

# IASTAM

INDIA

## NEWSLETTER

\*Vol : II \*Issue : 4 \*March 2018 (Monthly) \*Price : Rs. 6/- \*Page 8 \*Pune

### Connecting Systems; Bridging Disciplines

○ Ayurved ○ Yoga ○ Unani ○ Siddha ○ Asian Medicine ○

International Conference on  
**“Challenges for Global Competitiveness  
 of AYUSH and Natural Products”**  
 and  
**IASTAM Oration &  
 Award Function – 2018**  
 February 2-4, 2018

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## PRE NOTE

### Cross Faculty Learning and Need for New Pharmaceutical Courses for AYUSH & Natural Products

*Dr. Narendra Bhatt*

Quality and costs of medical care are issues of global concerns. CAM as referred internationally and AYUSH as in India are expected; and have potential to play an important role. The present government is much committed to develop AYUSH Systems. However, I am reminded of the famous Scottish proverb 'If Wishes Were Horses, Beggars will Ride'. The responsibility is not only of the administration but also, with us as citizens, as professionals and as scientists. The role of AYUSH cannot be only of secondary skilled human resource. It will not help. Blind increase of jacketed institutionalization without objectivity of learning will not provide solutions. India has suffered due to lack of cross faculty learning and growing; that has affected our innovativeness, which has limited our capabilities, that has limited our adaptability to new technologies, and that has restricted our reach. *It has impacted our global competitiveness.* What is needed is **meaningful integration based on true spirit of scientific enquiry** with an objective to develop modalities that will help create health care delivery tools to provide safe and effective care at lower cost.

Maybe the unique recognized pluralistic structure of our health care has helped to maintain the ethos of each of the system but it has also compromised its capabilities to deliver. There is urgent need to bridge scientific disciplines. Pharmaceutical sciences and food technologies can contribute significantly to bridge the gaps experienced by the professionals and consumers; and can take up challenges of standardization and validated care. Pharmaceutical sciences, I firmly believe have most significant role to help AYUSH Systems to connect with consumer and to take on challenges of standardization and validation, and to develop into evidence based institutionalised medicine with its own globally competitive products and AYUSH industry.

**The most important issue that is faced by AYUSH systems is that of quality.** Though the quality as a concept is relevant to the AYUSH systems as a whole to achieve the quality of AYUSH products within the realms of the principles of the systems is the biggest challenge. With now available advances in bio technology and nanotechnology, pharmaceutical science has the most pivotal role to play. Newer and novel modalities for integration are the only

solutions. Consumer compliance and developmental activities are necessary to industrialisation and institutionalised health care. Role of advances in bio technologies or nanotechnology have potential to protect holistic nature of traditional products. AYUSH and natural products will be required to be developed into modern dosage forms for such a rendezvous.

A need was always felt and efforts were made over last several decades to develop courses that will help use of pharmaceutical sciences for development of Ayurvedic products. These initiatives were taken by Ayurvedic University and academic institutes. Interesting, during last decade several pharmaceutical colleges or institutes have also made efforts to frame short term diploma or certificate courses to provide expertise in the field of herbal technologies or natural product development.

*The outcome of these efforts though encouraging and marginally helpful to the industry have not evolved into a regular and reliable source of skilled human resource either for industry or for enhanced development of the sector or to attract new talent.*

Being involved with industry for a prolonged period and having been a referee examiner to post-graduate examinations of both pharma and Ayurvedic courses I have also been witness to some of these efforts. It is noteworthy that the want of specially qualified and trained personnel for AYUSH and natural products has amplified for various reasons and requirements. I remember of being asked to make a presentation to a parliamentary committee to discuss need of qualified personnel for the sale of Ayurvedic products in line with that of pharmacists as followed for medicinal products. Obviously, the proposal at that time was neither realistic nor feasible. However the issue of quality and safety of AYUSH products and its rational use has remained unattended. While both, the sector and the administration remain undaunted the issue is becoming bigger and complex.

*The disappointment is due to failure of the post graduate courses to satisfy tangible needs. These courses were developed within the framework or as an extension of existing educational program either within Ayurvedic or pharmaceutical systems. Evolving methods to carve out a new path with properly defined roadmap are essential elements of any cross faculty needs or integration of two*

knowledge systems.

***With eclectic requirements there is need for such a syllabus*** that will not only help to update with present day needs and technologies but that will recognise the basic tenets of the knowledge based system and will provide a systematic method to adapt to the newer advances in pharmaceutical sciences. Identifying integrative needs and developing well defined tools of training for such a course will be the key to success of such advanced course. Such a course will not only attract talent but will be looked after by industry and research institutes to further their developmental and quality activities.

The initiative by Prof. Ramesh Goyal, the Vice chancellor at DPSRU has potential to offer a trendsetting initiative of such a post graduate syllabus. At the brainstorming session held in Delhi it was satisfying to observe that the process that has been initiated is sensitive to earlier happenings and is eager to move in a step wise fashion. As I mentioned at the session what not to do is essential to overcome chances of failure experienced earlier.

A comprehensive look for facilities and requirements of training tools and the framework and basis of course curriculum in itself will be a major challenge. It needs to be in line with present day requirement of research. It will also be desirable that the proposed syllabus and system be framed in such a way to keep it dynamic in nature.

***An important point that surfaced at the session is lack of enthusiasm for taxonomical and pharmacognostic studies.*** Similarly, the lack of ability of Ayurvedic professionals, unlike earlier days, to recognize medicinal plants of use were discussed. The experts felt an urgent need for revival of interest in these disappearing methods of knowledge.

***The Delhi event was unique for integration of AYUSH and Pharmaceutical sciences to help to consider a path of integration for global competitiveness.*** I am happy that IASTAM once again played an important role to bridge two different disciplines. This event has given new ideas, approaches, and development and helped to address the purpose of system and science.

*This has been a great experience to work with Prof. Goyal for productive outcome. We look forward to further consultative meets to further this agenda.*



Contributed by Dr. Manasi Deshpande, IASTAM and Dr. Madhu Gupta, DPSRU

After successful organization of various National and International conferences, conclaves, symposia, discussions & debates, the *International Conference on “Challenges for Global Competitiveness of AYUSH and Natural Products”* along with the *IX IASTAM Oration and Award function 2018* was organised jointly by IASTAM India in association with Delhi Pharmaceutical Science and Research University on 2nd – 4th February 2018 at Delhi. The aim of the conference was *to undertake rationalized drug discovery program based on drugs of AYUSH or natural origin for the benefit of mankind. This was indeed a memorable event in the 38 years history of IASTAM- India.*

### INAUGURATION

The event was inaugurated by **Hon’ble Lt. Governor Shri Anil Bajjal and honoured the recipients of the oration awards.** Hon’ble Lt. Governor Shri Anil Bajjal emphasized on the role of herbal products as traditional medicines, global market of herbal products and potential of Asian medicine in economic development of country. He also mentioned that our country should establish the sustainable market for herbal product, and protection of IPR of traditional knowledge. He advised for the collaboration of the Universities with the “Biodiversity Park” for exploring further research and innovation in natural heritage. He also mentioned that Indian system of medicine has unique distinction of having six recognized systems which are Ayurveda, Siddha, Unani and Yoga, Naturopathy and Homeopathy which provides a platform to take initiative to bring together the Asian medicine to develop a roadmap for mutual benefits and complementary outcomes. Hon’ble Lt. Governor emphasized on need to encourage engagement of the University in terms of research with Asian medicines as “living traditions” and to promote its relevance to the contemporary world.

**Dr. Narendra Bhatt, President, IASTAM** in his address highlighted the activities of IASTAM which are aimed to provide a catalytic platform with a theme *‘Connecting Systems; Bridging Disciplines’* and the role played by the organization for development of the Asian medicinal system. He welcomed all awardees, speakers and guests at the conference each one of them, a committed worker to achieve excellence in

their own fields. He highlighted that Pharmaceutical sciences have most significant role to help AYUSH Systems to connect with consumer and to take on challenges of standardization and validation, and to develop reliable institutionalised medicine and AYUSH industry with its own globally competitive standards.

**Prof. R. K. Goyal, Vice Chancellor, DPSRU** mentioned that the conference is being attended by over 650 delegates, and more than 300 abstracts were received for oral as well as for poster presentations. He stated that the objective of the conference was to overcome boundaries, whether they are geographical or subject disciplines, ancient versus modern science and to deliberate on challenges faced in India for the promotion of traditional medicine practice. Dr. Goyal pointed out that a special session of conference was deliberated on the formation of syllabus in Ayurveda, Unani and Homeopathic pharmacy to raise the standards of the products from traditional medicines.

**Prof. V. M. Katoch, Secretary, Former Director General, ICMR and Guest of Honour** on the occasion enlightened the gathering about the role of herbal medicine in human health care system and recent innovations and trends in herbal product development. He also emphasized on standardization of treatment methods along with importance of role of quality assurance and pharmacogenomics in integrated medicine.

### ORATION AND AWARD FUNCTION

IASTAM India felicitated 11 distinguished personalities with 3 orations and 8 awards in different fields of excellence in indigenous systems of medicine; three IASTAM – BVU, National Ayurved Scholar Awards for Best Ph.D. and M.D. / M.S. academic research work at national level and three IASTAM - Baidyanath Awards for best research in Standardization, Technology Adaptation and Validation / Clinical Research on classical products.

### ORATION SPEECHES

The program started with the honoring of IASTAM oration awardee; *‘Growing Demand For Ayurveda In Europe Particularly In German Speaking Countries – Present Status And Future Challenges’* by **Mr. Mark Rosenberg**, European Academy of Ayurveda – REAA, Birstein, Germany, *‘Of Sledge Hammers And Synapses: Traditional Medicine In New Era Of*

*Biology*' by **Prof. (Dr.) Larry Walker**, University of Mississippi, USA and '*Natural Product Drug Driven Discovery: New Opportunities from New Biology*' by **Dr. Ram Vishwakarma**, Director CSIR- IIM, Jammu, India. This session was co-chaired by **Dr. Narendra Bhatt**, President, IASTAM - India and **Dr. C. K. Katiyar**, CEO Health Care (Technical), Emami Ltd.

### KEY NOTE LECTURES

**Dr. Ikhlas Khan**, *National Centre for Natural Products Research, USA*, in his talk mentioned that the use of herbal medicine has expanded globally and gained popularity, but the safety and efficacy as well as quality control of herbal medicines are matters of concern for both health authorities and the public. He also expressed the concern that Herbal product studies cannot be considered scientifically valid if the product tested was not authenticated and characterized and hence chemical standardization of starting material is very important. He also mentioned that "omics" technologies are promising new avenues for improving the discovery from this rich and vast reservoir of plant drugs. **Dr. Karan Vasisht**, *University Institute of Pharmaceutical Sciences, Punjab University, Chandigarh*, delivered talk on Applications of Modern techniques in herbal analysis. **Dr. Kishor Patwardhan**, *Faculty of Ayurveda, BHU, Varanasi* suggested policy interventions in the matters related to Ayurveda drug safety. **Prof. (Dr) Shridhar Dwivedi**, *Senior Consultant Cardiologist, National Heart Institute, New Delhi* delivered a talk on Holistic Approach to Prevent Current Pandemic of Non Communicable Diseases.

**Dr. Narendra Bhatt**, *Consultant - Research & Industry, CRIA Pvt. Ltd., Mumbai*, emphasized on need for combining modern day equipment and processes and use of nanotechnology and bio technology to integrate with the therapeutic principles inherent in classical dosage forms to develop AYUSH therapeutics of clinical relevance.

**Dr. D.B.A Narayana** *Former Director, Regulatory Affairs, Foods & HPC, Unilever Research, Bangalore* stated that stable botanical products with adequate quality specifications holds the key for future delivery of health care. **Dr. Jai Prakash** *Senior Principal Scientific Officer, Indian Pharmacopoeia Commission, Ghaziabad*, threw light on role of Indian Pharmacopoeia Commission in ensuring quality of herbal drugs while **Dr. Arun Gupta**, *Head – Medical Affairs & Clinical Research, Dabur R & D Centre* presented a regulatory overview of the herbal drug development.

**Prof. Anand Chaudhary**, *Faculty of Ayurveda, Institute of Medical Sciences, Banaras Hindu University* and **Prof. Kanchan Kohli**, *Head and Professor, Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard* highlighted role on Nano medicine in delivery of Ayurvedic and herbal formulations respectively.

### SCIENTIFIC SESSIONS

300 researchers presented their view on various aspects on traditional medicine. The awards for "**Best oral and poster presentations**" were distributed by the Chief Guest.

### PUBLICATION

A souvenir and abstract book of International Conference and IASTAM Orations was released.

### CULTURAL PROGRAMME

Students of DPSRU performed various cultural activities such as singing, dancing, and drama on various burning issues. The guests and delegates were fascinated by various performances.

### VALEDICTORY

**Prof. R. C. Deka**, erstwhile *Director of AIIMS*, delivered Valedictory address and appreciated the efforts of DPSRU and IASTAM for bringing together best brains in the country for deliberating on AYUSH and natural products. He opined that Universities are cradle of the scientific research and called upon University faculty to take up research in earnest. On this occasion, Guest of Honour, **Dr. Markanday Ahuja**, *Vice Chancellor, Baba Masthnath University* congratulated the participants on the successful completion of the conference and encouraged them to



### MESSAGE

*"The subject of the conference is extremely important for making AYUSH products acceptable all over the world and out traditional knowledge to be the basis of new medicinal products for the Preventive, Promotive, Curative and Recuperative aspects of health. Bharat, our mother land by using its traditional knowledge, must acquire the top position in the Association of Countries and lead the world in new health products that would be the best way to honour our ancestors who have been the pioneer in developing the systems of Ayurveda, Siddha, Yoga and Naturopathy. I wish all the delegates a very fruitful and rewarding participation in the function. I also convey my best wishes to all the award winners."*

**Shri Shekhar Dutt**,  
*Former Governor of Chattisgarh State ;  
Chairman, National Advisory Council, IASTAM - India*

use the knowledge acquired to bring positive changes to their society and nation.

**Dr Mahaveer Dhobi**, Organizing secretary, summarized the proceedings and outcomes of the conference. **Dr Raman Dang**, Registrar, DPSRU presented vote of thank

**OUT COME**

*Ayurveda, Siddha, Unani, Yoga, Naturopathy and Homeopathy provide opportunity platform for an*

*Indian initiative to bring together the Asian medicine to develop a roadmap for mutual benefits and global health care.*

*To develop 'Excellence for AYUSH and AYUSH products' it is necessary to integrate different disciplines of pharmaceutical sciences with traditional systems of medicine leading to globally acceptable safe, affordable and quality products for the benefit of the people.*



**Glimpses**



Mr. Mark Rosenberg



Dr. Larry Walker



Dr. Narendra Bhatt & Dr. C. K. Katiyar



Dr. Ram Vishwakarma



Delegates



**Scientific Poster and Oral Presentations**



Delegates



**Cultural Programme**



Dr. Ikhlas Khan



Dr. D. B. A. Narayana



Dr. Narendra Bhatt



Dr. Anand Chaudhary



Dr. Kishor Patwardhan



Dr. V. K. Kapoor



Delegates



Prof. R. K. Goyal



Dr. R.C. Deka



Dr. Raman Dang



Dr. Rajeev Tonk,  
Dr. Mahaveer Dhobi

IASTAM India is reinventing applications to be sent immediately

**A Fellowship in the Memory of Prof. P. J. Deshpande**

**Objective:** *To motivate young minds for innovation and novelty amongst Ayurveda graduate scholars.*

**Duration:** 6 - 8 Months;

**Financial Assistance:** Rs. 80,000/-

**Procedure:** *Submission of Application to IASTAM Office on prescribed format and Outline of the projects [Preferable as Brief knowledge, selection of topics, Aims – Objectives, Methodology, and probable outcome]. At the end of the fellowship applicants should provide final report of research activity.*

■ *Details available on website - [www.iastamindia.org](http://www.iastamindia.org)*

## OUR ASPIRATIONS

● Dr. Vandana Kozarekar provides a profile of

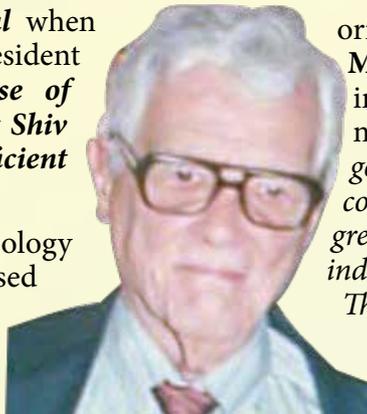
**Founder Secretary General of IASTAM, Prof. Charles Leslie (1923 - 2009)**

**An Anthropologist with interest in Asian Medical Systems**

Prof. Charles Miller Leslie's qualifications include a B.A, M.A. and a Ph.D. in Anthropology from the University of Chicago. Born in Arkansas, he served as a pilot in the American Army Air Corps in the Second World War.

He was the **first Secretary General** when Prof. Basham was the founder president of IASTAM. **After the early demise of both; Prof. A. L. Basham and Pandit Shiv Sharma, IASTAM grew under the efficient guidance of Prof. Leslie.**

Prof. Leslie's contribution to Anthropology was unparalleled. His publications focused on the study of Asian medical systems, especially Ayurved, Unani, and Chinese. His interest in Indian and Chinese culture and society



originated the idea of the book '**Asian Medical Systems**' (1976). In the introduction Leslie described Asian medical systems as "*formulated from generic physiological and cosmological concepts*", and added that while "*... great medical traditions were relatively independent, they evolved in similar ways. They all became professional branches of scientific learning in the millennium between the fifth century B.C. and the fifth century A.D.*"

In his book '**Paths to Asian Medical Knowledge**'; on medical pluralism, Prof. Leslie writes '*every system generates discontent with its limitations and a search for alternative therapies...Ayurveda, biomedicine, and other traditions of medicine provide different rhetoric or responsibility and different meanings of suffering. His article "Medical pluralism in world perspective", published in the journal Pluralism (1980) suggests that 'planners who want to encourage the utilization of traditional medicine in developing countries should learn more about the on-going nature of medical pluralism.'*

**He was a remarkable and influential social scientist whose theories and codes of practice provided an essential guide to future generations of medical anthropologists.** Inspired by Leslie's work many other medical anthropologists opted for research that led to anthropological concepts being popularized-some of which were medical pluralism, social relations of therapy management, the relationship between state and medical systems, and health discourse. He received an affectionate honor from his peers and former students in the form of essays '**New Horizons in Medical Anthropology**.' *This collection of cutting-edge essays explores medical innovation and medical pluralism at the turn of the 21st century.*

With his deep interest in Asian medical systems, he yearned to travel to many Oceanic and Asian countries and it was on these visits that most of his research on medical pluralism took place. Prof. Leslie's close contact with Prof. Mutatkarji during the organization of the International Symposium on Medical Anthropology at Pune University was another momentous event. Prof. Leslie suggested that Pandit Shiv

IASTAM India is reinviting applications to be sent immediately

**A Short Term Research Project**

**Objective:** *To encourage interdisciplinary or cross faculty collaboration between professionals, faculty and groups and to encourage learning and working together for common objectives.*

**Duration:** *6 - 8 Months;*

**Financial Assistance:** *Rs. 50,000/-*

**Procedure:** *Submission of Application to IASTAM Offon prescribed format and Outline of the projects [Preferable as Brief knowledge, selection of topics, Aims – Objectives, Methodology, and probable outcome]. At the end of the project applicants should provide final report of research activity. Details available on website - [www.iastamindia.org](http://www.iastamindia.org)*

Sharmaji be invited to chair the session on Ayurved. He developed a strong affinity for India and was acquainted with Dr. K.M. Parikh at the **IIIrd ICTAM held in Mumbai; India in 1990; a moment of pride for IASTAM – India, which is still recalled with great fondness by many, for the diversity of the subjects and the deliberations by scholars of Indian and international renown. Prof. Leslie was the chairperson of the program committee with Dr. Bhatt as the conference secretary.** He stayed in India during that period and with his affectionate nature and exuberant energy, developed strong bonds.

When IASTAM – International for some years experienced partisan involvement from practitioners, it displeased him although later on, he was satisfied with the revival of interest in those who had turned away from IASTAM.

Leslie had worked as a professor throughout his career for many international post-secondary institutions at Pomona College (1956–66), Case Western (1966–67), New York University (1967–76), University of Delaware, where he was Professor Emeritus (1976–91). He was visiting professor at University of Washington (Seattle), University of California; Berkeley, Harvard University, McGill University and at University of London- School of Oriental and Asian Studies. Dr. Leslie was known for his intellect, dedication to his profession and to his colleagues and unstinted devotion to social justice, pacifism, compassion and generosity. He served as an editor for several professional anthropological journals, a book series and even for works penned by his colleagues. He served on the World Health Organization's Expert Panel on mental health and was a WHO consultant on traditional medicine in Jakarta. He was the President of several anthropological associations. He penned several titles which include, 'Now we are civilized: A study of the world view of the Zapotec Indians of Mitla', Oaxaca (1960), 'Anthropology of Folk Religion' (1960) and 'Now We Are Civilized'(Reprint - 1980). 'Asian Medical Systems: A Comparative Study' (1976)- a book edited by him has developed new ideas of research in medical anthropology. He has also served as an editor for Journal of Social Science & Medicine.

His deep understanding of humanity led to writing that was thought-provoking and compassionate as seen in "The Rhetoric of Ayurvedic Revival in Modern India" ( MAN-1963), "The Professionalization of Ayurvedic and Unani Medicine"( The Transactions of the New York Academy of Sciences -1968), "Asian Medicine" (Medical Anthropology Newsletter -1972), "Asian Medical Systems: A Symposium on the Role of Comparative Sociology in Improving Health Care" (Social Science & Medicine -1973), "Scientific Medicine in a Secular Society" ( Religion and Medicine -1974), "Medicine in Asia" (Encyclopaedia of Asian History -1987), "Social research and health care planning in South Asia" (Bulletin of the History of Medicine -1988), "Magic and Curing in Thailand"(Reviews in Anthropology -1989) and "India's Community Health Workers Scheme: A Sociological Analysis" (Ancient Science of Life -1989)

Prof. Leslie was honored by the American Anthropological Association with the '**Distinguished Service Award**' and with the '**Career achievement Award**' from the Society for Medical Anthropology. It was at the hands of Prof. Leslie, that Dr. Bhatt was honoured with the Prof. A. L. Basham Award in 2006. **In 2009, on the 30th Anniversary of IASTAM – International; 'the Charles Leslie Prize' was instituted, for 'Recognition of an Outstanding Essay by a Junior Scholar or Practitioner.'**

*'Wherever the Art of Medicines is Loved there is also A Love of Humanity!' Hippocrates.*



**INTERNATIONAL CONFERENCE ON CHALLENGES FOR GLOBAL COMPETITIVENESS OF AYUSH AND NATURAL PRODUCTS and IASTAM ORATION AND AWARD FUNCTION 2018**

*Valedictory Function*



*Prof. Markanday Ahuja, Dr. Mahaveer Dhobi, Dr. D. P. Pathak, Dr. Raman Dang, Dr. R.C. Deka, Prof. R. K. Goyal, Dr. Narendra Bhatt, Dr. Manasi Deshpande*

**As Per the Rule of Newspapers for India  
FORM IV**

**Statement about ownership and other particulars about newspaper to be published in the first issue every year after the last day of February**

1. Name of The Periodical : **IASTAM NEWSLETTER**
2. Place of publication : **Bharati Vidyapeeth University, College of Ayurved, Dhankawadi, Pune – 411 043**
3. Periodicity : **Monthly**
4. Printer's Name : **Dr. Vandana Kozarekar**  
Nationality : **Indian**  
Address : **B-12/2, Rajdoot CHS, Near Ghatkopar Bus Depot, Ghatkopar (E), Mumbai – 400 075**
5. Publisher's Name : **Dr. Vandana Kozarekar**  
Nationality : **Indian**  
Address : **B-12/2, Rajdoot CHS, Near Ghatkopar Bus Depot, Ghatkopar (E), Mumbai – 400 075**
6. Editor's Name : **Dr. Manasi Deshpande**  
Nationality : **Indian**  
Address : **Flat No. 1, Venus Nook, Divya Nagar, Wanavadi, Pune – 411 040**
7. Printing Press : **Ekvira Publicity, Sinhgad Road, Pune.**
8. Names and addresses of individuals who own the newspaper and partners or shareholders holding More than one per cent of the total capital.  
: **Indian Association for the Study of Traditional Asian Medicine**  
Office Address : **Bharati Vidyapeeth University, College of Ayurved, Dhankawadi, Pune – 411 043**

I **Dr. Vandana Kozarekar** hereby declare that the particulars given above are true to the best of my knowledge and belief.

Dr. Vandana Kozarekar  
Publisher

Date : 01/03/2018

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IASTAM NEWSLETTER, Monthly is owned by Indian Association for the Study of Traditional Asian Medicine, Printed & Published by Dr. Vandana Kozarekar, Printed at Ekvira Publicity, Sinhgad Road, Pune, Published at Bharati Vidyapeeth University, College of Ayurved, Dhankawadi, Pune - 411 043. **Editor** - Dr. Manasi Deshpande

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To,