

## ORGANIZING COMMITTEE

Chairman	Dr. P.K. Barhai	Vice-Chancellor
Coordinator QIP	Dr. P.R.P. Verma	Professor & Head
Departmental Coordinator	Dr. R. N. Gupta	Professor

Division	Course Coordinators
Pharmacognosy & Pharmacology	Dr. Shakti P. Pattanayak Dr. Uma Ranja Lal
Pharmaceutics	Dr. Sandeep K. Singh Dr. Animesh Ghosh
Pharmaceutical Chemistry	Dr. (Mrs.) S. M. Verma Mr. Arijit Basu

### Advisory Committee

Dr. D. Sasmal	Dr. B. N. Sinha	Dr. S. Samanta
Dr. S. Jha	Mrs. S. G. Panpalia	

### Reception, Inauguration & Valedictory

Dr. S. Jha	Dr. K. Jayaram Kumar
Mrs. Nibha Mishra	Dr. (Mrs.) Neelima Sharma
Mr. K. N. Singh	Mr. Rajender Mahto

### Registration & Course Materials

Dr. S. Samanta	Dr. (Mrs.) Papiya Mitra Mazumder
Mr. A. K. Pattnaik	Dr. (Mrs.) Trishna Bal

### Academic Coordination

Dr. (Ms.) S. Ganguly	Dr. Venketesan J.	Mr. D. M. Biyani
Mrs. Nibha Mishra	Dr. K. K. Pradhan	Dr. S. Banerjee

### Course Management & Technical Support

Dr. S. Banerjee	Dr. K. K. Pradhan	Mr. M. P. Sinha
Mr. S. P. Singh	Mr. P. K. Singh	Mr. Rajender Mahto

### Accommodation

Dr. Vinay Sharma	Dr. B. Karn	Dr. (Mrs.) M. Bhagat
Dr. (Mrs.) A. Pandey	Mr. B. Sarkar	Mr. M. M. P. Yadav

### Hospitality & Transport

Dr. S. Samanta	Dr. (Mrs.) A. Pandey	Mr. A. Basu
Dr. S. Banerjee	Mr. M. P. Sinha	Mr. M. M. P. Yadav

### Finance

Dr. Animesh Ghosh	Mrs. Archana Mukherjee	Mr. A. K. Singh
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PA System	Dr. S. Solanki	Mr. Kundu
Electricity	Dr. D. K. Mohanta	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:

To and fro, sleeper class railway fare through shortest route will be given. Accommodation will be arranged with prior intimation.

### Important Dates:

Division	Registration Ends	Program Starts on
Pharmacognosy & Pharmacology	May 20, 2013	May 27, 2013
Pharmaceutics	June 04, 2013	June 11, 2013
Pharm. Chemistry	June 18, 2013	June 25, 2013

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

Mail your Registration Form duly filled to:

Dr. P.R.P. Verma  
Professor & Head  
Coordinator - QIP  
Dept. of Pharm. Sciences  
BIT, Mesra, Ranchi  
(Jharkhand) - 835215  
pharmqip@bitmesra.ac.in

OR

Dr. R. N. Gupta  
Professor  
Departmental Coordinator  
Dept. of Pharm. Sciences  
BIT, Mesra, Ranchi  
(Jharkhand) - 835215  
pharmqip@bitmesra.ac.in

## ACKNOWLEDGEMENT

All correspondence will be made through E-mail only. Please mention your E-mail ID correctly in CAPITAL Letters.

For any further information, respective coordinators may please be contacted.

### Pharmacognosy & Pharmacology Division:

Dr. Shakti P. Pattanayak (sppattanayak@bitmesra.ac.in / 09470944722)  
Dr. Uma Ranja Lal (uma@bitmesra.ac.in / 08986815195)

### Pharmaceutics Division:

Dr. Sandeep K. Singh (sandympharm@yahoo.com / 09234653731)  
Dr. Animesh Ghosh (aghosh@bitmesra.ac.in / 09470339587)

### Pharmaceutical Chemistry Division:

Dr. (Mrs.) S. M. Verma (smverma@bitmesra.ac.in / 09534047294)  
Mr. Arijit Basu (abasu@bitmesra.ac.in / 09430353750)

### QIP Cell

Dr. Manik Ghosh 09430360991	Mr. Abhimanyu Dev 09955165915
Mr. Biswatrish Sarkar 09430764892	Dr. Kishanta K. Pradhan 08987455117
Phone: Fax: E-mail:	0651 - 2276247 0651 - 2275290 pharmqip@bitmesra.ac.in

## AICTE SPONSORED

## QUALITY IMPROVEMENT PROGRAMME 2013

ON

### NEWER PERSPECTIVES IN ETHNOPHARMACOLOGICAL RESEARCH

(Division of Pharmacognosy & Pharmacology)  
27th May to 10th June, 2013

### RECENT INNOVATIONS IN DRUG DELIVERY: ADDRESSING THE BIOAVAILABILITY PROBLEM

(Division of Pharmaceutics)  
11th June to 24th June, 2013

### SYSTEMATIC APPROACHES TO RATIONAL DRUG DESIGNING FOR DISCOVERY AND DEVELOPMENT OF MEDICINALS

(Division of Pharmaceutical Chemistry)  
25th June to 8th July, 2013

ORGANISED BY



DEPARTMENT OF PHARMACEUTICAL SCIENCES  
(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 Mr. 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

The Department of Pharmaceutical Sciences, 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 has been organizing the Quality Improvement Programme for last six years. QIP 2013 would be seventh in this series. QIP 2013 comprise of three programmes of two weeks duration each.

**1. Pharmacognosy & Pharmacology Division:** Ethnopharmacology as discipline has build up its emancipation by improving new methodologies. Its legitimacy has been founded in the respect for traditional

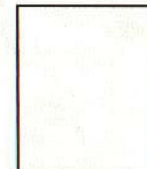
therapeutic knowledge and in the valorization of natural resources. The intellectual and methodological plurality of ethnopharmacology research poses a variety of theoretical and practical challenges including collection & identification of bio-resources, identification of targets and pharmacological mechanisms of bioactive natural products. Moreover, during this QIP emphasis will be given to the effectiveness of traditional medicines, particularly biological evaluation of natural compounds on the disease models such as Cancer, Diabetes, Cardiovascular, Obesity, Inflammation, etc.

**2. Pharmaceuticals Division** would focus upon recent innovations in drug delivery in combating the bioavailability problems. The dramatic increase of poorly water soluble drug candidates have made it more intricate to guarantee the delivery of new chemical entities. This issue accentuates the need for novel and innovative drug delivery methods to combat the problems with solubility, stability and bioavailability. During the programme, emphasis will be on novel drug delivery system such as lipid & silk based delivery, liposomal delivery, macromolecular based delivery, co-crystal & co-amorphous drug delivery etc. which can tackle the need through discussions of the issues, opportunities, and latest innovations in the formulation and drug delivery space.

**3. Pharmaceutical Chemistry Division:** The art of discovery and development of medicinal(s) has been systematized through various approaches of CADD. This program will provide a platform for sharing expertise on the important therapeutic areas such as anticancer, antiviral, metabolic disorders, neurodegenerative disorders etc. The program would cover most of the aspects of drug designing and discovery through series of lectures and practical hands on training sessions, which include introductory aspects of drug designing and discovery, structure and ligand based drug designing approaches, virtual screening, molecular modeling, combinatorial synthesis, drug development through high throughput techniques etc.

## 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 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 & Participant in** (please tick)

QIP 1: Pharmacognosy & Pharmacology Division ( )

QIP 2: Pharmaceutical Chem. Division ( )

QIP 3: Pharmaceuticals Division ( )

(Signature of the Participant)

Date: \_\_\_\_\_

(Signature with seal)

Forwarded by Principal / Head