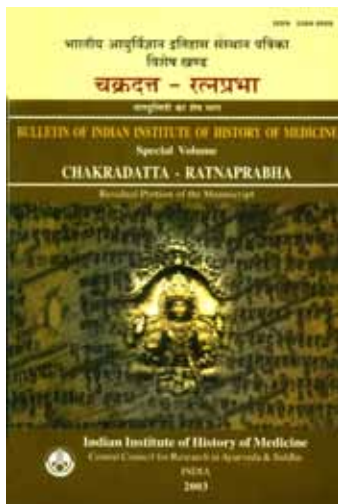
Netra Prakāśikā (1999).



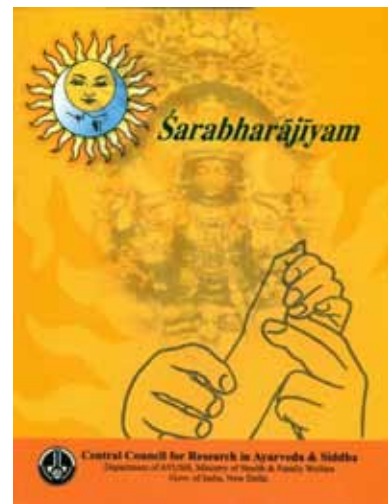
Abhinava Cintāmaṇi (1999).



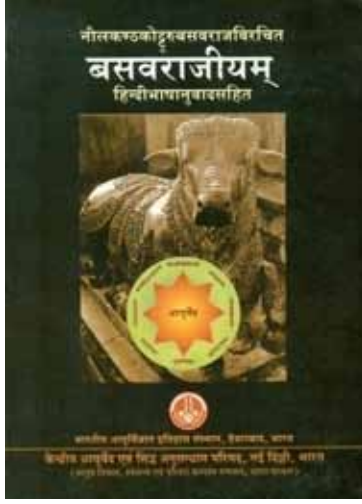
Rasapradīpikā (2001).



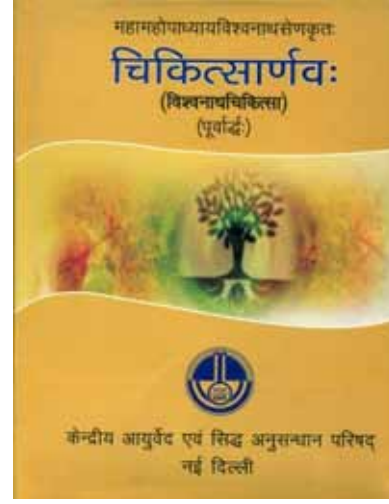
Cakradatta-Ratnaprabhā  
(Residual portion of the Manuscript) (2003).



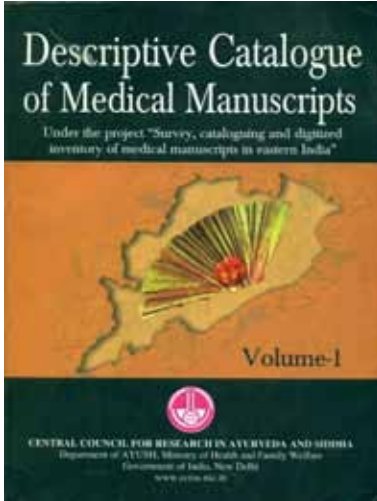
Śarabharājīyam (2007).



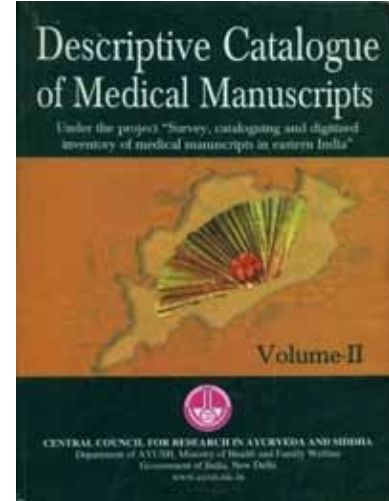
Basavarājīyam (2007).



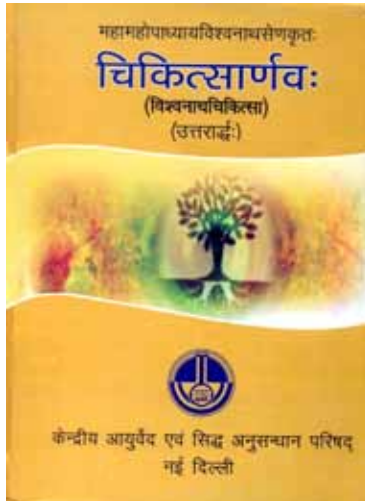
Cikitsāṛṇava (Viśvanāthacikitsā)Pūrvārdha (2009).



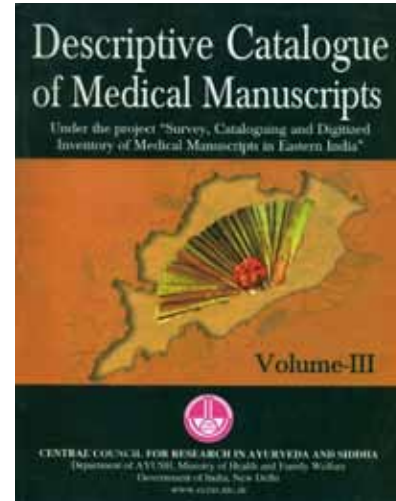
Descriptive Catalogue of Medical Manuscripts, Volume-I (2010).



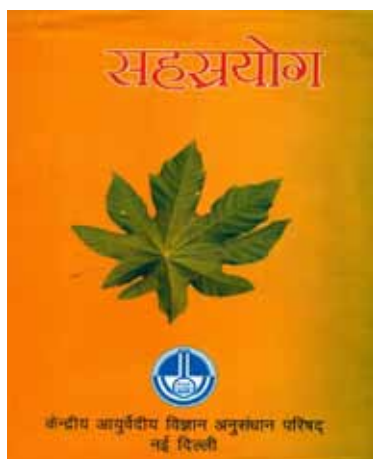
Descriptive Catalogue of Medical Manuscripts, Volume-II (2010).



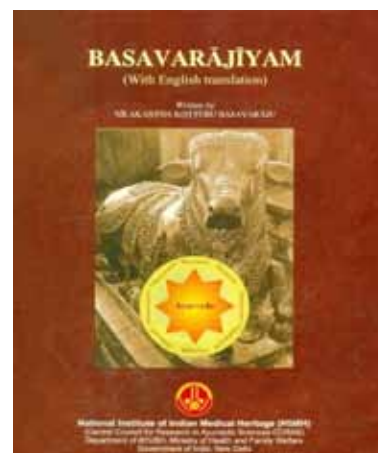
Cikitsāṛṇava (Viśvanāthacikitsā) Uttarārdha (2010).



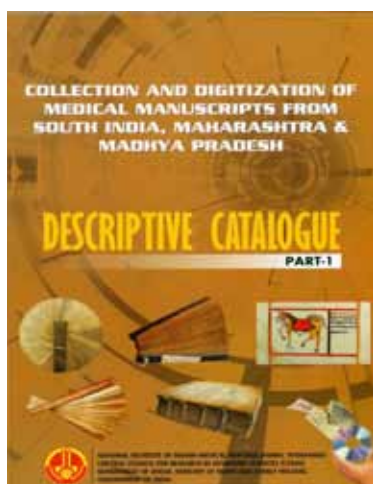
Descriptive Catalogue of Medical Manuscripts, Volume-III (2011).



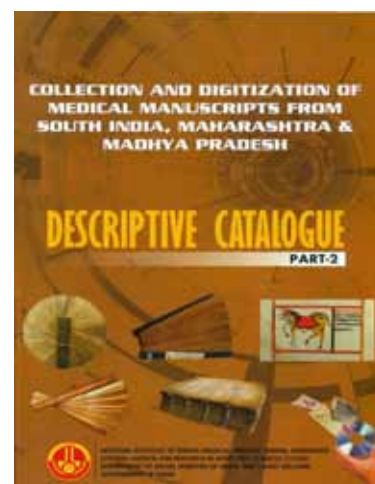
Sahasrayoga, 2011 (Reprint)



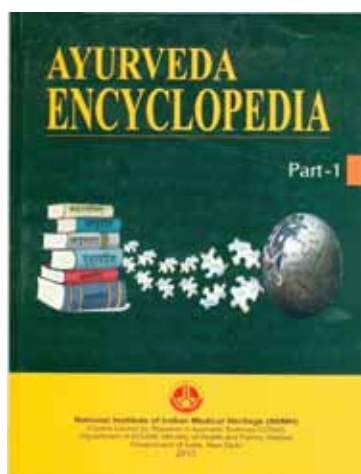
Basavarājīyam (2013).



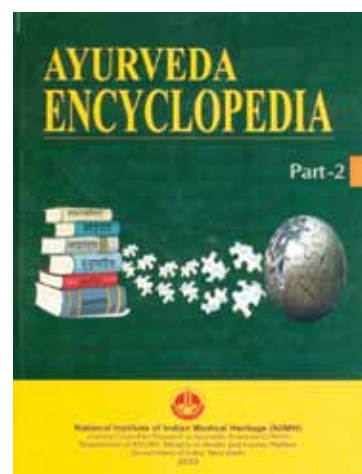
Collection and Digitization of Medical Manuscripts from South India, Maharashtra & Madhya Pradesh, Descriptive Catalogue, Part-1 (2013).



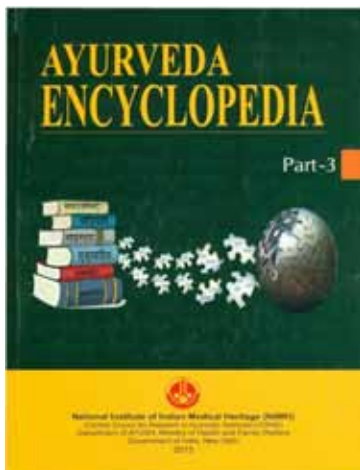
Collection and Digitization of Medical Manuscripts from South India, Maharashtra & Madhya Pradesh, Descriptive Catalogue, Part-2 (2013).



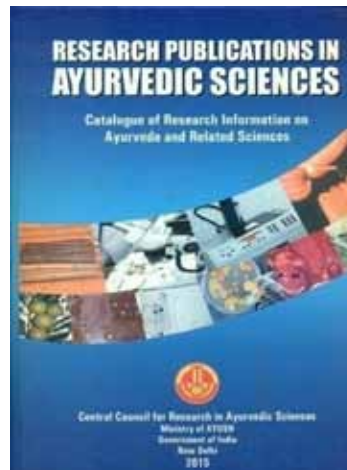
Ayurveda Encyclopedia, Part 1 (2013).



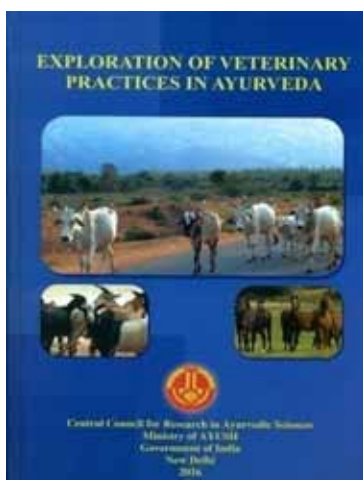
Ayurveda Encyclopedia, Part 2 (2013).



Ayurveda Encyclopedia, Part 3 (2013).



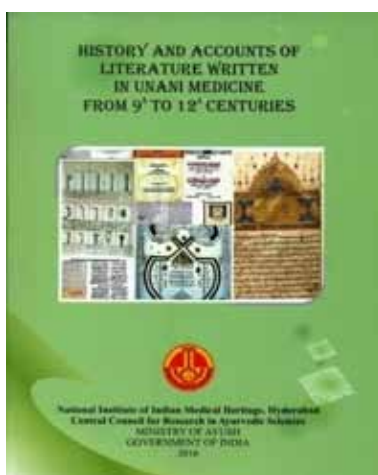
Research Publications in Ayurvedic Sciences (2015).



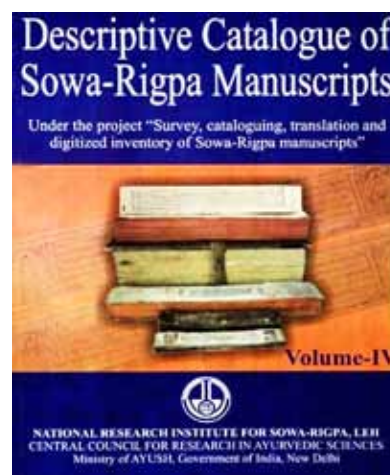
Exploration of Veterinary Practices in Ayurveda (2016).



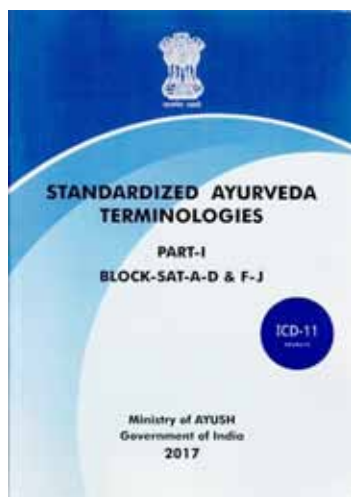
Śālākya Tantra- Āyurvedīya Netrarogavijñāna (2016).



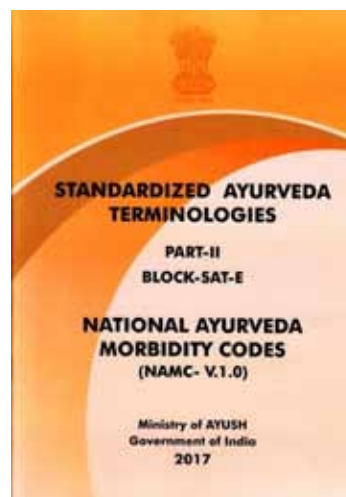
History and Accounts of literature originally written in Unani Medicine from 9<sup>th</sup>-12<sup>th</sup> century (2016).



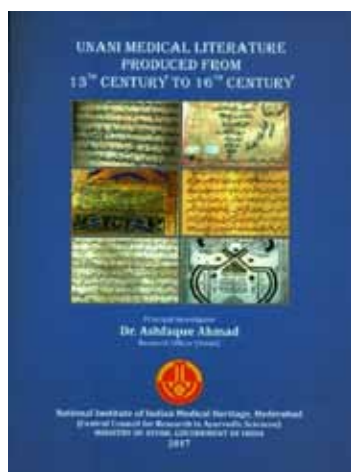
Descriptive Catalogue of Medical Manuscripts, Volume-IV (2016).



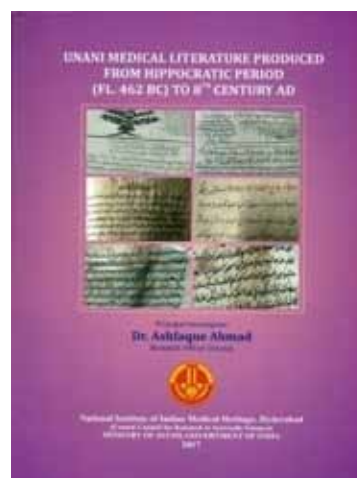
Standardized Ayurveda Terminologies Part I, Block-SAT-A-D & F-J (2017).



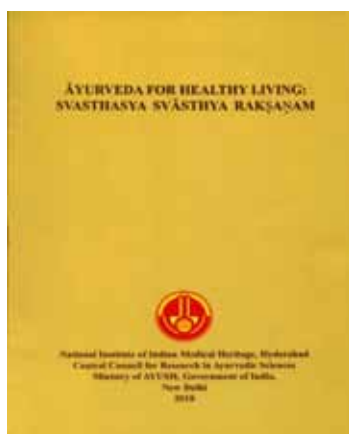
Standardized Ayurveda Terminologies Part II, Block-SAT-E (2017).



Unani Medical Literature produced from 13<sup>th</sup> Century to 16<sup>th</sup> Century (2017).



Unani Medical Literature Produced Hippocratic Period (FIL. 462 BC) to 8<sup>th</sup> Century AD (2017).



Ayurveda Healthy Living: Svasthasya svāthya rakṣaṇam (2018).

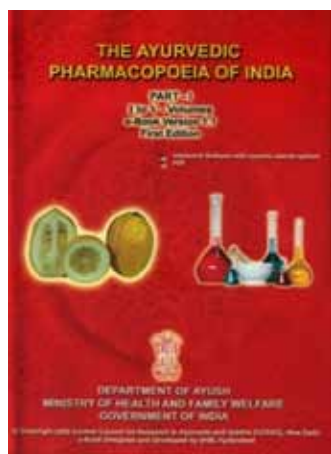




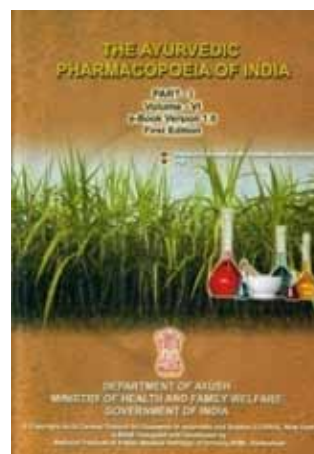
## 7.2. List of E-books Designed and Developed

S. No	Title	Year of Publication
1	The Ayurvedic Pharmacopoeia of India, Part I, Volume I-V.	2007
2	The Ayurvedic Formulary of India, Part I and II.	2008
3	The Ayurvedic Pharmacopoeia of India, Part II, Volume I (Formulations).	2008
4	The Ayurvedic Pharmacopoeia of India, Part II, Volume II (Formulations).	2008
5	The Siddha Pharmacopoeia of India, Part I, Volume I.	2008
6	The Ayurvedic Pharmacopoeia of India, Part I, Volume VI.	2010
7	Carakasamhitā with Cakrapāṇidatta's commentary - Multilingual e-Samhita with search option.	2010
8	Suśrutasaṁhitā with Dalhaṇa's & Gayadāsa's commentaries- Multilingual e-Samhita with search option.	2010
9	Mādhavanidānam with Madhukośa and Ātaṅkadarpaṇa commentaries, critical edition with exhaustive text variations- Multilingual e book with search option.	2012
10	e-Nighaṇṭu (collection of 25 Ayurvedic Lexicons) - e book with search option with phonetic English and transliteration in Devanagari, Telugu, Malayalam, Tamil, Gujarati, Kannada, Bengali, Gurmukhi, Diacritical and phonetic English.	2012
11	e-book- Hand book of Domestic Medicine and Common Ayurvedic Remedies [English version].	2012
12	Ayurveda Encyclopedia.	2013

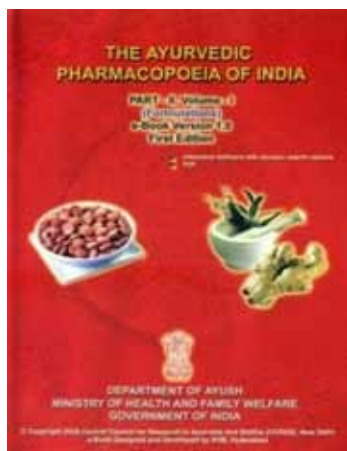
**Fig. 19. E-BOOKS OF DESIGNED AND DEVELOPED BY CCRAS**



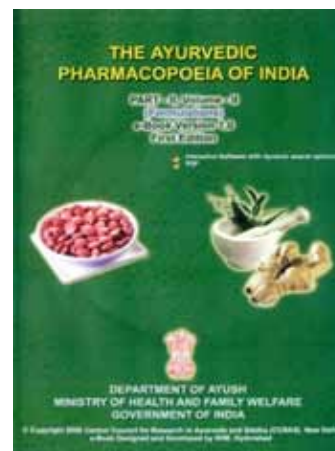
Ayurvedic Pharmacopoeia of India, Part I, Volume I-V (2007).



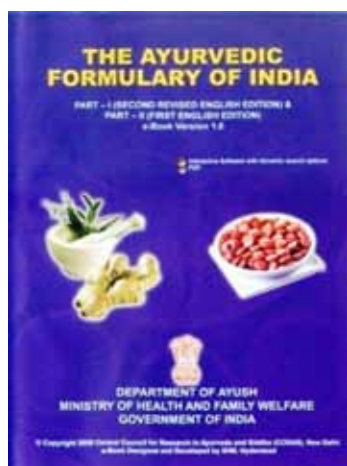
Ayurvedic Pharmacopoeia of India, Part I, Volume VI (2010).



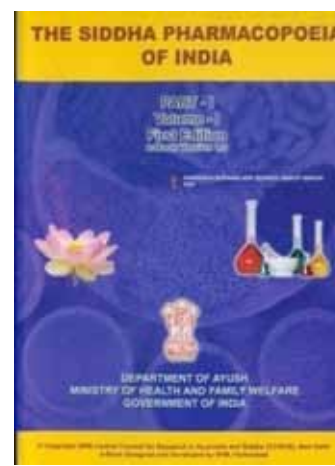
Ayurvedic Pharmacopoeia of India, Part II, Volume I-Formulations (2008).



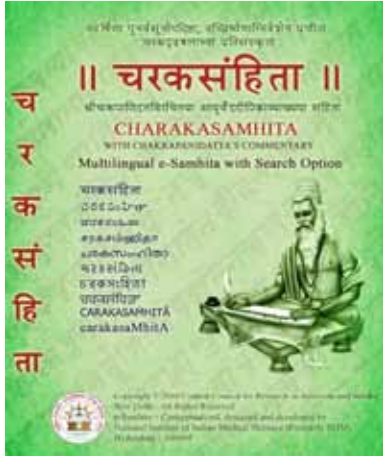
Ayurvedic Pharmacopoeia of India, Part II, Volume II-Formulations (2008).



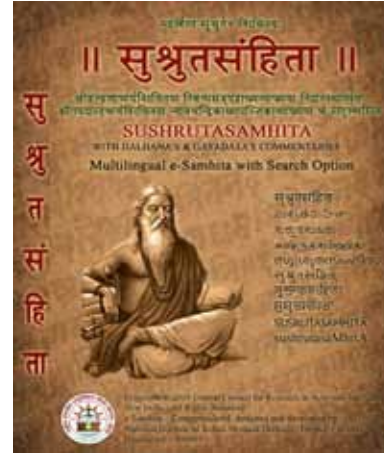
Ayurvedic Formulary of India, Part I and II (2008).



Siddha Pharmacopoeia of India, Part I, Volume I (2008).



e-Charakasamhita with Cakrapāṇidatta's commentary (2010).



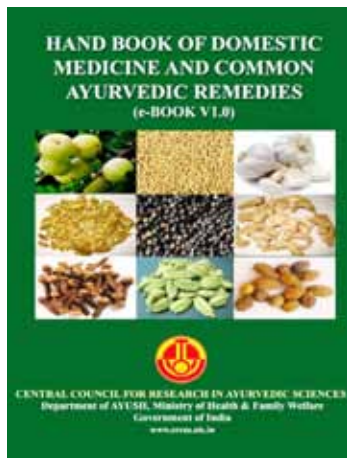
e-Suśrutasamhita with Dalhana's & Gayadāsa's commentaries (2010).



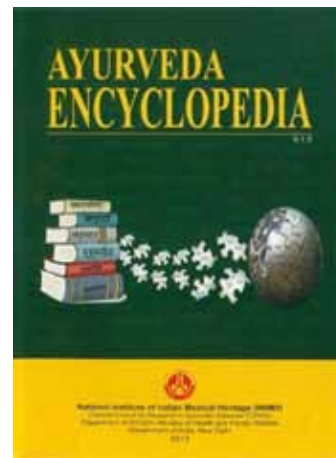
e-Mādhavanidānam with Madhukośa & Ātaṅkadarpaṇa commentaries (2012).



e-Nighaṅṭu - Collection of 25 Ayurvedic Lexicons (2012).



e-book- Handbook of Domestic Medicine and Common Ayurvedic Remedies (2012).



Ayurveda Encyclopedia (2013).



## 7.3 CCRAS JOURNALS

Journals have an important role in scientific and scholarly community. They usually act as a comprehensive, up-to-date and archival of knowledge of any scientific field. The outcomes of research studies carried out by the Council are being published in journals from time to time. The following three research journals are being published by the Council.

1. Journal of Research in Ayurvedic Sciences (JRAS)
2. Journal of Drug Research in Ayurvedic Sciences (JDRAS)
3. Journal of Indian Medical Heritage (JIMH)

These journals contain full-length original research articles and reviews on Ayurveda, Allied Sciences and other Traditional Systems of Medicine. JRAS and JDRAS publishes articles related Clinical Research in Ayurveda and Other AYUSH Systems of Medicine and also related Sciences like Botany, Pharmacognosy, Phytochemistry, Pharmacology, Ethnomedicine, Ethnobotany, Ethnopharmacology, Animal Experimentation etc. Whereas, JIMH is exclusively dedicated to Medico-historical studies in AYUSH Systems of Medicine, other traditional medicines and Biomedicine.

### 7.3.1 Journal of Research in Ayurvedic Sciences (JRAS)

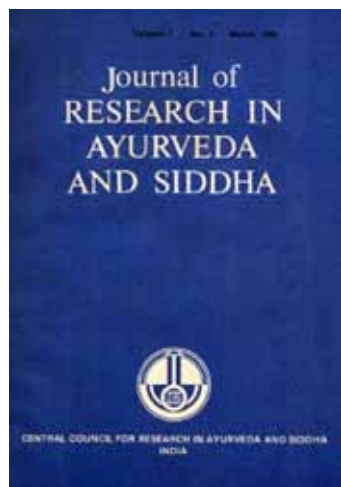
Journal of Research in Ayurvedic Sciences previously known as Journal of Research in Ayurveda and Siddha, is a peer-reviewed journal dedicated to Research in Ayurveda. The Journal publishes editorials, original articles, case studies and reviews, technical reports of projects, correspondence, book reviews etc., pertaining to Ayurveda, Allied Sciences and other AYUSH Medical Systems with special focus on Original and Review Articles on the following:

- Clinical Research focusing on Clinical safety and Efficacy.
- Fundamental Research on various aspects viz. diagnosis and development of diagnostic tools, disease course and disease management based on Ayurvedic concepts.
- Health promotion and preventive medicine.
- Studies on Health Seeking Attitude and Medico-Social aspects including medical anthropology.
- Health Systems Research with focus on Ayurveda and Traditional medicine.
- Epidemiological studies and health related demography.
- Development of methodologies of Clinical Research Related to Ayurveda and Traditional Medicines.
- Pharmacovigilance and Pharmaco-epidemiology.
- Integrative Medicine.
- Any other areas of related field etc.

‘Journal of Research in Ayurveda and Siddha’ has been published in 37 volumes with 148 issues from 1980 to 2016; and from 2017 onwards the journal is renamed as ‘Journal of Research in Ayurvedic



Sciences' and available in Print and Electronic version. As on February 2019, there are about 841 articles published in JRAS.



Journal of Research in Ayurveda and Siddha (1980)



Journal of Research in Ayurvedic Sciences (2017)



e- Journal of Research in Ayurvedic Sciences (2017)

**Fig. 20. Journal of Research in Ayurvedic Sciences**

### 7.3.2 Journal of Drug Research in Ayurvedic Sciences (JDRAS)

Journal of Drug Research in Ayurvedic Sciences previously known as Bulletin of Medico-Ethno-Botanical Research and Journal of Drug Research in Ayurveda and Siddha is a peer reviewed journal dedicated to Research in Ayurveda. The journal publishes Editorials, Original articles, Review articles, Research articles, correspondence, book reviews etc. pertaining to Drug Research with special emphasis on Ayurveda and Allied Sciences in the following areas:

- Drug development and Pharmaceutical Research in Ayurveda (Dravyaguna, Rasa Shastra and Bhaishajya Kalpana etc.)
- Fundamental and Applied aspects of Drug Research in Ayurveda.
- Phytochemistry, Quality Control and Drug Standardization including Pharmacognosy.
- Pharmacology/Toxicology Research.
- Biochemistry, Molecular Biology and Biotechnology.
- Local Health Traditions (LHTs/ Folk Medicine/ Ethno-Medicine).
- Medicinal Plant Research (Medico-Ethno Botanical Survey and Cultivation of Medicinal Plants).
- Any other areas of related field etc.

The Journal 'Bulletin of Medico-Ethno-Botanical Research' (BMEBR) has been published successfully from 1980 to 2005 in 26 volumes with 104 issues; and from 2006 onwards, the journal is published with the title 'Journal of Drug Research in Ayurveda and Siddha' and subsequently renamed

as 'Journal of Drug Research in Ayurvedic Sciences' in 2015. As on February 2019, there are about 672 articles published in JDRAS.



Bulletin of Medico-Ethno-Botanical Research (1980)



Journal of Drug Research in Ayurveda and Siddha (2006)



Journal of Drug Research in Ayurvedic Sciences (2017)



e-Journal of Drug Research in Ayurvedic Sciences (2018)

**Fig. 21. Journal of Drug Research in Ayurvedic Sciences**

### 7.3.3 Journal of Indian Medical Heritage (JIMH)

Journal of Indian Medical Heritage (JIMH) is previously known as Bulletin of the Institute of History of Medicine; Bulletin of the Indian Institute of History of Medicine and Journal of Indian Institute of History of Medicine, is a peer reviewed journal which publishes Medico-Historical Studies on AYUSH Systems of Medicine, Biomedicine and other Traditional medical systems across the world. The journal publishes full length research and review articles pertaining to and abroad in following areas:

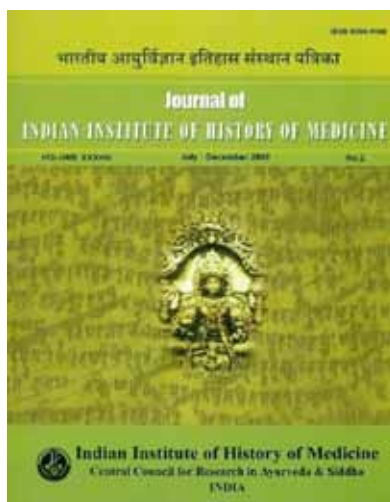


- Articles pertaining to History of Medicine in India.
- Fundamental concepts/ Research of AYUSH systems of the Medicine.
- Articles pertaining to Literary Research.
- Medical Geography.
- Health Systems Review.
- Medical Ethics.
- Social aspects of Medicine.
- Knowledge Aptitude, Perspective/Practice (KAP) studies.
- Miscellaneous like News and notes of medico-historical activities in India and abroad.

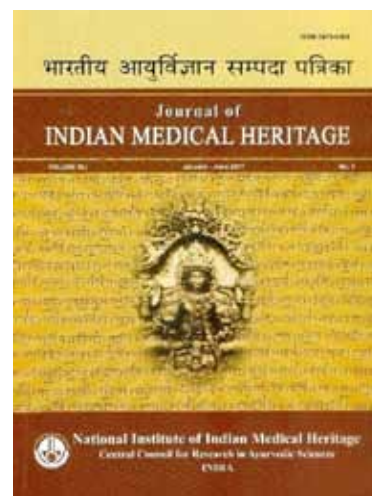
Initially, the Journal published with the title 'Bulletin of the Institute of History of Medicine, Hyderabad' from 1971-1973. From 1974, the journal is renamed as 'Bulletin of the Indian Institute of History of Medicine' and published successfully till 2006. Afterwards, the journal is published with the title 'Journal of Indian Institute of History of Medicine' in the year 2007 and 2008. Since 2009 onwards, the Journal is being published with the title 'Journal of Indian Medical Heritage.' As on February 2019, there are about 600 articles published in 41 volumes. Apart from research/ review articles, the Journal publishes Reprints; National and International medico-historical news and notes; Book reviews and Conference reports concerned with AYUSH Systems, Medical history, Sanskrit etc.



Bulletin of the Institute of History of Medicine (1971)



Journal of Indian Institute of History of Medicine (2008)



Journal of Indian Medical Heritage (2011)

**Fig. 22. Journal of Indian Medical Heritage**



**National Institute of Indian Medical Heritage, Hyderabad**



**CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES**

**Ministry of AYUSH, Government of India**

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