

## IMPORTANT DATES

Abstract Submission	05 <sup>th</sup> March 2019
Early bird Registration	05 <sup>th</sup> March 2019
Late Registration	15 <sup>th</sup> March 2019
Seminar Dates	26 <sup>th</sup> & 27 <sup>th</sup> March 2019

## ACCOMMODATION

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 in the Campus Guest House (Scholar House) on request.

## MAJOR THRUST AREAS

- Genomics, Transcriptomics and Proteomic Approaches in secondary metabolite research.
- Agricultural Biotechnology.
- Biotechnology : Innovations, Translation and IPR.
- Genomics and Proteomics based markers for diagnosis of Diseases.
- Therapeutic Antibodies and Recombinant vaccines for Disease Prevention.
- Enhancement of secondary metabolites: in vitro culture and Propagation.
- Molecular Biology of infectious Diseases.
- Protein Folding and Diseases.
- Industrial Biotechnology, Pharmaceuticals and Nutraceuticals.
- Medicinal Plants and their Anticancer Potential.

## SUBMISSION OF ABSTRACTS

Soft copies of the abstracts not exceeding 250 words only in MS word format should be sent to the following Email Address  
**e-mail:** [nationalseminarbiotech@gmail.com](mailto:nationalseminarbiotech@gmail.com)  
on or before 5<sup>th</sup> March, 2019.

## REGISTRATION FEE

Registration fee of ₹1000 for students and ₹ 2000/- for Scientists / Academicians may be sent through Bank Draft drawn in favour of Registrar, Jamia Hamdard, payable at New Delhi, this should be sent to Organizing Secretary, together with the participant's information. On the spot registration charges will be ₹1500 for students and ₹ 2500 for Academician/ Scientists."

## SPONSORSHIP

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

## AWARDS

Posters will be evaluated by the team of eminent scientists and the selected posters will be awarded.

## ADDRESS FOR ALL COMMUNICATIONS

### Organizing Secretary

#### Professor M. Z. Abdin

Head, Department of Biotechnology  
School of Chemical & Life Sciences  
Jamia Hamdard (Deemed to be University)  
Hamdard Nagar, New Delhi 110062  
Phone No: 011-26059688 (5583, 5581)

### Convener

#### Dr. Humaira Farooqi

Department of Biotechnology  
School of Chemical & Life Sciences  
Jamia Hamdard (Deemed to be University)  
Hamdard Nagar, New Delhi 110062  
Email: [hfarooqi@jamiahamdard.ac.in](mailto:hfarooqi@jamiahamdard.ac.in)  
Phone No: 011-26059688 (5504)

### Co-Conveners

#### Dr. Alka Narula

#### Dr. Saima Wajid &

#### Dr. Mairaj Ahmed Ansari

Department of Biotechnology  
School of Chemical & Life Sciences  
Jamia Hamdard (Deemed to be University)  
Hamdard Nagar, New Delhi 110062



Celebrating 30 years of Excellence in Professional Education and Research with Empathy for All

## UGC-SAP (DRS-II) DST-SERB & CSIR Sponsored National Seminar

Biotechnology Research in India:  
Current status and Future Prospects  
26<sup>th</sup> and 27<sup>th</sup> March 2019



JAMIA HAMDARD  
(Deemed to be University)

Organized By

Department of Biotechnology  
School of Chemical and Life Sciences  
Jamia Hamdard, Hamdard Nagar, New Delhi-110062

Venue

Convention Centre, Jamia Hamdard  
New Delhi 110062.

Web: [www.jamiahamdard.ac.in](http://www.jamiahamdard.ac.in) | [www.jamiahamdard.edu](http://www.jamiahamdard.edu)



## DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was established in 1997. It offers Five years of Integrated B.Sc-M.Sc, Programme, two year post-graduate course leading to M.Sc. in Biotechnology and doctoral research leading to Ph.D degree. Besides, it also offers opportunity for post-doctoral research. The faculty members of the Department have been able to attract a large number of extramurally funded research projects. At present the department has eleven ongoing research projects sponsored by DBT, DST, SERB, CSIR, ICAR, DRDO, UGC, DOEn, ISM&H, CCRUM, AYUSH, and World Bank.

The current research interests of the faculty members include : development of biomolecules by r-DNA technology, regulation of gene expression, vaccine development, enhancement of secondary metabolites in medicinal plants, molecular biology of infectious diseases, Protein Biochemistry and stress Biology, Host Pathogen interaction and molecular immunology, Biotransformation of medicinal plants for better yield of medicinal compounds and transgenics of vegetable, floriculture and oil crops.

The Department has inter-institutional collaboration with ICGEB (New Delhi), AIIMS (New Delhi), NII (New Delhi), Dabur Research Foundation (Ghaziabad), National Institute of Communicable Diseases (New Delhi), National Center for Biological Sciences (Bangalore), CDRI (Lucknow), TERI (New Delhi), IARI (New Delhi), JNU (New Delhi), University of Delhi South Campus (New Delhi), Institute of Genomics and Interactive Biology (New Delhi) and CDFD (Hyderabad). IIM (Jammu), ITRC (Lucknow), DRDO (New Delhi), University of Calcutta, Kolkata, Kalyani University, Kolkata.

The students of Biotechnology have high rate of success in NET/ICMR/DBT test for JRF. They have been selected in reputed institutions such as CCMB, CDFD, AIIMS, IISc, ICGEB, NII, NCCS, NCBS, etc., besides placements abroad.

## CENTRE FOR TRANSGENIC PLANT DEVELOPMENT

The Centre is a unit of Department of Biotechnology. It is equipped with the state of the art facilities to train the Ph.D and post doctoral students and to carry out research in various disciplines of plant and microbial biotechnology.

The major R & D activities pursued includes cloning

and characterization 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 expression in medicinal and crop plants.

The thrust areas of centre also include improving the quality of medicinal crops through genetic engineering of metabolic pathways; in vivo and in vitro conservation of medicinal plants; proteomics of host-pathogen interactions; development of easy, rapid, sensitive, cost effective method for aflatoxigenic mould detection in the groundnut kernels and soil; and identification and quantification of aflotoxins in the food and feed. The centre has received grants from government agencies such as DST, SERB, DBT, Department of AYUSH, CCRUM, CSIR, ICMR, DRDO etc. for R & D projects carried out at the centre.

## AREA OF FOCUS

National Seminar on "Biotechnology Research in India: Current Status and Future Prospects" will be focusing on cutting edge ongoing research in the field of Biotechnology. Planned sessions will highlight the recent developments in the modern biotechnology that provides breakthrough on products and technologies to combat debilitating and rare diseases, reduce environment footprint, improved crops, ecofriendly energy generation and have safer and more cleaner 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 research and advancements. The deliberations will also be made on ethical issues and safety concerns related to biotechnology research and its implementation.

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.

## ORGANIZING COMMITTEE

### Patron

**Professor Seyed E. Hasnain**  
Vice-Chancellor  
Jamia Hamdard, New Delhi

### Chairperson

**Professor M.P Sharma**  
Dean, School of Chemical and Life Sciences

### Organizing Secretary

**Professor M.Z. Abdin**  
Head, Department of Biotechnology, SCLS  
Jamia Hamdard, New Delhi.

### Convener

**Dr. Humaira Farooqi**  
Department of Biotechnology, SCLS  
Jamia Hamdard, New Delhi.

### Co-Conveners

**Dr. Alka Narula, Dr. Saima Wajid & Dr. Mairaj Ahmed Ansari**  
Department of Biotechnology, SCLS  
Jamia Hamdard, New Delhi

### Organizing Committee Members

Prof. Pratima Ray, Biotechnology, SCLS, Jamia Hamdard, New Delhi  
Prof. Pradip Chakraborty, Biotechnology, SCLS, Jamia Hamdard, New Delhi  
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Prof. M. Akhtar Siddiqui, School of Unani Medicine, SUMER, Jamia Hamdard, N.D  
Dr. Jawed Ahmad Sheikh, Biotechnology, SCLS, Jamia Hamdard, New Delhi.  
Dr. Jagrati Narang, Biotechnology, SCLS, Jamia Hamdard, New Delhi.

### Scientific Advisory Committee Members

Professor Seyed E. Hasnain Vice Chancellor, Jamia Hamdard, New Delhi.  
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Prof. Asis Dutta, Founder and Director NIPGR, New Delhi.  
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Dr. T. Maohpatra, DG, ICAR, New Delhi.  
Prof. S. Raisuddin, Medical Elementology & Toxicology and Centre for Translational & Clinical Research, Director IQAC, Jamia Hamdard, New Delhi.  
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