

## Organizing Committee

Chairman	Dr. M. K. Mishra	Vice-Chancellor
Chief Coordinator QIP	Dr. B. N. Sinha	Professor & Head
Coordinator QIP Cell	Dr. R. N. Gupta	Professor

### Division

Pharmaceutics & Pharmacology

Pharmaceutical Chemistry

Pharmacognosy

### Course Coordinators

Dr. (Mrs.) Trishna Bal  
Dr. Sugato Banerjee  
Dr. Venketesan J.  
Dr. Kishanta K. Pradhan  
Dr. (Mrs.) Anima Pandey  
Dr. Abhimanyu Dev

### Advisory Committee

Dr. D. Sasmal      Dr. P. R. P. Verma      Dr. S. Samanta  
Dr. S. Jha

### Reception, Inauguration & Valedictory

Mrs. S. G. Panpalia      Dr. K. Jayaram Kumar  
Dr. (Mrs.) Neelima Sharma      Mr. Jayant K. Barik

### Registration & Course Materials

Dr. (Ms.) Swastika Ganguly      Dr. (Mrs.) Papiya M. Mazumder  
Mr. Shailesh K. Singh      Mr. Rajesh K. Sharma

### Course Management & Technical Support

Mr. Biswatrish Sarkar      Dr. Uma R. Lal  
Mr. Sarad Kumar      Mr. Ashutosh Behera

### Accommodation

Dr. Bimal Mishra      Dr. B. Karn      Dr. (Mrs.) M. Bhagat  
Mr. M. M. P. Yadav      Mr. Sanjeev K. Singh      Mr. Niraj Lakra

### Hospitality & Transport

Dr. (Mrs.) S. M. Verma      Mr. A. K. Pattnaik      Mr. M. P. Sinha  
Mr. M. M. P. Yadav      Mrs. Sabita Kumari      Mr. Rajender Mahto

### Finance

Dr. Animesh Ghosh      Mrs. A. Mukherjee      Mr. A. K. Singh

### PA System

Dr. S. Solanki      Mr. Kundu  
Electricity      Mr. S. S. Akhter      Mr. Manish  
Water Supply      Dr. B. Singh      Mr. B. N. Thakur  
Security      Mr. Joseph Horo      Mr. S. K. Chatterjee

### 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, 3<sup>rd</sup> 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:

<u>Division</u>	<u>Registration Ends</u>	<u>Program Starts on</u>
Pharmaceutics & Pharmacology	3 <sup>rd</sup> Nov 2014	7 <sup>th</sup> Nov 2014
Pharm. Chemistry	17 <sup>th</sup> Nov 2014	21 <sup>st</sup> Nov 2014
Pharmacognosy	1 <sup>st</sup> Dec 2014	5 <sup>th</sup> Dec 2014

(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. R. N. Gupta**  
Professor  
Coordinator QIP Cell  
Dept. of Pharm.  
Sciences & Technology  
BIT, Mesra, Ranchi  
(Jharkhand) - 835215

## Acknowledgement:

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:

Pharmaceutics & Pharmacology	Dr. (Mrs.) Trishna Bal (trishna.bal@bitmesra.ac.in) Dr. S. Banerjee (sbanerjee@bitmesra.ac.in)
Pharmaceutical Chemistry	Dr. Venketesan J. (venkatesanj@bitmesra.ac.in) Dr. Kishanta K. Pradhan (kkpradhan@bitmesra.ac.in)
Pharmacognosy	Dr. (Mrs.) A. Pandey (animapandey11@gmail.com) Dr. Abhimanun Dev (abhimanuyudev@bitmesra.ac.in)

## QIP Cell

**Dr. Manik Ghosh**  
09430360991

**Dr. Sandeep K. Singh**  
09234653731

**Phone:** 0651 – 2276247  
**Fax:** 0651 – 2275290  
**E-mail:** pharmqip@bitmesra.ac.in

**AICTE**  
SPONSORED

## QUALITY IMPROVEMENT PROGRAMME 2014 ON

### RECENT ADVANCES IN BIOPHARMACEUTICS

(Division of Pharmaceutics & Pharmacology)  
7<sup>th</sup> Nov to 20<sup>th</sup> Nov, 2014

### AUTOMATION IN DRUG DISCOVERY

(Division of Pharmaceutical Chemistry)  
21<sup>st</sup> Nov to 4<sup>th</sup> Dec, 2014

### APPLICATION OF BIOTECHNOLOGY IN MODERN PHARMACOLOGY

(Division of Pharmacognosy)  
5<sup>th</sup> Dec to 18<sup>th</sup> Dec, 2014

ORGANISED  
BY



**DEPARTMENT OF PHARMACEUTICAL  
SCIENCES & TECHNOLOGY**  
(UGC-SAP & DST-FIST Supported Department)  
**BIRLA INSTITUTE OF TECHNOLOGY**  
MESRA-835215, RANCHI (JHARKHAND)

## 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 decade 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 established in 1972 is playing a leading role in imparting Pharmaceutical education in the country. It has B. Pharm., M. Pharm. & Ph.D. programs recognized by PCI, AICTE, UGC and DST. The Department has been recognized as Center for AICTE sponsored Quality Improvement Programs. The Department has state of art instrumentation facility viz. HPLC, HPTLC, Prep-HPLC, Flash chromatography, FTIR, DSC, Nano-spray dryer, Ultracentrifuge, Probe sonicator, Texture analyzer, lyophilizer etc. It has Medicinal Plants Garden spread over 10 acres of land having extraction and processing unit. Department has animal house approved by CPCSEA. 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.

## AICTE SPONSORED QUALITY IMPROVEMENT PROGRAMME

Department of Pharmaceutical Sciences & Technology has been organizing the Quality Improvement Programme for last six years. QIP 2014 would be seventh in this series.

QIP 2014 comprise of three programmes of two weeks duration each.

- 1. Pharmaceutics & Pharmacology Division:** Biopharmaceutics principles and its total aspects are utilized in rational drug design in drug delivery system and also to optimize the therapeutic efficacy of the drug in the patient. In clinical practice, pharmacokinetic principles are primarily used to characterize the relationships between drug dose and drug concentration–time profile. Attainment of the correct dosage regimen is of fundamental importance to maximize therapeutic efficacy and minimize toxicity. Thus the pharmacokinetic studies are a necessity in formulation development to provide desired therapeutic activity and safety for the patient. Recently significant advancement has been made in Pharmacokinetics and its application too. In this QIP emphasis will be given to Recent Advances in Biopharmaceutics and its applications in Bioavailability and Bioequivalence studies.
- 2. Pharmaceutical Chemistry Division:** The process of drug discovery revolves around identifying one molecule among millions of candidate molecules, followed by synthesis, characterization, screening and assay for therapeutic efficacy. There is need of wide range of automated instruments to increase the throughput across all stages of drug discovery. This program will cover the chronological development in the area of Instrumental Drug Analysis with special reference to basics, working principle, method development / validation and regulatory requirements besides modern hyphenated techniques.
- 3. Pharmacognosy Division:** The biotechnology has a great role to play to improve the basic research in relation to pharmacognosy. Today the enormous utility and success of the 'Plant Tissue Cultures' in bio production of a host of natural bio medicinal under stringent aseptic laboratory / pilot–scale conditions has virtually opened up several new approaches in the ever-expanding new era of biotechnology. Application of tissue -culture technique exclusively for carrying out the biosynthesis of secondary metabolites having pharmaceutical importance and significance, musters an excellent promise for the generation of need-based plant constituents. These aspects will be covered in programme.

## 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)

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 favour 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: Pharmaceutics & Pharmacology Division ( )

QIP 2: Pharmaceutical Chemistry Division ( )

QIP 3: Pharmacognosy Division ( )

(Signature of the Participant)

Date:

Forwarded by Principal / Head

(Signature with seal)

Paste  
Photo