



सत्यमेव जयते
Ministry of Ayush
Government of India



CoE Brain Storming Conclave 2023

New Delhi, India
December 12, 2023

on

Need for Advanced Scientific Research in Unani Medicine

یونانی میڈیسن میں جدید سائنٹفک تحقیق کی ضرورت

Organized By

Centre of Excellence (CoE) in Unani Medicine

(Pharmacognosy and Pharmacology)

Under Ayurswasthya Yojana Scheme (S-12013/2/2021-SCHEME)

Ministry of Ayush, Government of India

Bioactive Natural Product Laboratory

School of Pharmaceutical Education and Research

(NIRF Rank 2, Pharmacy Institute of India)

Jamia Hamdard New Delhi India

www.jamiahamdard.edu

In Association With

Unani Drugs Manufacturers Association, India

Society for Ethnopharmacology, India

Society for New Age Herbals, India



Jamia Hamdard, established in 1989, as a government funded Deemed to be University primarily known for its Pharmacy, Medicine and Engineering programs. Jamia Hamdard is ranked among top 40 Universities of India by the National Institutional Ranking Framework (NIRF), Govt of India and has been accredited in A+ grade by the National Assessment and Accreditation Council (NAAC) of India. The University offers graduate and postgraduate programs in Medicine, Pharmacy, Unani Medicine, Nursing, Science, Computer Applications, Management, Allied Health Sciences, Law and other disciplines. Jamia Hamdard is pioneer in initiating the integrated research in the modern and traditional streams of science and has been recently recognized as the Centre of Excellence in Unani Medicine (Pharmacognosy & Pharmacology), by Ministry of AYUSH, Govt. of India. [For further details, please visit www.jamiahamdard.edu]

School of Pharmaceutical Education and Research (SPER) is one of the oldest and the most reputed Pharmacy Institutes of India and has been ranked #1 amongst the Pharmacy Schools of the country (NIRF 2017, 2019, 2020, 2021 and 2022) as well as #2 in 2023 by Ministry of Education, Govt. of India). Currently, the school offers post-graduate and PhD programs in all major disciplines of pharmaceutical sciences in addition to diploma and undergraduate courses in Pharmacy. The SPER has instituted advanced infrastructural facilities including a well-equipped instrumentation center having TEM, NMR, LC-MS/MS, GCMS, ICP-MS, HPLC, HPTLC, SFE etc, and other state-of-the-art laboratories such as Centre of Excellence in Unani Medicine (Pharmacognosy & Pharmacology), Bioactive Natural Products Laboratory and Nanomedicine Laboratory, among others. All the four departments of SPER are DST-FIST sponsored and are actively involved in research as evident from their publications in reputed journals.

The Centre of Excellence in Unani Medicine CoE (Pharmacognosy and Pharmacology) is a state-of- the-art research facility at the School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi. CoE in Unani Medicine is funded by the Ministry of AYUSH, Government of India, and is dedicated for conducting advanced scientific investigations on Traditional Unani Medicine Under Ayurwashya Yojana Scheme. The Centre maintains valuable research collaborations with renowned industries, including Hamdard, Dabur, Aimil, Universal Biotech Ltd., Transformative Learning Solutions Pvt Ltd, Dolcas Botanosys Pvt Ltd, Tulip Lab Pvt. Ltd. India, Avitech Nutrition Pvt. India, AyuSwasth Pvt. Ltd. Additionally, we have established collaborative partnerships with educational institutions both within India and abroad, including NCNPR at the University of Mississippi (USA) and the University of Khartoum (Sudan), as well as St Petersburg University, Russia, etc. CoE in Unani Medicine hosts over 25 research scholars, including postdoctoral fellows, Ph.D. candidates, and master's students. With ongoing projects worth more than 15 crores, it has successfully acquired modern sophisticated equipment through project grants. Additionally, a vast collection of over 500 costly reference standards and 350 preserved raw materials are invaluable to our research endeavors.

CoE offers a range of facilities, including: GC-MS with ECD and Head Space Online Library, SCFE (Supercritical Fluid Extractor), Flash Chromatography, HPTLC (High-Performance Thin-Layer Chromatography), ICP-MS (Inductively Coupled Plasma Mass Spectrometry), Stability Chamber, Zebrafish Housing System, Fume Hoods, BSL-3 (Biosafety Level 3) Laboratory, Biosafety Cabinet, Laminar Flow Hood, Microscopy, Software Tools: Biorender, Mass Fragmenter, XL-Stat, GraphPad Prism. Conference Hall with Seating for 80 Attendees Equipped with Digital Audio/Visual Projector and high-definition Video Cameras for presentations and recordings and we have also on-site cafeteria to cater. These facilities significantly enhance our center's capacity for advanced research, analysis, and collaborative activities.

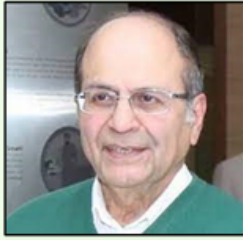
CoE takes great pride in the extensive training it offers, having produced over 75 highly skilled professionals who now hold key positions worldwide. Our contributions to the scientific community go beyond our personnel, with over 400 publications in esteemed journals and numerous patents and technology transfers to various industries for products developed. As a testament to our commitment to knowledge dissemination, CoE has organized numerous workshops, national and international seminars, and conferences. Notably, SFEC2020 was a resounding success, with the participation of over 350 resource persons from more than 50 countries and more than 2500 delegates from India and abroad. Similarly, IASTAM 2022 witnessed the presence of over 100 renowned speakers from India and various other countries, including the USA, UK, Russia, UAE, KSA, Bangladesh, Nepal, Iran, and more, along with over 1500 delegates from India and abroad. These remarkable achievements are made possible under the capable leadership of Prof. Sayeed Ahmad, the Director of the Centre of Excellence in Unani Medicine (Pharmacognosy and Pharmacology). At CoE UM, it's our privilege to serve the nation, and to assist Ayush professionals with any scientific services required for the development of quality AYUSH products of botanical/herbal origin. CoE is always open for students, AYUSH professionals and for industry professionals, start-up's etc and provide all scientific services related to AYUSH. [For further details, please visit www.bnpl.org.in]

Major Highlights of the Conclave includes highly motivating lectures by Eminent International and National Speakers on:

- Scope of Unani Medicine in modern drug discovery utilizing advanced scientific tools
- Scientific validation of traditional claims of Unani Medicine
- Advanced Pharmacological evaluation of efficacy and safety on formulations and their constituents
- Identification and quality control of medicinal plants and other traditional resources
- Chromatographic analysis, HPTLC, metabolomics, network pharmacology, pharmacokinetics and stability studies of raw materials and formulations
- Interdisciplinary and integrative approaches for promotion and development of traditional medicines including detoxification and modification of dosage forms
- National and international regulatory challenges of current global market, IP rights and patents
- Clinical evaluation and pharmacovigilance studies of traditional medicines

ORGANIZING COMMITTEE

Chief Patron



JANAB HAMMAD AHMAD
CHANCELLOR
JAMIA HAMDARD

Patron



PROF M AFSHAR ALAM
VICE CHANCELLOR
JAMIA HAMDARD

Organizing Chairman



PROF ASIM ALI KHAN
Dean, SUMER, Jamia Hamdard

Organizing Co-Chairman



PROF FARHAN JALEES AHMAD
Dean, SPER, Jamia Hamdard

Coordinators



Prof Anwar Hussain Khan
SUMER, Jamia Hamdard



Dr Mohammad Ahmad Khan
SPER, Jamia Hamdard



Dr Rabea Parveen
SPER, Jamia Hamdard



Dr Bushra Parveen
SPER, Jamia Hamdard

Organizing Secretary



PROF SAYEED AHMAD
Director, Centre of Excellence in Unani Medicine
(Pharmacognosy & Pharmacology)
BNPL, SPER
Head, Department of Food Technology, SIST
Jamia Hamdard

EMINENT SPEAKERS



**DR SYED FAROOQ
(CHIEF GUEST)**
President, Himalaya Drug
Company



PROF MOHAMMAD ATHAR
Professor, University of Alabama
Birmingham, School of Medicine
USA



DR MD. MUKHLESUR RAHMAN
Professor, Pharmaceutical and Natural
Product Chemistry University of East
London UK



Dr Raman Mohan Singh
Director, PLIM Ghaziabad
India



Prof Abdul Wadud
Director, National Institute of Unani
Medicine, Bangalore and Ghaziabad
India



Dr Mohammad Khalid
Assistant Drugs Controller,
Licensing Authority AYUSH New
Delhi India



Dr Anil Kumar Sharma
Vice President, AIMIL
Pharmaceuticals



Dr Sateesh Kumar Chauhan
Vice President, Avitech
Nutrition



Dr Sanjay Tamoli
Tulip Labs Pvt. Ltd.



Dr Arun Gupta
Director, Ayu Swasth
Pvt. Ltd.

IMPORTANT DATES

Registration Open:

December 06, 2023

***Limited seats available- registration will be on first come first serve basis**

Link for registration: <https://forms.gle/8jG8CeHtkbwmVdgY9>

Payment mode (UPI/ QR/ Cash): 7982171581@paytm

Share the screenshot of payment details on: [9560174969](tel:9560174969)



QR code for payment

REGISTRATION

Category	National (INR)
Delegates/ Students (PhD and Masters)	300
Members of SFE/ SNAH/UDMA, MD Students (SUMER, JH), Faculty (SUMER & SPER, JH) and CoE/ BNPL Members	Free

For further details, Contact:

PROF (DR) SAYEED AHMAD

Director, Centre of Excellence in Unani Medicine

Bioactive Natural Product Laboratory, SPER

Head, Department of Food Technology, SIST

Jamia Hamdard, New Delhi 110062, India

E-mail: sahmad_jh@yahoo.co.in

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CENTRE OF EXCELLENCE IN UNANI MEDICINE

Pharmacognosy & Pharmacology

AYURSWASTHYA YOJANA SCHEME OF MINISTRY OF AYUSH, GOVT OF INDIA

BIOACTIVE NATURAL PRODUCT LABORATORY

SPER, JAMIA HAMDARD



EXECUTION TEAM



Director, CoE

Prof. Sayeed Ahmad

Pharmacognosy & Phytochemistry, SPER,
Head, Dept of Food Technology, JH

Prof. Asim Ali Khan

Dean, SUMER, JH (PI)

Dr. Anwar H Khan

HOD, Physiology, SUMER, JH (Co-PI)

Dr. Mohammad Ahmed Khan

Pharmacology, SPER, JH (Co-PI)

VISION

To provide highest quality cutting-edge research in the field of traditional Indian medicine especially Unani, encompassing a holistic and integrative approach to healthcare to meet societal needs by utilizing modern concepts of drug development.



MISSION

- Development of a world class accredited laboratory for strengthening of research on AYUSH (Unani) Medicine and Food supplements.
- Development of a Center for Training and Research on AYUSH drugs and food products for their quality control, preclinical evaluation and for certification.
- Development of a Center for Excellence in quality analysis of AYUSH drugs for quality product development at par with the global consumer needs.



CoE RESEARCH TEAM & STAFF



Sageer Abass
Research Associate



Zoya Malik
Ph.D Scholar



Mohammad Irfan
Ph.D Scholar



Areeba Insaf
Ph.D Scholar



Monalisha Samal
Ph.D Scholar



Varsha Srivastava
Ph.D Scholar



Muzayyana Khan
Ph.D Scholar



Mohd Usman
PhD Scholar



Aftab Alam
PhD Scholar



Mukta Satsangi
Ph.D Scholar



Uzma Jabeen
PhD Scholar



Anuradha Shee
PhD Scholar



Niharika
Ph.D Scholar



Naveen Reddy
PhD Scholar



Abdur Rehman
PhD Scholar



S Haseeba Zaidi
Research Scholar



Md Reyaz Alam
SRF



Mohd Azam
MTS



Irfan Ali
MTS



Mohd Anshar
DEO

RESEARCH RESOURCES/FACILITIES

- GC-MS with ECD
- SCFE
- Flash Chromatography
- HPLC-FL+PDA (Waters)
- HPTLC
- ICPMS
- Stability chamber
- Zebrafish housing
- Fumehood
- PCR
- Gel Doc
- UV
- High resolution Microscope



- Cooling centrifuges-80
- Freez dryer
- Nitrogen evaporator
- Rota vapor
- Analytical Balances
- Animal house (separate for laboratory)
- Medicinal Plant and Herbal Drug Library Standard/ Marker repository (>500 marker compounds)
- Reference live samples of herbs (>350)

Research Priorities

- Quality Control and Scientific validation of traditional claims of Unani medicines.
- Development of patentable AYUSH based formulations Re-designing of traditional Unani sugar-based formulations into sugar free dosage forms.
- Stability testing, PK, metabolomic profiling, network pharmacology
- Clinical evaluation of Unani medicines
- Training and competency development of Unani/AYUSH professionals

GRANTS FETCHED

07 ongoing & 24 completed R&D Projects

2304.7 lacs for 41 projects Total Grants

10 ongoing & 08 completed Consultancy grants



Translating science into world-class care

PUBLICATION METRICS

298

Research & Review paper

**Citations > 7000
H index > 41
I10 index > 152**

07

Patents

07

Book chapters

04

Textbooks



Building the momentum

PUBLICATIONS/PATENTS

The collage includes several scientific papers and patent forms. Visible titles include:

- Journal of Ethnopharmacology**: Potential nephroprotective phytochemicals: Mechanism and future prospects.
- South African Journal of Botany**: Nephroprotective potential of Berberis diffusa and Trigonotis pedunculata herbal combination against doxorubicin induced nephrotoxicity.
- Journal of King Saud University - Science**: Protective potential of Sherbat-e-Bazari Mithali (sugar-free) in rats and Wistar rats against cigarette induced nephropathy.
- Pharmacology**: GC-MS Metabolomics and Network Pharmacology Based Investigation of Molecular Mechanism of Identified Metabolites from Diosgenin chondrolysin (DCH) Mithai for the Treatment of Kidney Diseases.

 There are also patent application forms from the Indian Patent Office, including a 'Request for Examination' form with a table for fees and a 'Form 1' form with a table for applicant details.

Awards & Honours

- STE Meritorious Award for Excellence in Research & Academics 2022
- Special recognition award (SFEC 2020) 2020
- SFE best local chapter award 2019
- Best Oral Award (Thailand) 2018
- INSA BILATERAL EXCHANGE 2018
- Young Ethno - pharmacologist Award 2017
- Prof. M. L. Khorana IJPS Award, 2016
- Al-Ameen College of Pharmacy Award 2016
- Best paper Award at ISCNP Lublin, Poland by Elsevier 2016 UGC RESEARCH AWARD 2016
- Dr. P.D. Sethi Memorial Award (First Prize) 2015
- Al Ameen College of Pharmacy Award 2014
- PD Sethi Award First Prize 2013 DST BOYSCAST 2010 AICTE Career Award - 2009 CST UP Young Scientist Award 2009
- DST Fast Track Young Scientist Award 2007

MOU's INSTITUTED

- University of Pittsberg, Russia
- NCNPR, University of Missisipi, USA
- University of Khartoum, Khartoum,
- Sudan Hamdard Laboratories India
- Universal Biotech, Delhi
- IBSD, Imphal
- Dabur India Ltd
- Aimil Pharmaceuticals
- DolcasBotanosys
- Transformative Solutions
- DBT, Govt of India
- CCRUM, Govt of India
- GLA University
- Tulip Lab Pvt. Ltd. India
- Avitech Nutrition Pvt. India
- AyuSwasth Pvt. Ltd



CONFERENCES/SEMINARS/WORKSHOPS ORGANIZED



PRODUCTS DEVELOPED

