

Birla Institute of Technology

The Birla Institute of Technology was established in the year 1955 at Mesra, Ranchi, Jharkhand by the Philanthropist – Industrialist Late Sri B. M. Birla with a vision to establish a world – class institution to cater Engineering, Technology, Pharmaceutical, Management and other allied sciences. The Institute over last decades ranked well within top ten of the best Technical Universities of the country. The Institute offers Undergraduate, Postgraduate and Doctoral Programs.

Department of Pharmaceutical Sciences & Technology

The Department of Pharmaceutical Sciences & Technology, Birla Institute of Technology was established in 1972. The department caters the needs of Pharmaceutical Education in this part of the country having B. Pharm, M. Pharm. in six disciplines & Ph.D. programs recognized by PCI, AICTE, UGC and DST. The Department has been ranked 12th in the country by NIRF/MHRD, Govt. of India during 2016-17. Meritorious students (GPAT& Non GPAT) from all over India can avail opportunities for higher education. The Department has been recognized as Q.I.P Center by AICTE. Department has been conducting Q.I.P programs for last 9 years which is very popular among pharmacy teachers. The Department has state of the art facilities for analysis of drugs with sophisticated instruments. It has Medicinal Plants Garden spread over in 10 acres of land. Department is actively involved in research encompassing Synthetic Chemistry, Natural Products' Chemistry, Novel Drug Delivery System, Herbal Standardization and Formulations, besides Computer Aided Drug Design. Computational chemistry lab is rich with drug design and discovery software.

AICTE Sponsored Quality Improvement Programme

Department of Pharmaceutical Sciences & Technology has been organizing the Quality Improvement Programme for last eight years. QIP 2017 would be ninth in this series.

QIP 2017 comprise of three programmes of two weeks duration each.

1. Pharmacognosy & Pharmacology Division: Since the time immemorial, Natural products are considered to be the symbols of protection from diseases in comparison to the synthetic counterparts which are regarded little unsafe to human life. Although a large number of synthetic drugs have been added to our present pharmacopoeia, however, no system of medicine in the world has been able to ensure freedom from Cancer. Therefore, the search for

innovative therapeutic constituents from plants is genuine and urgent. Plant-derived compounds like vinblastine, vincristine, the camptothecin derivatives, topotecan, irinotecan and etoposide have played an important role in the development of several clinically useful anti-cancer agents. Several promising new agents are under clinical developmental phases based on selective activity against cancer-related molecular targets, including flavopiridol and combretastin A4 phosphate, and some agents which failed in earlier clinical studies are also stimulating renewed interest. But large numbers of plants have still not been investigated thoroughly with regard to modern scientific perspectives. Thus, there is an insistent need for systematic phytochemical exploration of those plants using modern analytical & molecular pharmacology tools. During this QIP, different perspective of natural products will be discussed in depth with respect to Cancer Therapy

2. Pharmaceutical Chemistry Division: Drug development is a complex process, and added to it is the sophisticated new technologies and approaches to drug design, of which rational drug design is the epitome. A low success rate for investigational new drugs calls for improvement in drug discovery and development processes. Implementing knowledge driven drug development strategies founded on informative, powerful, and robust studies would greatly improve the drug discovery and development processes. This programme will cover the different aspects of Drug Discovery with special reference to basics, working principle, use of Molecular modeling & docking software/ validation besides the use of automated instruments like-UV/IR/NMR/MS/HPLC/GC/LC-MS/FESEM and other related techniques/ screening methods for identification of a clinical candidate as well.

3. Pharmaceuticals Division: Drug delivery has emerged as an interdisciplinary and independent field of research which is gaining attention within pharmaceutical spheres. A targeted and safe drug delivery could improve the performance of therapeutics already in the market. In recent times, advent of various biotechniques (like biotechnology, bioengineering, gene therapy, etc.) has contributed immensely in evolution of drug delivery processes, ranging from novel therapeutic strategies to effective administration of biomolecules. This program aims to highlight these interlinks between modern drug development processes with contemporary bio techniques. Also, it would deliberate on latest trends in traditional drug delivery mechanisms and techniques.

REGISTRATION FORM

All fields are Mandatory. Please fill the form in CAPITAL Letters only. All correspondence will be made through E-mail, so, please mention your E-mail ID correctly in CAPITAL Letters.

(Photocopies may be used)

**Paste
Photo**

Name: _____

Designation: _____

Qualification: _____

Age: _____ Sex: _____

Official Address: _____

Phone (Off): _____

Mobile: _____

E-mail: _____

Accommodation required: Yes/No

Registration fee Rs. 500/- to be paid in the form of DD* in favor of "Birla Institute of Technology, Mesra" payable at Ranchi for each program.

DD no. _____ Date of issue _____

Issuing Bank _____

(*DD is refundable subject to attending the course.)

Interested to Register & Participate in (please tick)

QIP 1: Pharmacognosy & Pharmacology Division ()

QIP 2: Pharmaceutical Chemistry Division ()

QIP 3: Pharmaceuticals Division ()

(Signature of the Participant)

Date:

Forwarded by Principal / Head

(Signature with seal)

Organizing Committee

Chairman	Dr. M. K. Mishra Vice-Chancellor
Chief Coordinator	Dr. B. N. Sinha Professor & Head
Coordinator	Dr. K. Jayaram Kumar Professor

Division	Course Coordinators
Pharmacognosy & Pharmacology	Dr. (Mrs) Anima Pandey Dr. Shakti P.Pattanayak
Pharmaceutical Chemistry	Dr. Venketesan.J. Dr. Kishanta K. Pradhan
Pharmaceutics	Dr. R.N.Gupta Dr. Biswatrish Sarkar

Advisory Committee

Dr. P. R. P. Verma Dr. B. N. Sinha Dr. S. Samanta Dr. S. Jha Dr. R.N. Gupta, Dr. (Ms.) Swastika Ganguly Dr. (Mrs.) Papiya Mitra Mazumder, Dr. K. Jayaram Kumar Dr. (Mrs.) S. M. Verma

Reception, Inauguration & Valedictory

Mrs. S. G. Panpalia Dr. (Mrs.) Trishna Bal
Mr. Sharad Kr. Singh Mr. Rammani Prasad

Registration & Course Materials

Dr. (Mrs.) Papiya M. Mazumder Dr. Manik Ghosh
Mr. Shailesh Kr. Singh Mrs. Sabita Kumari

Course Management & Technical Support

Dr. Venketesan J. Mr. Ashutosh Behera
Mr. Sarad Kumar

Hospitality and Accommodation

Dr. Bimal Mishra Dr. (Mrs.) S. M. Verma
Dr. A. K. Pattnaik Dr. (Mrs.) Neelima Shama
Mr. M.M.P. Yadav Mr. Sanjeev K. Singh

Transport

Mr. M.P. Chopra Dr. Uma R. Lal
Mr. Niraj Lakra Mr. Sanjeev K. Singh

Finance

Dr. (Mrs.) Neelima Sharma Dr. Animesh Ghosh
Mrs. A. Mukherjee Mr. A. K. Singh

Mr. Rajender Mahto	Mr. Kundu
PA System Dr. A Mustafi	Mr. Manish
Electricity Dr. D.K. Mohanta	Mr. Vinod Kr. Singh
Water Supply Dr. Naresh Kumar	Mr. Joseph Horo
Security Dr. Mahesh Chandra	

Who May Attend?

Teachers from Degree & Diploma Institutes in Pharmacy approved by AICTE / PCI on first come first served basis.

Travel & Accommodation:

All Participants will get to and fro, 3rd AC railway fare through shortest route. Participants from North-East will get to and fro Economy Class Airfare upto Kolkata (through shortest route). Accommodation will be arranged for all participants on prior intimation.

Important Dates:

Division	Registration Ends	Program Starts on
Pharmacognosy & Pharmacology	12th May 2017	19th May 2017
Pharm. Chemistry	26th May 2017	2nd June 2017
Pharmaceutics	9th June 2017	16th June 2017

(Limited to 30 participants in each Program on first come first served basis)

Mail duly filled Registration Form along with DD to:

Dr. B. N. Sinha
Professor & Head
Chief Coordinator QIP
Dept. of Pharm.
Sciences & Technology BIT,
Mesra, Ranchi
(Jharkhand) - 835215

OR

Dr. K. Jayaram Kumar
Professor
Coordinator
Dept. of Pharm.
Sciences & Technology
BIT, Mesra, Ranchi
(Jharkhand) - 835215

Acknowledgment :

All correspondence will be made through E-mail only. Please Mention your E-mail ID correctly in CAPITAL Letters only. For any further information, respective coordinators may please be contacted:

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Pharmaceutics Dr. R.N.Gupta.
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QIP Cell

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AICTE

Sponsored

QUALITY IMPROVEMENT PROGRAMME 2017

on

Current Perspectives in Cancer Research:

A Phytopharmacological Purview

(Division of Pharmacognosy & Pharmacology)

19th May to 1st June, 2017

Rational Approach to Drug Development

(Division of Pharmaceutical Chemistry)

2nd June to 15th June, 2017

Biotechniques in Drug Delivery:

Trends & Applications

(Division of Pharmaceutics)

16th June to 29th June, 2017

Organised by



Department of Pharmaceutical Sciences & Technology

(UGC-SAP & DST-FIST Supported Department)

Birla Institute of Technology
Mesra-835215, Ranchi (Jharkhand)