

ABOUT ALLAHABAD

The city of Allahabad is among the largest cities of Uttar Pradesh. It is situated at the confluence of three rivers Ganga, Yamuna and the mythological Saraswati. The sacred meeting point is known as Sangam. Allahabad city is well connected via Air, Rail and Road routes with major cities of India.

ABOUT DEPARTMENTS

Chemical Engineering Department at MNNIT Allahabad was established as a new academic unit under Mechanical Engineering in 2006. The department is new and endowed with young, vibrant and dynamic faculty well qualified to impart high quality teaching and research in conventional and frontier areas of Chemical Engineering. The department offers B. Tech., M. Tech. and Ph.D. programs in chemical engineering. We give our best to maintain an environment that enables students to identify and pursue their personal and professional goals within an innovative educational and research program that is rigorous as well as flexible.

From a small department started in 1961 as a section of the Applied Sciences department, the Department of Chemistry has come into existence as full-fledged department w.e.f., April 1, 2003. The department caters to the core courses in chemistry for Bachelor of Technology (all branches) students in I/II semesters and for B. Tech (Chemical Engg) students in IV semester. In addition, the department shares some M. Tech (Materials Science) courses and offers courses for Ph.D. students as a part of their course work.

To provide broad based post-graduate programs in chemistry with the aim of producing chemists with high professional competence and awareness on the importance of chemistry in the technological world. To develop state-of-the-art research facilities, equipment and laboratories that would enable modern approach and solutions to all problems in chemistry, chemical engineering and chemical industry, collaborative projects with other science and engineering departments and close liaison with industrial undertakings.

ORGANIZING COMMITTEE

Patron	Prof. P. Chakrabarti Director, MNNIT Allahabad
Chairpersons	Prof. S.S. Narvi Head, Department of Chemistry Dr. Sadhana Sachan Head, Chem. Engg. Department
Conveners	Dr. Sushil Kumar Department of Chem. Engg. Prof. P.K. Dutta Department of Chemistry
Treasurer	Dr. Sushil Kumar
Local Organizing Committee	Dr. Tamal Ghosh Dr. Harinder Singh Dr. Suantak Kamsonlian Dr. Ashish N. Sawarkar

Advisory Committee:

Prof. N.D. Pandey
Prof. S.S. Narvi
Dr. Sadhana Sachan
Dr. Shivesh Sharma

For all Correspondence/Contact:

Conveners

National Workshop on
Research on Biopolymers: Challenges &
Opportunities (RBCO-2015)
Department of Chemical Engineering and
Department of Chemistry
Motilal Nehru National Institute of Technology (MNNIT)
Allahabad (UP) . 211004
Phone: +91-532- 2271580/2271583 (ChED)
+91-532- 2271280/2271283 (Chemistry)
E-mail: sushilk@mnnit.ac.in; pkd@mnnit.ac.in

For details visit <http://www.mnnit.ac.in>



National Workshop

On

**Research on Biopolymers:
Challenges & Opportunities
(RBCO-2015)
June 05-06, 2015**



Organized Jointly

By

**Departments of Chemical Engineering
& Department of Chemistry**

**Motilal Nehru National Institute of
Technology (MNNIT) Allahabad
Allahabad - 211004, INDIA**

ABOUT MNNIT ALLAHABAD

Motilal Nehru National Institute of Technology Allahabad, Allahabad (MNNIT) is an Institute with total commitment to quality and excellence in academic pursuits. It was established in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh as MNREC, and was an associated college of University of Allahabad. On June 26, 2002 MNREC was transformed into National Institute of Technology fully funded by Government of India. The Institute has been granted the status of institution of national importance w.e.f. 15th August 2007.

BACKGROUND

Biopolymers play very important role in our society. At the same time, biopolymers are the great concern of science & technological applications point of views. Nowadays biopolymers have the demand from natural resources. From this objective, naturally occurring polysaccharides obtained from crustacean shells as marine resource is the targeted material, known as chitin is the second most abundant polymer just after cellulose. The principle derivative of chitin, called chitosan is much more versatile due to the presence of amino group. Recent trend for quality of research is most wanted terminology to focus on Center of Excellence in academia. The broad objective of chitin research is to design novel, adaptive and sustainable technological solutions inspired by science in the interface of active life systems and engineering processes. Nature is the most efficient engineer. The workshop is a 2 days programme that provides expert training and research development for undergraduate and postgraduate and research students to promote high quality, collaborative and interdisciplinary research.

OBJECTIVE

The purpose of this workshop "Research on Biopolymers: Challenges & Opportunities" is to motivate the research students in science and engineering disciplines to actively take part in natural resource research programmes in their career.

COURSE CONTENTS

- Role of materials in our society
- Biopolymers paradigm
- Various biopolymers from natural resources
- Opportunities of chitin & chitosan in research activities and collaboration
- Chitin Chemistry as a whole why noteworthy
- Chitin: A journey from chemistry to biology
- Role of Chemical Engineering in biopolymer research
- Biopolymer research in the interface of science, biology & engineering

TARGET PARTICIPANTS

U.G./P.G./PhD students of Science & Engineering discipline from any of the Institutions/Universities interested to pursue research in biopolymers.

REGISTRATION FEE

U.G./P.G./PhD students: **Rs. 250/-**
Register early as places are strictly limited!

The fee is to be paid through local Cheque or demand draft in favour of "Research on Biopolymers", payable at Allahabad on or before 28th May, 2015 along with registration form.

IMPORTANT DATES

Last date for receiving applications: **28th May 2015**
Notification of acceptance: **30th May 2015**

SPEAKERS

Eminent persons from the academic Institutions, research organizations and from the Industries will deliver lectures and interact with the participants.

VENUE

Workshop will be held at the Conference Room of Chemical Engineering Department, MNNIT Allahabad.

ACCOMMODATION

Accommodation in the Hostels of the Institute will be provided on payment basis with an advance request.



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on
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REGISTRATION FORM

NAME (BLOCK LETTERS):

Gender: M / F

DEPARTMENT: _____

INSTITUTION / ORGANIZATION:

MAILING ADDRESS:

UG/PG/research student: _____

MOBILE: _____

EMAIL: _____

PAYMENT: D.D. No.: _____ Dt. _____ Rs. _____
[Demand draft/local cheque should be drawn in favour of "Research on Biopolymers", payable at Allahabad].

Or

CASH: Rs. _____

Date:

Signature of Applicant