

## **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 needs of one of the most under develop region of the country. The institute over last decade ranked well within top ten of the best Technical Universities of the country. The Institute offers Undergraduate, Postgraduate as well as Doctoral Programs in Engineering & Technology, Applied Sciences, Pharmaceutical Sciences, Biomedical Instrumentation, Biotechnology, Business Management, Hotel Management & Catering Technology etc.

Birla Institute has produced over 20,000 degree holders in Engineering & Technology and other allied branches and over 2500 Postgraduates and number of PhDs. in various areas. The Institute has been active in International ventures and tie-ups - It has collaboration with Industry, R&D organizations and Universities in U.S.A., U.K., China, Canada, France, etc.

## **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 P.C.I., A.I.C.T.E., U.G.C. and D.S.T. The Department has been recognized as Center for AICTE sponsored Quality Improvement Programs. The Department has in-house facilities for analysis of drugs with sophisticated instruments such as HPLC, HPTLC, UV, IR, CHN, GC etc. It has Medicinal Plants Garden spread over 10 acres of land with well equipped extraction unit for volatile oils. Department has animal house approved by CPCSEA. The faculties of the Department are 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 viz. Schrodinger's Maestro Suit, Tripos Sybyl base, Flexidock, Autodock, Chemoffice and other related software. It is also supported by PARAM 10,000 supercomputer stationed in the institute.

## **AICTE SPONSORED QUALITY IMPROVEMENT PROGRAMME**

Department of Pharmaceutical Sciences has been organizing the short term training programme for last three years. QIP 2009 would be third in this series.

The objective of QIP is to refresh and update the knowledge of teachers working in different pharmacy institutions across the country. QIP 2009 comprise of three programmes of two weeks duration each.

1. **Pharmaceutical Chemistry & Pharmacology Division** would address the issues related to different modern approaches being practiced for drug discovery encompassing advances in synthetic methods, insilico design concepts, analytical tools (FT-IR, HPLC, HPTLC, GC, and LC-MS etc.), Preclinical pharmacology & toxicology techniques, generation and identification of natural leads etc.
2. **Pharmacognosy Division** would focus on safe monitoring of herbal medicines, sustainable use of medicinal plant resources, evaluation of efficacy and quality of traditional medicine and development of analytical profile and herbal formulation etc.
3. **Pharmaceutics Division** would take up one of the thrust area of pharmaceutical research & targeted drug delivery systems. They would address the important approaches including prodrugs, liposomes, micro and nanoparticles, neosomes, neoglycoproteins etc. Deliberation would be interesting to enumerate the advantages of such an approach over conventional drug delivery system.

## **REGISTRATION FORM**

(Photocopies may be used)

Name: \_\_\_\_\_

(in capital letters)

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 subjected to attending the course.)

Interested to Register & Participant in

\_\_\_\_\_

\_\_\_\_\_

Division \_\_\_\_\_

(Signature of the Participant)

Date:

Forwarded by Principal / Head

(Signature with seal)

<b>Organizing Committee</b>		
Patron:	Dr. H. C. Pande	Vice-Chancellor Emeritus
Chairman:	Dr. P. K. Barhai	Vice-Chancellor
Chief Coordinator – QIP:	Dr. D. Sasmal	Professor & Head
Coordinator – QIP Cell:	Dr. B. N. Sinha	Professor

<b>Course Coordinators</b>		
Pharm. Chemistry & Pharmacology Division:	Dr. (Ms.) S. Ganguli	
Pharmacognosy Division:	Dr. (Mrs.) P. M. Mazumder	
Pharmaceutics Division:	Dr. R. N. Gupta	
	Ms. Trishna Bal	
<b>Advisory Committee:</b>		
Prof. S. P. Bhatnagar	Dr. G. M. Panpalia	Prof. C. M. Prasad
Dr. P. R. P. Verma	Dr. S. Samanta	Dr. S. Jha
<b>Reception, Inauguration &amp; Valedictory:</b>		
Dr. S. Jha	Mrs. S. G. Panpalia	Mrs. S. M. Verma
Ms. Anima Pandey	Mrs. Nibha Mishra	Ms. Trishna Bal
Mr. M. P. Chopra	Mrs. Manjulee Kumari	Dr. (Mrs.) Neelima Sharma
<b>Registration &amp; Course Materials:</b>		
Dr. S. Samanta	Mrs. S. M. Verma	Mr. A. K. Pattnaik
Mr. A. Basu	Dr. (Mrs.) N. Sharma	Mr. Ashok Kumar
<b>Academic Coordination:</b>		
Dr. (Mrs.) Aruna Jain	Dr. Ashok Sharan	Mr. Venketesan J.
Mrs. Nibha Mishra	Mr. S. P. Pattanayak	Mr. Abhimanyu Dev
<b>Accommodation:</b>		
Dr. A. K. Chatterjee	Dr. Anand K. Sinha	Ms. Anima Pandey
Mr. B. Sarkar	Mr. Sandeep K. Singh	Mr. M. M. P. Yadav
<b>Hospitality &amp; Transport:</b>		
Mr. A. Basu	Mr. S. P. Pattanayak	Mr. M. P. Chopra
Mr. M. M. P. Yadav	Mr. K. N. Singh	Mr. Ashok Kumar
<b>Course Management &amp; Technical Support:</b>		
Dr. S. Samanta	Mr. S. P. Pattanayak	Mr. M. P. Chopra
Mr. S. P. Singh	Mr. P. K. Singh	Mr. Ashok Kumar
Mr. Shailesh Singh	Mr. Rajender Mahto	
<b>Finance:</b>		
Dr. P. C. Joshi	Sri G. S. Sharma	Dr. S. Jha
Mr. I. K. Mishra		
P.A. System:	Prof. M. Puri	Mr. E. Tuddu
Electricity:	Dr. D. K. Mohanta	
Security:	Sri S. S. Thapa	

#### Who May Attend?

Teachers from Degree & Diploma Institutes in Pharmacy approved by AICTE / PCI

#### Travel & Accommodation:

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

#### Important dates:

<u>Division</u>	<u>Registration Ends</u>	<u>Program Starts on</u>
Pharm. Chemistry & Pharmacology	24 <sup>th</sup> April 2009	4 <sup>th</sup> May 2009
Pharmacognosy	8 <sup>th</sup> May 2009	18 <sup>th</sup> May 2009
Pharmaceutics	22 <sup>nd</sup> May 2009	1 <sup>st</sup> June 2009

**(Limited to 30 participants)**

#### Mail your Registration Form duly filled to:

**Dr. D. Sasmal**  
Professor & Head  
Chief Coordinator of QIP  
Dept. of Pharm. Sciences  
BIT, Mesra, Ranchi  
(Jharkhand)  
[pharmqip@bitmesra.ac.in](mailto:pharmqip@bitmesra.ac.in)

**Dr. B. N. Sinha**  
Professor  
Coordinator of QIP Cell  
Dept. of Pharm. Sciences  
BIT, Mesra, Ranchi  
(Jharkhand)  
[pharmqip@bitmesra.ac.in](mailto:pharmqip@bitmesra.ac.in)

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

#### Pharmaceutical Chemistry & Pharmacology Division:

Dr. (Ms.) S. Ganguli ([swastikaganguly@bitmesra.ac.in](mailto:swastikaganguly@bitmesra.ac.in))  
Dr. (Mrs.) P. M. Mazumder ([papiya\\_mm@rediffmail.com](mailto:papiya_mm@rediffmail.com))

#### Pharmacognosy Division:

Dr. K. Jayaram Kumar ([jayaram\\_res@yahoo.com](mailto:jayaram_res@yahoo.com))  
Ms. Anima Pandey ([anima\\_pandey@rediffmail.com](mailto:anima_pandey@rediffmail.com))

#### Pharmaceutics Division:

Dr. R. N. Gupta ([roopgupta@sify.com](mailto:roopgupta@sify.com))  
Ms. Trishna Bal ([trishna.bal@gmail.com](mailto:trishna.bal@gmail.com))

**Phone:** 0651 – 2276247  
**Fax:** 0651 – 2275290  
**E-mail:** [pharmqip@bitmesra.ac.in](mailto:pharmqip@bitmesra.ac.in)

#### QIP Cell

**Mr. Manik Ghosh:** 09430360991  
**Mr. Abhimanyu Dev:** 09955165915  
**Mr. Biswatrish Sarkar:** 09430764892

**AICTE**  
SPONSORED

## QUALITY IMPROVEMENT PROGRAMME 2009

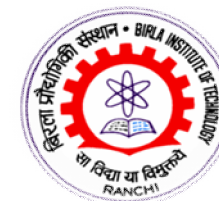
ON

**DRUG DISCOVERY APPROACHES**  
(Division of Pharmaceutical Chemistry & Pharmacology)  
**May 4 – 16, 2009**

**EMERGING TRENDS IN HERBAL DRUG  
TECHNOLOGY**  
(Division of Pharmacognosy)  
**May 18 – 30, 2009**

**ADVANCES IN TARGETED DRUG DELIVERY  
SYSTEMS**  
(Division of Pharmaceutics)  
**June 01 – 13, 2009**

ORGANISED  
BY



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