



SAVITRIBAI PHULE PUNE UNIVERSITY
(Formerly University of Pune)

AYUSH Research for New India: Vision and Strategies

A National Symposium organized by
The Center for Complementary and Integrative Health
Interdisciplinary School of Health Sciences
Savitribai Phule Pune University

August 4, 2017



We wish to recognize
seminal contributions of
Late Dr Sharadini Dahanukar
to research in Ayurveda and
dedicate this symposium to
mark her 15th death anniversary.

Agenda

Inaugural Function

- 9.00 am - 9.30 am **Morning Ragas**
- 9.30 am - 10.30 am **Welcome** – Prof Anita Kar, Director, ISHS and Prof Bhushan Patwardhan, Director, CCIH
- Inaugural Plenary** -
Dr Soumya Swaminathan,
Secretary, Department of Health Research and Director General, ICMR
- Dr Rajesh Kotecha,
Special Secretary Ministry of AYUSH
- Presidential remarks** - Prof Nitin Karmalkar,
Vice Chancellor, SPPU
- Vote of thanks**

- 10.30 am - 11.00 am **Tea**

National Consultation (Session 1)

- 11.00 am - 1.00 pm **AYUSH Research for New India: Vision and Strategies**
- Participants will be working in five thematic groups. Draft discussion notes for each theme prepared in advance through a consultative mechanism will be shared with all participants to enable them to offer specific suggestions during the session.
- National Health Policy Highlights for AYUSH Research
 - National Priorities for AYUSH Research
 - Strategies for Research Capacity building
 - Research Strategies for AYUSH in Public Health
 - Strategies for Integrative Research and Translation

- 1.00 pm - 2.00 pm **Lunch and informal interactions**

National Consultation (Session 2)

- 2.00 pm - 4.00 pm **AYUSH Research for New India: Vision and Strategies**
- This session will be common for all participants. Each of the five groups will make short presentations followed by discussions. A composite document will be prepared for adoption by the assembly.
- 4.00 pm - 4.30 pm **Conclusion**

National Symposium

Advancements in medical sciences and technology have revolutionized health care delivery. However, availability, accessibility, affordability and acceptability of quality health care still remain major challenges. It is crucial to attempt appropriate balance between disease prevention, health promotion and medical treatment. Globally, a holistic view of health care and prevention strategies has been gaining recognition. India has a rich tradition of indigenous health systems- Ayurveda, Yoga, Unani, Siddha, Sowa Rigpa along with Naturopathy and Homeopathy in active practice. These AYUSH systems have the potential to play an important role in public health, hitherto undermined.

Currently there is a highly receptive environment in the country and National Health Policy 2017 strongly emphasizes mainstreaming the potential of AYUSH. The Honorable Prime Minister's vision for 'New India' endeavoring to empower the youth, women and poor is indeed laudable. AYUSH systems can play an important role in realizing the dream of New India by providing quality healthcare and medical care to its citizens. Many reforms are already underway at the Ministry of AYUSH. This is a very opportune time to envision the role and potential of AYUSH research for healthy New India. It is crucial at this time for the AYUSH stakeholders in India to develop an appropriate vision and strategy towards addressing health needs of the New India. Hence the CCIH is making a modest effort in this direction. This symposium titled 'AYUSH Research for New India: Vision and Strategies' is organized as a national consultation.

AYUSH Research for New India: Vision and Strategies

The symposium participants will be invitees from AYUSH stakeholders including eminent thought leaders, policy makers, scientists, and academicians. A set of thoroughly prepared discussion notes will form the focus for the deliberations. These notes will critically review the current scenario and speculate potential role of AYUSH in national health priorities, thematic areas, research approaches and capacity building. The symposium will deliberate appropriate strategies and translation of AYUSH interventions in mainstream health care delivery. The symposium will stimulate scientific debate to reach a national consensus on the vision and strategies for AYUSH research for New India.

Proposed Expert Groups and Themes (Alphabetical order starting with first name)

National Health Policy Highlights for AYUSH Research

- Shri Ajit Sharan, Ex-Secretary, Ministry of AYUSH, New Delhi
- Dr B N Gangadhar, Director NIMHANS, Bengaluru
- Prof Darshan Shankar, Trans Disciplinary University, Bengaluru
- Dr H R Nagendra, SVYASA University, Bengaluru
- Dr Manoj Nesari, Advisor, Ministry of AYUSH, New Delhi
- Dr Narendra Bhatt, Indian Association for Study of Traditional Asian Medicine, Mumbai
- Dr Rajesh Kotecha, Special Secretary, Ministry of AYUSH, New Delhi
- Shri Ranjit Kumar, Joint Secretary, Ministry of AYUSH, New Delhi
- Ms Shailaja Chandra, Ex-Secretary, Dept of ISM&H (AYUSH), New Delhi
- Dr Soumya Swaminathan, Secretary Department of Health Research and DG ICMR, New Delhi
- Prof T C James, Research and Information System for Developing Countries, New Delhi
- Dr V M Katoch, Former Secretary, DHR and DG ICMR, New Delhi

Facilitators: Dr P M Unnikrishnan, United Nations University; Dr Girish Tillu, CCIH, Pune

National Priorities for AYUSH Research

- Dr Ashok Vaidya, Research Director, Kasturba Health Society-Medical Research Centre, Mumbai
- Dr Arvind Chopra, Director, Center for Rheumatic Diseases, Pune
- Dr Debprasad Chattopadhyay, Director, ICMR-National Institute of Traditional Medicine, Belgavi
- Prof K Sathyamoorthy, Director, School of Life Sciences Manipal University, Manipal
- Prof Kalpana Joshi, Head, Biotechnology, Sinhgad College of Engineering, Pune
- Dr Nirmala Rege, Professor, G S Medical College and KEM Hospital, Mumbai
- Prof P Kondaiah, Scientist, Indian Institute of Science, Bengaluru.
- Dr Ram Vishwakarma, Director, Indian Institute of Integrative Medicine, Jammu
- Dr Rama Jaysundar, All India Institute of Medical Sciences, New Delhi
- Prof S P Thyagarajan, Sri Ramachandra University, Chennai
- Dr S S Handa, Former Director, RRL, Jammu
- Dr Passang Topchen, Central Council of Tibetan Medicine, Dharamsala

Facilitators: Dr Uma Chandran, CCIH, Pune; Dr Supriya Bhalerao, IRSHA, Pune

Strategies for Research Capacity Building

- Prof Bhushan Patwardhan, Director CCIH, SPPU, Pune
- Dr Jayant Deopujari, Ayurveda Physician, Nagpur
- Prof K S Dhiman, DG CCRAS, New Delhi
- Prof M S Baghel, Professor of Ayurveda, Jaipur
- Prof Pawan Kumar Godatwar, Professor, National Institute of Ayurveda, Jaipur
- Prof R H Singh, Professor Emeritus, Banaras Hindu University, Varanasi
- Prof Sanjeev Rastogi, Professor, Govt. Ayurveda College, Lucknow
- Prof Sharad Deshpande, Former Tagore Chair Professor, IAS, Shimla
- Prof Tanuja Nesari, Professor, All India Institute of Ayurveda, New Delhi
- Prof Vishnu Joglekar, Professor of Ayurveda, Pune

Facilitators: Dr Sriranjini Jaideep, MSRISA, Bengaluru; Dr Kishor Patwardhan, BHU, Varanasi

Research Strategies for AYUSH in Public Health

- Dr Aarti Nagarkar, Asso. Professor, ISHS, SPPU, Pune
- Prof Anita Kar, Director, ISHS, SPPU, Pune
- Dr Abhay Kudale, Asst. Professor, ISHS, SPPU, Pune
- Dr D C Katoch, Advisor, Ministry of AYUSH, New Delhi
- Dr Khalid M. Siddiqui, Former Dy Director, Central Council for Research in Unani Medicine, New Delhi
- Prof M D Gupte, ICMR Chair in Epidemiology, Pune
- Prof R K Mutatkar, The Maharashtra Association of Anthropological Sciences, Pune
- Dr Rajesh Dikshit, Scientist, ACTREC, Mumbai
- Dr N Satya Lakshmi, Director, National Institute of Naturopathy, Pune
- Dr Suresh Jungari, Asst. Professor, ISHS, SPPU, Pune
- Dr Umesh Pagade, Assistant Director AYUSH, Maharashtra State, Mumbai

Facilitators: Dr Sarika Chaturvedi, CCIH, Pune; Dr Bharat Randive, Johns Hopkins University; Dr Nilangi Sardeshpande, Pune

Strategies for Integrative Research and Translation

- Dr Angeline Jeyakumar, Asst. Professor, ISHS, SPPU, Pune
- Dr Ashwinikumar Raut, Director, Kasturba Health Society-MRC, Mumbai
- Dr C K Katiyar, CEO Healthcare Emami Ltd, Kolkata
- Dr DBA Narayana, Former Executive Hindustan Unilever, Bengaluru
- Dr G G Gangadharan, Director, M S Ramaiah Indic Centre for Ayurveda, Bengaluru
- Dr Lal Hingorani, CMD, Pharmanza Herbals, Vadodara
- Dr Manish Gautam, Scientist, Serum Institute of India, Pune
- Prof Pulok Mukherjee, Professor, Jadavpur University, Jadavpur
- Dr Rama Vaidya, Reproductive Endocrinologist, Kasturba Health Society-MRC, Mumbai
- Shri Ranjit Puranik, CEO, Shri Dhootpapeshwar Ltd., Mumbai
- Dr Sunil Gairola, Scientist, Serum Institute of India, Pune
- Dr Urmila Thatte, Professor and Head, Clinical Pharmacology, SGSMC and KEMH, Mumbai

Facilitators: Dr Santosh Dixit, Prashanti Cancer Care Mission; Dr Geetha Krishnan, Medanta, New Delhi, Hrishikesh Ranganeekar, Pune

Background

Interdisciplinary School of Health Sciences (ISHS) at the Savitribai Phule Pune University is engaged in training and research in public health. Over two decades, this department has contributed to research and development activities in the AYUSH sector especially in public health, bioprospecting, Ayurvedic biology, Informatics and scientific publishing. The Center for Complementary and Integrative Health (CCIH) has been recently established by the University at ISHS to foster high quality scientific research, training, capacity building, policy analysis, advocacy, networking and translation for strengthening AYUSH systems with a vision to contribute to public health. In recognition of the work in integrative and complementary health, the Ministry of AYUSH has awarded a Center of Excellence (CoE) to ISHS to strengthen interdisciplinary studies with a focus on preclinical research. The CoE pilot project on development of therapeutic adjuvants involves

IISER, NCCS, Serum Institute of India Pune, and Manipal University from India as well as MSKCC and NIH/NCI as collaborators from the USA.

The CCIH as University Center is hosting all the activities of the CoE. The Center will organize academic programs, build research network, initiate research in non-communicable diseases, facilitate human resource development, and meta-research as per the mandate of AYUSH CoE. Additionally, the Center has received a grant for human resource development from the Department of Health Research, Ministry of Health and Family Welfare. Through this award, the center will execute a national level transdisciplinary research fellowship program in integrative medicine. The fellowship is to address development of human resources through collaborative endeavors between ancient and modern medical knowledge systems.

Center of Excellence for Preclinical Research

Ministry of AYUSH has awarded a grant for Center of Excellence to ISHS that aims to build collaborative research network of premium institutes from India and abroad for strengthening research in AYUSH, to demonstrate value of Ayurveda based therapeutic adjuvants in management of NCDs, to facilitate human resource development and to develop strategies based on policy and analysis.

Collaborators in this Center - Serum Institute of India Ltd (SII), National Center for Cell Sciences (NCCS), Indian Institute of Science Education and Research (IISER), Pune; Manipal University's School of Life Sciences (MUSLS), Manipal; National Cancer Institute (NCI) of National Institutes of Health (NIH), USA; and Memorial Sloan Kettering Cancer Care Center (MSKCC), USA.

Transdisciplinary Research Fellowship in Integrative Medicine

For creating a new research cadre for 'New India', a novel human resource capacity building initiative of CCIH is supported by Dept. of Health Research, Govt of India. It has a uniquely designed transdisciplinary curriculum for faculty /

scientist from AYUSH and biomedicine. It provides a three month on campus fully supported national fellowship at CCIH including Integrative Research project and eligibility for startup grants.



The proceedings of this symposium along with the vision and strategy document will be published in the Journal of Ayurveda and Integrative Medicine (Elsevier).

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