

UGC SAP DRS-I sponsored
National Seminar
on

CURRENT TRENDS IN SECONDARY PLANT METABOLITE RESEARCH
March 19 – 20, 2012



Organized by

DEPARTMENT OF BIOTECHNOLOGY

Faculty of Science, Jamia Hamdard
New Delhi 110062

Venue :

Convention Centre, Jamia Hamdard
(Hamdard University), New Delhi 110062.

Web : www.jamiahamdard.ac.in

[www : jamiahamdard.edu](http://www.jamiahamdard.edu)

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was established in 1997. It offers two formal programmes of study; two year post-graduate course leading to M.Sc. in Biotechnology and doctoral research leading to Ph.D degree. Besides, it 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 ongoing research projects sponsored by DBT, DST, CSIR, ICAR, DRDO, UGC, DOEn, ISM&H, CCRUM, AYUSH, and World Bank.

The Department has inter-institutional collaboration with ICGEB (New Delhi), AIIMS (New Delhi), NII (New Delhi), Dabur Research Foundation (Ghaziabad), NICD (New Delhi), NCBS (Bangalore), CDRI (Lucknow), TERI (New Delhi), IARI (New Delhi), JNU (New Delhi), University of Delhi South Campus (New Delhi), IGIB (New Delhi), CDFD (Hyderabad). IIM (Jammu), IITRC (Lucknow), DRDO (New Delhi), University of Calcutta (Kolkata), Kalyani University (Kolkata), THSTI (New Delhi) and NIPGR (New Delhi).

CENTRE FOR TRANSGENIC PLANT DEVELOPMENT

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

AREA OF FOCUS

Plants synthesize a wide array of secondary metabolites, often with highly complex structures, which are used as drugs, flavouring agents, fragrances, natural colours, sweeteners etc. Plant-derived drugs in western countries also represent a huge market value. Currently one-fourth of all prescribed pharmaceuticals in industrialized countries contain compounds that are directly or indirectly via semi-synthesis, derived from plants. The most pharmaceutically important secondary metabolites are isolated from wild or cultivated plants as their chemical synthesis is not economically feasible. The concentration of these metabolites in plants is however, very low, making their commercial production non-economic. Therefore, efforts are being made globally to enhance the concentration of these metabolites in plants through metabolic engineering.

The overall objectives of the seminar is to exchange ideas and knowledge on recent advances in the field of secondary plant metabolite research. This will help researchers in designing strategies to improve the biosynthesis and production of secondary metabolites.

THEME AREA

- Phytochemistry and Biochemistry of plant secondary metabolites.
- Impact of environmental stress on secondary plant metabolites.
- Metabolic engineering of secondary plant metabolites.
- In vitro culture and micropropagation of medicinal plants for increasing the production of secondary metabolites.
- Molecular and Proteomic approach in secondary plant metabolite research.
- Molecular markers for conservation of medicinal plants.

IMPORTANT DATES

Abstract Submission	5 th March, 2012
Last date for Registration	5 th March, 2012
Intimation of Acceptance	9 th March, 2012
Seminar Dates	19 th & 20 th March, 2012

ACCOMMODATION

Participants in general are requested to make their own arrangement for accommodation, travel, boarding and lodging. However, timely information and support will help us accommodate participants in our Campus Guest House (Scholar House). Local hospitality will be arranged by the organizers.

CALL FOR PAPERS

Research Papers are invited from interested research scholars, faculty, scientists and environmentalists. The abstract of the paper should not exceed 250 words. The title and abstract should be mailed to mzabdin@rediffmail.com (alternate mail-id: jamia.biotechnology@gmail.com) on or before 5th March, 2012, The abstract can also be sent to Professor M.Z. Abdin, Dean, Faculty of Science, Jamia Hamdard (Hamdard University), Hamdard Nagar, New Delhi 110062 to reach him before the deadline. Selected papers will be recommended for publication in the form of a book of international standard.

REGISTRATION FEE

Registration fee of ₹ **500** through Bank Draft drawn in favour of Registrar, Jamia Hamdard payable at New Delhi. This may be sent to Professor M.Z. Abdin, Organizing Secretary of the Seminar, together with the abstract.

SPONSORSHIP

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

POSTER PRESENTATION

The abstracts will be accepted for oral or poster presentations.

ORGANIZING COMMITTEE

Patron

Dr. G.N. Qazi
Vice Chancellor
Jamia Hamdard, New Delhi.

Chair Person

Professor P.S. Srivastava
Department of Biotechnology
Jamia Hamdard, New Delhi.

Organizing Secretary

Professor M.Z. Abdin
Dean, Faculty of Science
Jamia Hamdard, New Delhi.

Convener

Professor S.K. Jain
Head, Department of Biotechnology
Jamia Hamdard, New Delhi.

Members

Professor Javed Ahmed
Professor Shakir Ali
Professor Sarwar Alam
Dr. Sarwat Sultana
Dr. Farhat Afrin
Dr. Alka Narula
Dr. Humaira Farooqui
Dr. Saima Wajid

UGC SAP DRS-I sponsored National Seminar on

CURRENT TRENDS IN SECONDARY PLANT METABOLITE RESEARCH
March 19 - 20, 2012

Registration Form

Name :

Designation :

Title of the Paper :

Address for Communication :

Mobile No. :

E-mail ID :

Accommodation required (Yes/No) :

If Yes, Specify Dates :

Category of Participant :

(Faculty / Scholar / PG student/ Scientist)

Registration Fee details :

DD Number : Rupees :

Bank : Date :

Place :

Certified that the above information is true and correct to the best of my knowledge and belief.

Signature of the Participant

ADDRESS FOR ALL COMMUNICATIONS

Organizing Secretary

Professor M.Z. Abdin
Dean, Faculty of Science
Jamia Hamdard (Hamdard University)
Hamdard Nagar, New Delhi 110062

Phone No: 011-26059688
(5500, 5503, 5581)

email : mzabdin@rediffmail.com
(alternate mail-id: jamia.biotechnology@gmail.com)
mzabdin@jamiahamdard.ac.in

Convener

Professor S.K. Jain
Head, Department of Biotechnology
Jamia Hamdard (Hamdard University)
Hamdard Nagar, New Delhi 110062

sk608@rediffmail.com
skjain@jamiahamdard.ac.in

Phone No: 011-26059688
(5580, 5581)