

IASTAM

INDIA NEWSLETTER

*Vol : VII *Issue : 11 *November 2023 (Monthly) *Price: Rs. 6/- *Page 8 *Pune

Connecting Systems; Bridging Disciplines

◦ Ayurved ◦ Yoga ◦ Unani ◦ Siddha ◦ Asian Medicine ◦

"Coming together is a beginning; keeping together is progress; working together is success."

- Edward Everett Hale

Communiqué

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PRE NOTE

Need to advance and upgrade syllabus of Bhaishajya Kalpana to keep it future ready

Dr. C. K. Katiyar - President - IASTAM

Bhaishajya Kalpana is very important subject in Ayurvedic syllabus for under graduate and post graduate studies. Normally it is coupled with Rasa Shastra and christened as Rasa Shastra and Bhaishajya Kalpana (RSBK). This subject deals with multiple dosage forms in Ayurveda (about 120) and their composition and manufacturing process besides indications. It is assumed that post-graduates in Bhaishajya Kalpana have all the knowledge related to manufacturing and therapeutic qualities of Ayurvedic Medicines, irrespective of the dosage forms.

It is well known fact that popularity and trust for Ayurvedic products has gone up several times in recent decades. This popularity has increased more for lifestyle, health promotion and beauty care products rather than hard core chronic illness related needs. This aspect has also brought with it need of development of new consumer friendly

contemporary dosage forms.

Knowledge of new drug development process including newer dosage forms, criteria for selection of excipients, their compatibility, selection of proper preservative, conducting accelerated and real time stability studies etc need to be built up in contemporary syllabus for Bhaishajya Kalpana.

Development of newer dosage forms like Candies, Gummies, mouth dissolving and effervescent tablets, powders and sugar free format etc has cropped up as need gap areas to keep PGs of Bhaishajya Kalpana employable by the Industry.

A visit to multiple PG departments of Rasa Shastra and Bhaishajya Kalpana reveals that most of the time these departments are not fully equipped to demonstrate their capability in such

areas and they prefer to remain focused on classical products and dosage forms.

Most of the time the students are not updated about regulatory provisions related to ASU drugs including Drugs & Cosmetics Act, Drug and Magic Remedies (Objectionable Advertisement) Act, Forest Act, regulations related to consumer affairs, Weight and Measures Act, FSSAI related regulations etc.

During one recently attended CME of Rasa Shastra and Bhaisajya Kalpana as faculty I came across certain questions related to methodology of Stability Studies and issues related to packaging development and role of stability. Discussion also revolved around why glass bottles are found to be better for AsavaArishtas as against PET bottles.

It is time to update and modernize the syllabus of Bhaisajya Kalpana to include commercial manufacturing, technologies, methodology and significance of conducting stability studies, use of excipients and basic knowledge of packaging development skills with their scientific

justifications.

The teaching curriculum also needs to be expanded to include introduction to New Drug Delivery Systems (NDDS) for drug formats. Recently introduced provisions of AyushAhar has also brought with it challenges of developing RTE (Ready to Eat) and RTC (Ready to Cook) food formats. The adoption of Sugar Free technologies for AsavaAristhas, Avaleha has become more relevant today when India is on the verge of becoming Diabetic Capital of the world.

Ayurvedic products are now moving from Medicinal to peripheral and Food formats specially in nutraceutical category, creating need for introducing Food Technology also under the scope of Bhaishajya Kalpana.

It needs to keep pace with the rapidly changing developments by expanding and modernising the scope and content of syllabus to keep it relevant and its post graduates employable by the Industry.

Article

National Accreditation Council (NAC) & One Nation One Data (ONOD): Single platform for Higher Education Institutions (HEIs) accreditation

Prof. Dr. Manasi Deshpande
Member- Managing committee, IASTAM- India
Vice Principal, HoD & Professor
Bharati Vidyapeeth Deemed to be University,
College of Ayurved, Pune

The higher education in India has expanded rapidly over the last five decades to become the third largest in the world, next to the United States and China. As of 2023, India has 1074 universities in different categories: central, state, private, and deemed. The Institutional Framework for Higher Education in India offers a variety of institutional systems in the field of higher education. Several governmental agencies like University Grants Commission [UGC],

National Institutional Ranking Framework [NIRF], and National Assessment & Accreditation Council [NAAC] and private initiatives have geared up to take on present day challenges. With the invention of technology, the method of education is undergoing major changes.

The institution's rankings, based on geography, are classified into three types such as global, national and regional rankings. In the current scenario,

Institutional Ranking is playing a major role in academic institutions. The ranking shows their research activities, teaching methods, research productivity, funding, collaboration research to the outside world. The major international rankings are QS World University Ranking, Academic Ranking of World Universities, Times Higher Education World University Rankings, etc.

Different Ranking methods in India

At present, under the provisions of clause (f) of section 2 and section 12B of the 'UGC Act 1956', multiple agencies within the ambit of the Union Government and even some States have been mandated for periodic approvals, assessment, accreditation and ranking of HEIs.

A] National Assessment and Accreditation Council (NAAC): NAAC was established in 1994 in response to recommendations of National Policy in Education (1986). It is a government organization that assesses and accredits Higher Education Institutions (HEIs) (over 5-year block periods).

B] National Institutional Ranking Framework (NIRF): NIRF is a ranking methodology adopted by the Ministry of Education, Government of India, to rank institutions of higher education in India. The framework was approved by the former Ministry of Human Resource Development (now, Ministry of Education) and launched by the Minister on 29 September 2015. It ranks the participating institutions annually in terms of overall rank and discipline-specific ranks, based on scores computed using five broad sets of parameters

C] National Board of Accreditation (NBA): The National Board of Accreditation (NBA) was established in the year 1994 under Section 10 (u) of AICTE Act in order to assess the qualitative competence of programs offered by Technical Institutions from Diploma to Post graduate level in Engineering & Technology, Management, Pharmacy & Architecture, etc.

D] Atal Ranking of Institutions on Innovation Achievement: Atal Ranking of Institutions on Innovation Achievements (ARIIA) is a path-breaking policy initiative of the Ministry of Education (MoE), Govt. of India that was implemented through AICTE and MoE's Innovation Cell to systematically rank all major higher educational institutions and universities in India on indicators related to promotion and support of "Innovation and Entrepreneurship Development" amongst students and faculties.

E] Quacquarelli Symonds (QS): A British company specialising in the analysis of higher education institutions around the world founded QS Quacquarelli Symonds in 1990. It is now the leading global provider of specialist higher education and careers information and solutions. QS World University Rankings is regarded as one of the three most influential university rankings in the world.

F] Times Higher Education (THE's): Times Higher Education Rankings is an annual affair by the Times Higher Education based in London. THE started publishing rankings based on the methodology developed with Thompson Reuters in 2010.

G] AICTE: All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level Apex Advisory Body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner.

H] MCI/NCISM: The National Medical Commission (NMC) and The National Commission for Indian System (NCISM) have been constituted by an act of Parliament known as National Medical Commission Act, 2019 and National Commission for Indian System of Medicine Act, 2021 respectively.

AICTE, MCI, NCISM are in charge of the mandatory annual approval of all programmes/courses in educational institutions etc.

NATIONAL ACCREDITATION COUNCIL

The process of creating a single accreditation and ranking system is one of the proposals of the National Education Policy 2020 (NEP). The NEP 2020 proposed HECI as a single regulator with four different verticals that eliminate concentrations of power. These four structures are National Higher Education Regulatory Council (NHERC), National Accreditation Council (NAC) for accreditation, Higher Education Grants Council (HEGC) for funding, and General Education Council (GEC) for setting academic standards.

National Accreditation Council (NAC), has been envisaged as the 'meta-accrediting body', with responsibility for overseeing and supervising an independent ecosystem of accrediting institutions.

Under NEP 2020's guidance, NAC is transitioning towards a more focused and efficient accreditation system. This new approach emphasizes binary accreditation—either accredited or not—while encouraging institutions to publicly share comprehensive information. The shift towards outcome-based evaluation and tailored assessments

according to university types underscores the commitment to improving performance and quality.

One Nation One Data (ONOD)

The development of the One Nation One Data (ONOD) Portal aims at establishing a unified data architecture for augmenting the efficiency and transparency of the Approval and Accreditation and Ranking processes of Higher Education Institutions in the country.

The ONOD portal helps universities and colleges (HEIs) gather information in one place. It follows specific rules and is connected to the internet. It's like a significant online form where HEIs can share their data.

Benefits of ONOD and NAC:

- The ONOD portal helps universities and colleges (HEIs) gather information in one place.
- ONOD provides a single portal access and gathers all sorts of information from universities

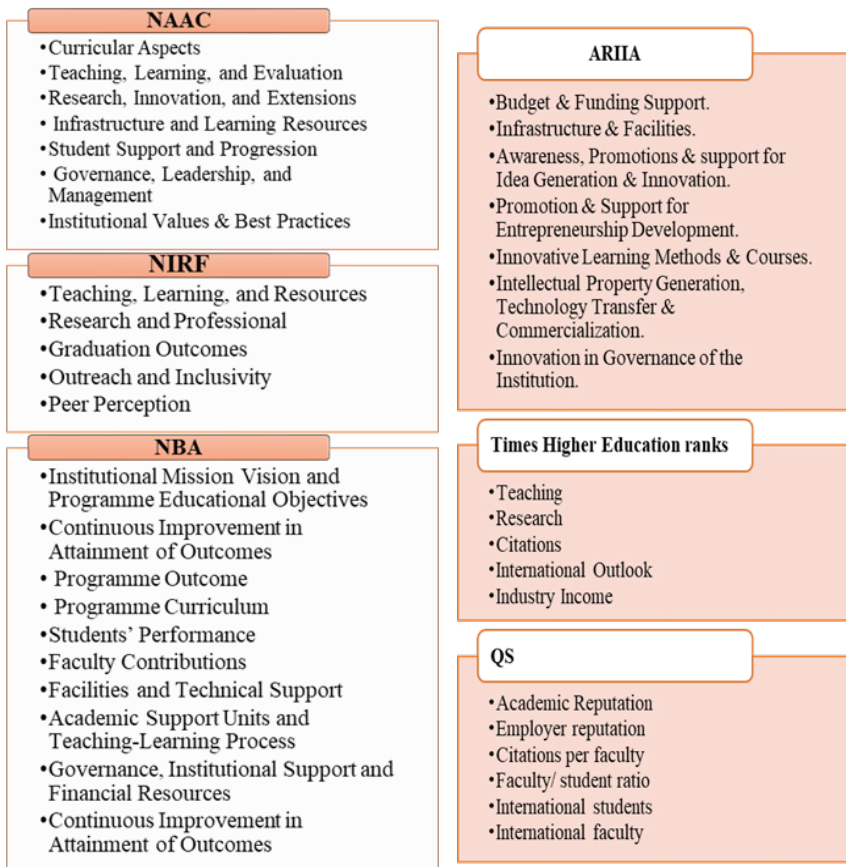
for different needs like approval, accreditation, and ranking

- Latest technology-driven methods to replace the old-fashioned manual or mixed ways of assessing and accrediting universities
- It may increase the efficacy and efficiency of the institutes and government by acknowledging the true state of educational institutes.
- It will be easy to plan long term expansion of capacity and infrastructure.
- It will improve decision making by students, faculty and parents while deciding the institution for enrolment

Quality enhancement is an endless process. The revised accreditation framework promotes institutional quality assessment. It serves as a catalyst to foster global competencies among all the stakeholders.

Parameters for ranking/ Accreditation

Major indicators are considered for ranking



Proposed criteria for accreditation by NAC

Transition from the present 8-point grading system of NAAC to an 'Adapted Binary Accreditation System' is proposed.

Proposed parameters for accreditation

- Curricular Aspects
- Selection of Faculty Teaching
- Research & Innovation
- Community Engagement
- Extracurricular (EC) & Co-Curricular (CC) Activities
- Green Initiatives
- Governance and Administrative Practices



XIV IASTAM ORATION AND AWARD FUNCTION 2024 INDIAN ASSOCIATION FOR THE STUDY OF TRADITIONAL ASIAN MEDICINE, INDIA

IASTAM SYMPOSIUM 2024

March 1-2, 2024/ Ahmedabad, Gujarat, India

ON

**AYUSH PRODUCTS : NEW FRONTIERS FOR
INNOVATION AND TECHNOLOGY**

Organized by

IASTAM India

In association with

**Atal Innovation centre and L.M. College of
Pharmacy, Ahmedabad, Gujarat, India**

Tentative Schedule

On 1st March 2024,

- A WORKSHOP ON “PRECLINICAL AND CLINICAL STUDIES ON AYUSH
- A ‘SEMINAR’ on “AYUSH AND ENTREPRENEURSHIP”

On 1st & 2nd March 2024,

14th IASTAM Oration & Awards Function 2023 & SYMPOSIUM on “AYUSH PRODUCTS : NEW FRONTIERS FOR INNOVATION AND TECHNOLOGY”

Major sub-themes for Symposium :

1. Classical in modern context
2. Patent & property
3. Technology & Innovation
4. Regulations

STARTUP INCUBATION EXHIBITION

IASTAM Oration & Awards Over a period of 44 years with three Orations and nine Awards IASTAM has nurtured this unique tradition. These awards now termed as 'Aspiring Traditions' aims to encourage learning, growing and aspiring with a view that newcomers in the field adhere to the path of excellence and those capable aspire to achieve more. IASTAM Oration & Awards are universally recognized and acknowledged all over.

1. IASTAM 'Pt. Shiv Sharma Oration' For Contribution to Promotion of Ayurveda

IASTAM India, in memory of its Founder President and eminent Vaidya Padmabhushan Pandit Shiv Sharma has instituted this "Oration" for excellence in the propagation of Ayurveda for outstanding services rendered to further the cause of Ayurveda. The Pandit Shiv Sharma Memorial Oration was instituted with the explicit object of recognizing efforts put in for the promotion & propagation of Ayurveda.



2. IASTAM 'Zandu International' Oration For Research Contributions to Ayurvedic Products

IASTAM India instituted Vaidya Zandu Bhattaji Memorial Oration in 2005 for excellence in drug design and research in pharmaceutical sciences in memory of the great Ayurvedic scholar and physician from Jamnagar Vaidya Zandu Bhatt Ji, who also was founder of Zandu Pharmaceuticals Ltd. M/S Emami Ltd from Kolkata acquired Zandu Pharmaceuticals in 2008. Emami Ltd has upgraded this award to an international oration delivered by Foreign Researcher and has been sponsoring it continuously from 2016.

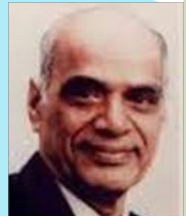


3. IASTAM 'Zandu International' Oration For Research Contributions to Ayurvedic Products

IASTAM India has instituted this award in memory of Vaidya Zandu Bhattji, the founder of Zandu Pharmaceuticals. M/S Emami Ltd from Kolkata acquired Zandu Pharmaceuticals in 2008. Emami Ltd has upgraded this award to an international oration delivered by an India Scientist and has been sponsoring it continuously from 2016.

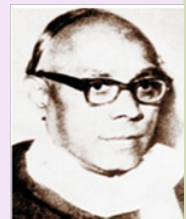
4. 'Dr. K. N. Udupa' IASTAM Award For Contributions to Research in Ayurveda / Indigenous Systems of Medicine

IASTAM in memory of eminent educationist, scientist and former President of our Association, Prof. K. N. Udupa has instituted this Award for Excellence in Research in Ayurveda / Indigenous Systems of Medicine. It is preferably conferred to Scientist / scholar from Modern biomedical sciences for contribution to Ayurvedic Research.



5. Dr. C. Dwarakanath' IASTAM Award For Contemporary Interpretation or Application of Ayurvedic Principles

IASTAM in the memory of the great Ayurvedic Research Scholar Dr. C. Dwarkanth respected both by the Ayurvedic and Modern fraternity has instituted this Award for excellence in newer interpretations or contributions based on fundamental principles of Ayurveda leading to its novel application. This award is preferably conferred to an Ayurvedic Scholar / Scientist who has contributed to novel interpretation of Ayurvedic knowledge for its contemporary application.

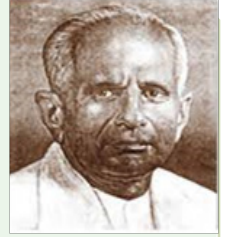


6. Dr. K. M. Parikh Memorial Award For Contribution To Development Of Ayurvedic / Herbal Pharmaceutics

IASTAM India, in memory of Dr. Krishnakant Parikh, its founder member and a visionary in the field of Ayurvedic Pharmaceutical Research and development, has instituted this award to be conferred to a person who has made significant contributions to its growth.



7. Shri Jugatram Vaidya' IASTAM Award For Excellence in Shalya Tantra
IASTAM India, has instituted this award in memory of Late Shri Jugatram Sankarprasad Vaidya, the grandson of the Ayurvedic visionary Shri ZanduBhattji. Though brought up in the high family tradition of Ayurved, Shri Jugatram had an opportunity of acquiring profound experience in Chemistry and Pharmacy while working under Prof. Lee in the Chemical Laboratory at Rajkot. This award has been supported and sponsored by Sri Girishbhai Parikh.



8. Shri Mathuradas Parikh' IASTAM Award For Excellence in Profession-Ayurveda
IASTAM India has instituted this award in memory of Late Shri Mathuradas Parikh. Sri Mathuradas Parikh had set the traditional home-bound heritage of Ayurved on an industrial footing in the pre-independence business environment in India. This award has been supported and sponsored by Sri Girishbhai Parikh.



9. 'Vinaben Patel' IASTAM Award For Excellence in Teaching Ayurveda

Smt Vinaben Patel (London - Gujarat), is a generous philanthropist, is actively engaged in social work, setting up health care units, Global Ayurveda Hospital at Nadiad, Leprosy hospital at Vadodara and an Old age home in Gujarat. This Award has been instituted long ago but from this year this is being supported and sponsored by Mrs Vinaben Patel Trust, Nadiad.



10. 'Yoga Forum Munchen Patanjali' IASTAM Award For Excellence in Interdisciplinary Development of Yoga

Yoga Forum Munchen has dedicated this Award in the memory of Patanjali, author of Yoga Sutra to encourage interdisciplinary activities and research on Yoga. Prof Reinhard Bogle being closely associated with IASTAM activities and encouraged by its collaborators has supported this award.



YOGA
FORUM
München e.V.

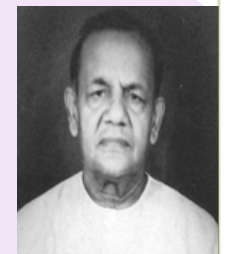
11. 'Shri Gopaldas Parikh' IASTAM Award For Contribution to Drug Development in the field of Phytochemistry, Medicinal Chemistry, Pharmaceutical Chemistry or Biochemistry

Shri Gopaldas Parikh followed the tradition of his mentors Shri Mathuradas Parikh and Shri Jugatram Vaidya for manufacturing classical products while protecting basic needs of the Ayurvedic principles and tradition when Zandu adapted to newer technologies that became the hallmark of Zandu products. This award has been instituted in memory of Sri Gopaldas Parikh and has been supported and sponsored by Sri Girishbhai Parikh.



12. 'Vaidya Chandraprakash' IASTAM Award For Contribution in Rasa Shastra

IASTAM India has introduced this award in memory of 'Vaidya Chandraprakash, a renowned Ayurvedic Physician of India who practiced Rasa-Shastra and became famous by treating otherwise untreatable conditions like cancer using Rasaushadhis. This award has been supported and sponsored by his son Vaidya Balendu Prakash, honoured with Padma Shree.





IASTAM India

wishes all

**'A Very Happy Diwali
& Happy New Year'**



IASTAM WELCOMES NEW MEMBERS

1. Prof. Dr. Hari Mohan Chandola,
Chairman, IEC, UAU, Dehradun.

2. Prof. Dr. Haridra Dave,
Vice President - AADAR

CONGRATULATIONS

Prof. Dr. Manasi Despande

(Ex Secretary and current Member
- managing Committee - IASTAM)
on being felicitated by

Indian Education Award 2023 by
Education Connect Plus in the category of
Top 100 Influential Educationist in Indian
Education.

Views and opinions expressed in different articles are entirely of the writers and authors

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IASTAM NEWSLETTER, Monthly is owned by 'Indian Association for the Study of Traditional Asian Medicine', Printed & Published by Girish G. Parikh, Printed at Shripad Printers, Shop No. 2, Konark Udyog, S.No. 177, Erandwana, Pune - 411 004, Published at Bharati Vidyapeeth University, College of Ayurved, Dhankawadi, Pune - 411 043. **Editor - Prof. Dr. Vidhi Bapna.**

Posting Coordination by Ekvira Publicity, Pune (Mo. : 9822882509)

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To,