

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 among top of the best Technical Universities of the country. The Institute offers Undergraduate, Postgraduate and Doctoral Program

DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY

The Department of Pharmaceutical Sciences & Technology, Birla Institute of Technology established in 1972. The department caters the needs of Pharmaceutical Education in this part of the country having B. Pharm, M. Pharm. in five disciplines & Ph. D. programs recognized by PCI, AICTE, UGC and DST. The Department has been ranked 11th in the country by NIRF/MHRD, Govt. of India during 2018-19. Meritorious students (GPAT & Non GPAT) from all over India can avail opportunities for higher education. The Department has been recognized as Q.I.P centre by AICTE. Department has been conducting Q.I.P programs for last 11 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 plant garden spread over in five acres of land. Department is actively involved in research encompassing Synthetic Chemistry, Analytical Chemistry, Natural Products' Chemistry, Novel Drug Delivery System, Molecular Pharmacology, 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 has been organizing the Quality Improvement Programme for last eleven years.

The current QIP Programme comprises of three programmes of two weeks duration each.

1. Pharmacology and Pharmacognosy Division: Cancer is one of the principal causes of mortality and morbidity around the globe and the number of cases is constantly increasing estimated to be 21 million by 2030. There are so many methods for the treatment of cancer like surgery, radiotherapy, immunotherapy, chemotherapy, cancer vaccinations, photodynamic therapy, stem cell transformation or combination thereof often accompanied by severe side effects. Phytomolecules are expected to revolutionize cancer treatment in the next decade. High biodegradability and biocompatibility have increased the efficacy of these phytomolecules in cancer therapy. Few such potential anticancer phytochemicals such as Curcumin, epigallocatechin, isothiocyanates, gossypol, sulforaphane, garcinol, etc. are still on research on different models/in clinical trials for evaluation

of their effectiveness and toxicological documentation. Besides this green bionanomaterials/synthesis of targeted nanoparticles containing phytochemicals with multimodal therapeutic approach for cancer are under investigation as the next generation therapy. Thereby, the current QIP-program will aim to address significant applications of the green therapeutic approaches in cancer theranostics and the hurdles in their way to clinical trials.

2. Pharmaceutics Division: focuses the recent innovations in formulation development and the best practices in hospital pharmacy. Innovation is the key for the sustainability of Pharmaceutical Industry. Research on the cutting-edge Science, creation of new knowledge bases, discoveries of new medicines, the improvement of existing drug molecules, and the innovation in formulation strategies constitute the fuel that propels the thrust for the pharmaceutical industry. The most defining hallmarks of the Pharmaceutical Industry is the occasional triumph of creating a novel therapy in an area with no prior treatments counts. Ensuring quality assurance of medicines and GPP are now an essential requirement for better pharmaceutical care to patients in hospital pharmacy. Innovation is a step in the right direction and each step towards innovation is important. Best practices are also part of innovation; therefore, it is not only important in showcasing the latest high-tech and organization-changing innovations but also the smaller steps on middle and lower levels is highly important to ensure the high-quality service to the patients.

3. Pharmaceutical Chemistry Division: Growing interest in the evolution of Pharmaceutical Drugs had made to bring certain analytical techniques into limelight. Apart from traditional application of these techniques in extraction, purification and characterization of medicinally important compounds, they also found their application in newer areas like drug-target interaction, metabolite identification and profiling etc. The overall drug development process requires robust and accurate analytical methods able to support all stages of Drug discovery and development with regulatory requirements to ensure quality output at every stage. This program is aimed at providing a platform to discuss the newer application of these techniques, various regulatory agencies and regulatory requirements in these emerging areas of drug discovery and development. Separation techniques (HPLC, HPTLC); Spectroscopic techniques (UV-Vis, IR, Raman); Thermal techniques (DSC, TGA); NMR; MS; X-ray crystallography and hyphenated techniques like LC-IR; LC-NMR & LC-MS; LC-MS-MS will be covered during the session. Experts from academia and Industry will be sharing their experiences with the participants. Departmental Instrumentation Facility and Central Instrumentation Facility (CIF) in Birla Institute of Technology will be handling the practical session.

REGISTRATION FORM

(All fields are Mandatory.)

Please fill the form in Capital letters only including E-mail ID)

(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 _____

Division _____

(Signature of the Participant)

Date: _____

Forwarded by Principal / Head

Mobile No. :

(Signature with seal)

Organizing Committee

Patron : Dr. S. Konar *Vice-Chancellor*
Chief Coordinator QIP : Dr. S. Samanta *Professor & Head*
Coordinator QIP : Dr. K. Jayaram Kumar *Professor*

Course Coordinators

Pharmacognosy & : Dr. Anima Pandey
Pharmacology Division : Dr. S.P. Pattanayak
Pharmaceutics Division : Dr. R.N. Gupta
Dr. Animesh Ghosh
Pharmaceutical Chem. Division : Dr. Venkatesan J
Dr. K.K. Pradhan

Advisory Committee:

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

Reception, Inauguration & Valedictory:

Dr. Swastika Ganguly Mrs. S. G. Panpalia
Dr. (Mrs.) S. M. Verma Mr. Sarad Kumar

Registration & Course Materials:

Dr. (Mrs.) P. M. Mazumder Dr. Trishna Bal
Mr. Shailesh Kr. Singh Mrs. Sabita Kumari

Course Management & Technical Support:

Dr. Abhimanyu Dev Dr. Manik Ghosh
Dr. Sandeep Kumar Singh Mr. Ashutosh Behera

Hospitality & Accommodation:

Dr. Anand Sinha Dr. (Mrs.) Neelima Sharma
Dr. Ashok Patnaik Mr. Sanjeev K. Singh

Transport:

Dr. Biswatrish Sarkar Mr. Niraj Lakra

Finance:

Dr. (Mrs.) Neelima Sharma Dr. B. Sarkar
Mrs. A. Mukherjee Mr. A. K. Singh
Mr. Rajender Mahto
PA System Dr. A Mustafi Mr. Phulendar Mahto
Electricity Dr. P. R. Thakura Mr. Manish
Water Supply Dr. Naresh Kumar Mr. Vinod Kr. Singh
Security Dr. Anand Sinha Mr. K.M. Singh

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

IMPORTANT DATES:

Division	Registration Ends	Program Starts on
Pharmacology & Pharmacognosy	2nd Feb. 2020	7th Feb. 2020
Pharmaceutics	16th Feb. 2020	21st Feb. 2020
Pharm. Chemistry	1st March 2020	6th March 2020

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

Mail your Registration Form duly filled to pharmqip@bitmesra.ac.in and hard copy to address below

DR. S. SAMANTA

Professor & Head
Chief Coordinator – QIP
Dept. of Pharm. Sciences & Technology
BIT, Mesra, Ranchi 835215 (Jharkhand)

or

DR. K. JAYARAM KUMAR

Professor
Coordinator – QIP
Dept. of Pharm. Sciences & Technology
BIT, Mesra, Ranchi 835215 (Jharkhand)

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.

PHARMACOGNOSY AND PHARMACOLOGY DIVISION

Dr. (Mrs.) A. Pandey (animapandey11@gmail.com)
Dr. S.P. Pattanayak (sppattanayak@bitmesra.ac.in)

PHARMACEUTICS DIVISION

Dr. R. N. Gupta (rngupta@bitmesra.ac.in)
Dr. Animesh Ghosh (aghosh@bitmesra.ac.in)

PHARMACEUTICAL CHEMISTRY DIVISION

Dr. Venkatesan J (drvenkatesanj@gmail.com)
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AICTE
Sponsored

QUALITY IMPROVEMENT PROGRAMME

ON

A Green Therapeutic Approach Towards Cancer

(Division of Pharmacognosy and Pharmacology)

February 07 – 20, 2020

Application of Recent Innovations in Industry and Hospital Pharmacy

(Division of Pharmaceutics)

February 21 – March 05, 2020

Application of Modern Analytical Techniques in Drug Discovery and Development

(Division of Pharmaceutical Chemistry)

March 06 – 19, 2020

ORGANISED BY :



DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY

(UGC-SAP & DST-FIST Supported Department)

BIRLA INSTITUTE OF TECHNOLOGY

MESRA-835215, RANCHI (JHARKHAND)

