

IMPORTANT DATES

Abstract Submission	15 th October, 2022
Early Bird Registration	10 th October, 2022
Late Registration	25 th October, 2022
Seminar Dates	23 rd and 24 th November, 2022

ACCOMODATION

Participants are requested to make their own arrangement for accommodation, travel, boarding and lodging. However, limited accommodations on first come first serve basis will be provided on request.

MAJOR THRUST AREAS

- Research and Development for Sustainable Agriculture
- Research and Development for Environmental Sustainability
- Pharmaceuticals and Nutraceuticals for Human Health
- Conservation of Rare Medicinal and High Value Plants
- Regulatory Policies, Procedures and IPRs
- 'Students Innovation, Start-ups in Biotechnology'
- Molecular Medicine and Nano Diagnostics
- Recent Developments in Infectious Diseases and Cancer Biology

SUBMISSION OF ABSTRACT

Soft copies of the abstract not exceeding 250 words only in MS word format should be uploaded at the given registration link on or before 15th October, 2022.

REGISTRATION FEES

Registration fee of Rs. 500 for M.Sc. and Rs. 1000 for Ph.D. students and Rs. 2000 for Scientists/Academicians is applicable. The registration link is provided below. On the spot registration charges will be Rs. 1500 for students and Rs. 2500 for Academicians/Scientists.

<https://forms.gle/bHD6QNDbykN6p6Nx5>

SPONSORSHIP

Industries/NGOs/Dealers are invited to sponsor the Seminar. The equipment, glassware, plasticware suppliers can exhibit their products during the two day conference. Following are the sponsorship packages:

Platinum: 50,000 INR

Gold: 40,000 INR

Silver: 30,000 INR

For more details please contact:
nationalconferencebiotech22@gmail.com

AWARDS

Posters/Oral presentations will be evaluated by the team of eminent scientists and the selected posters/oral presentations will be awarded.

ADDRESS FOR ALL COMMUNICATIONS

Organizing Secretary

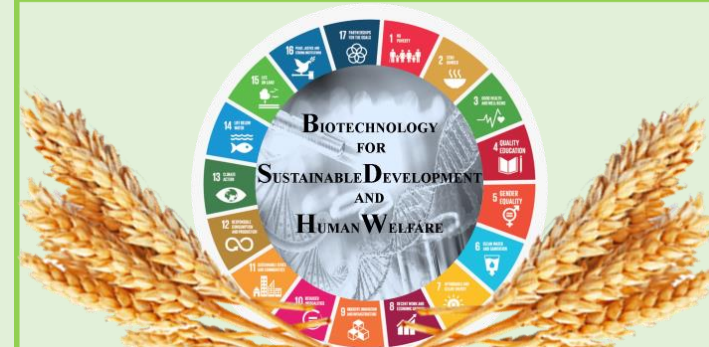
Professor M.Z. Abdin
Head, Department of Biotechnology
School of Chemical and Life Sciences
Jamia Hamdard, Hamdard Nagar
New Delhi-110062
Email address: mzabdin@jamiahamdard.ac.in
Ph. No.-011-26059688 (5583, 5581)

Convener

Dr. Javaid Sheikh
Department of Biotechnology
School of Chemical and Life Sciences
Jamia Hamdard, Hamdard Nagar
New Delhi-110062
Email address: jasheikh@jamiahamdard.ac.in
Ph. No.-011-26059688

Co-Convener

Dr. Jagriti Narang
Department of Biotechnology
School of Chemical and Life Sciences
Jamia Hamdard, Hamdard Nagar
New Delhi-110062
Email address: jagritinarang@jamiahamdard.ac.in
Ph. No.-011-26059688



NATIONAL CONFERENCE
On
**BIOTECHNOLOGY FOR
SUSTAINABLE DEVELOPMENT AND
HUMAN WELFARE**
23rd & 24th November, 2022



JAMIA HAMDARD
(Deemed to be University)

Organized By:

**Department of Biotechnology
School of Chemical and Life
Sciences**

**Jamia Hamdard, New Delhi-
110062**

Venue:

**Convention Centre, Jamia
Hamdard**

New Delhi-110062

Web: www.jamiahamdard.edu

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was established in 1997 with a vision to be recognized as a Department of International repute with a strong interdisciplinary research and teaching base in Plant and Animal Biotechnology with active collaboration of industries and health-care institutions. The department offers three programmes of study with an excellent and updated curriculum as a blend of biological science and applied research. First, a four year' under-graduate course leading to B.Sc. honors in Biotechnology as per New Education Policy, 2020 that provides a surfeit of knowledge and opportunities. Second, a two-year post-graduate course leading to M.Sc. in Biotechnology that opens multiple doctoral research and work opportunities across the world. Third, doctoral research leading to Ph.D. degree in the well-equipped labs with the experienced research supervisors. It also offers opportunity for post-doctoral research. The faculty in the department is enthusiastic and dynamic with the research experience in the labs of international repute both in India and abroad. They are the excellent and experienced teachers. Their research is well recognized internationally. The students of biotechnology have a good rate of success in NET-CSIR/UGC, DBT-JRF, ICMR-JRF and RA, etc. They are selected in reputed institutions for Ph.D. besides placements abroad.

- The department has inter-institutional collaboration with ICGEB (New Delhi), AIIMS (New Delhi), NII (New Delhi), National Institute of Communicable Diseases (New Delhi), CDRI (Lucknow), TERI (New Delhi), SGRH (New Delhi), IARI (New Delhi), JNU (New Delhi), Delhi University, IGIB (New Delhi), etc.
- The departmental collaboration is established with JALMA, Agra for animal BSL-3 experimentation.
- A new BSL-II facility well equipped with Biosafety level-II B2 cabinet (Haier), CO2 incubator and microscope for infectious disease and clinical studies has been developed in the department.

The department is the recipient of UGC-SAP and DST-FIST grants. In addition, the teachers are having their individual project grants from various government funding agencies such as DST-SERB, ICMR, AYUSH, CSIR, UGC and DBT/Wellcome Trust India Alliance and also consultancy projects from industries.

CENTRE FOR TRANSGENIC PLANT DEVELOPMENT

Centre for Transgenic Plant Development as a unit of the Dept. of Biotechnology was established in February 2004 with the research grants of CSIR (TMOP&M), Department of Agriculture Cooperation and Farmers Welfare, Govt. of India and inaugurated by Hon'ble Minister of Agriculture, Govt. of India, with a mandate to focus research in the development of novel varieties of crops and medicinal plants with improved yield and quality of produce as well as development of DNA based finger prints for authentication of traditional medicines. Various labs in the Centre have state-of-the-art facilities to train Ph.D. and postdoctoral students and to carry out research in various disciplines of Plant and Microbial Biotechnology. These include Confocal Microscope, GC-MS, Spectrophotometer, Real-Time PCR, Gel Doc, HPLC, Transgenic Containment and Tissue Culture.

THRUST AREAS: The thrust areas of Centre also include cloning, characterization and regulation of expression of novel genes linked with tolerance to biotic and abiotic stresses and quality traits of medicinal and crop plants, authentication and standardization of crude components of herbal formulations, nano vehicle assisted gene delivery and genome editing in plants.

The Centre is funded from Jamia Hamdard and other government agencies such as DST, DBT, Department of AYUSH, CCRUM, CSIR, ICMR, DRDO etc. for R&D projects. The consultancy projects from biotech companies are also carried out in the Centre.

AREA OF FOCUS

In order to achieve a better and more sustainable future for all, in 2015 the UN's General Assembly created a blueprint of 17 goals and 169 targets which are collectively known as UN sustainable development goals (SDGs). Addressing the global challenges we face, including those related to poverty, climate, environmental degradation, prosperity and health, these goals drive the work of countries, UN agencies as well as NGOs and companies across the world. Our two-day National Conference on **"Biotechnology for Sustainable Development and Human Welfare"** will be focusing on cutting edge technologies and ongoing research in the field of Biotechnology to achieve the United Nation's Sustainable Development Goals. The planned sessions will highlight the recent developments in the area of biotechnology to combat debilitating and rare diseases, stop the outbreak of infectious diseases, reduce our environmental footprint, relieve poverty, feed the hungry, use less and cleaner energy, provide clean drinking water, protect biological diversity on land and in our oceans, and have safer, cleaner and more efficient industrial manufacturing processes. The key focus of the seminar will be to share novel Biotechnological approaches to explore and discuss promising solutions of the challenges concerning excellence in better health care, novel molecules as new drug, advance diagnostic tools, enhanced food security, improved supplies of potable water, more efficient industrial development processes for transforming raw materials that support UN SDGs and offer new opportunities for global partnerships. The seminar will provide a forum for interactions among eminent researchers, young scientists and biotech industry personnel. Young scientists will discuss their research achievements through oral presentations into the program along with the lectures from eminent leaders in this field. The seminar will further provide a vigorous platform for new collaboration opportunities among scientists and industries for bringing academic science to industry for the development of useful products to benefit the people.^{8.9}

ORGANIZING COMMITTEE

CHIEF PATRON

Mr. Hammad Ahmed

Chancellor

Jamia Hamdard, New Delhi

PATRON

Professor Afshar Alam

Vice-Chancellor

Jamia Hamdard, New Delhi

Chairperson

Professor Shakir Ali

Dean, School of Chemical and Life Sciences

Jamia Hamdard, New Delhi

Organizing Secretary

Professor M.Z. Abdin

Head, Department of Biotechnology, SCLC

Jamia Hamdard, New Delhi

Convener

Dr. Javaid Sheikh

Department of Biotechnology, SCLS

Jamia Hamdard, New Delhi

Co-Convener

Dr. Jagriti Narang

Department of Biotechnology, SCLS

Jamia Hamdard, New Delhi

Organizing Committee Members

Professor M.Z. Abdin, Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

Dr. Humaira Farooqi, Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

Dr. Saima Wajid, Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

Dr. Javaid Ahmad Sheikh, Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

Dr. Mairaj Ahmad Ansari, Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

Dr. Jagriti Narang, Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

Dr. Monica Saifi, Department of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

STEERING COMMITTEE

Dr. T Mohapatra, President, National Academy of Agricultural Sciences (NAAS); Former Director General, Indian Council of Agricultural Research (ICAR), New Delhi.
Dr. Sudhanshu Vrat, Executive Director, Regional Centre for Biotechnology (RCB), Faridabad.

Professor K.C. Bansal, Secretary, National Academy of Agricultural Sciences (NAAS); Former Director, NBPGR (National Bureau of Plant Genetic Resources) New-Delhi.

Dr. Sanjay Kumar, Director, CSIR-Institute of Himalayan Bioresource Technology (IHBT), Palampur, H.P.

Dr. Ajit Kumar Shasany, Director, National Institute for Plant Biotechnology (NIPB), PUSA Campus, New-Delhi

Dr. Shubhra Chakraborty, Director, National Institute of Plant Genome Research (NIPGR), New-Delhi.

Dr. R.S. Sangwan, Director, Academy of Scientific and Innovative Research (AcSIR), New Delhi

Dr. Y.K. Gupta, Chairman, Review Committee on Genetic Manipulation (RCGM), Department of Biotechnology, Government of India.

Dr. Niranjana Chakraborty, Sr. Scientist, National Institute of Plant Genome Research (NIPGR), New-Delhi.

Dr. Vishwanathan Chinnusamy, Head, Division of Plant Physiology & Joint Director of Research, Indian Agricultural Research Institute (IARI), New-Delhi

Dr. Amulya K. Panda, Associate Director at Panacea Biotech, New-Delhi

Dr. Mohd. Aslam, Consultant, National Productivity Council (NPC), Department of Biotechnology, Government of India.

Dr. Vibha Ahuja, Chief General Manager of Biotech Consortium India Ltd., New Delhi

Dr. Tapan Kumar Mondal, Principal Scientist, ICAR-National Institute of Plant Biotechnology (NIPB), New-Delhi

Professor S. Raisuddin, Professor, Medical Elementology and Toxicology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

Professor Sarwar Alam, Professor & HoD, Department of Chemistry, School of Chemical and Life Sciences, Jamia Hamdard, New Delhi.

Professor Suhel Parvez, HoD & Associate Professor, Medical Elementology and Toxicology, School of Chemical and Life Sciences, Jamia Hamdard, New-Delhi.

Professor Farhan Jalees Ahmad, Department of Pharmaceutics, School of Pharmaceutical Education and Research, Jamia Hamdard, New-Delhi.

Dr. Angamuthu Selvapandiyar, HoD & Associate Professor, Molecular Medicine, Jamia Hamdard, New Delhi.

Dr. Sayeed Ahmad, Associate Professor & Head, Department of Food Technology, School of Interdisciplinary Sciences & Technology, Jamia Hamdard, New Delhi.

Dr. M. Samim, Department of Chemistry, School of Chemical and Life Sciences, Jamia Hamdard, New Delhi.

Dr. M. Shahar Yar, Associate Professor, Department of Pharmaceutical Chemistry, School of Pharmaceutical Education and Research, Jamia Hamdard, New-Delhi.