REGISTRATION FEE

- Foreign Participants: US$ 200
- Students* (UG, PG, PhD): Rs. 1000
- Faculty / Scientist: Rs. 2000
- Industry Members: Rs. 5000
- Fee for SC/ST Students: Rs. 500

Note: Registration fee includes only instructional materials and experimental facility not for accommodation.

REGISTRATION WORK FLOW

MHRD-GIAN is a global program, participants are required to register online at GIAN portal: http://www.gian.iitkgp.ac.in. Follow instructions at “Courses Registration Portal” and submit login details with brief academic details. Rs. 500 has to be paid online for registration at GIAN portal. Participants then need to select course Substances of Abuse: Pre and Postnatal Exposure: Pharmacological Effects and Analytical Methods of Detection from the list at “Course Registration”. Selected participants will be informed by e-mail and they need to submit the “Course Registration Fee” by Demand Draft in the favor of “The Registrar, Dr. Harisingh Gour Vishwavidyalaya, Sagar.”

ACCOMMODATION

Accommodation, if required could be arranged for the participants on payment basis subject to availability. For accommodation booking participant may contact the course coordinator.

PATRON

Prof. R. P. Tiwari
Vice- Chancellor
Dr. Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh (India)
(A Central University)

PROGRAM ADVISORS

Prof. R. A. Singh
Director
Academic Affairs

Prof. S. K. Shrivastav
Head
Department of Chemistry

Prof. A. K. Banerjee
Dean
School of Chemical Science & Technology

Dr. Devasish Bose
Local Coordinator for GIAN
Department of Criminology & Forensic Science

COURSE COORDINATOR

Dr. Abhilasha Durgbanshi
Department of Chemistry
Dr. Harisingh Gour Vishwavidyalaya, Sagar, India.
Contact: 9407504050
Email: abhiasha126@gmail.com
GIAN Portal: http://www.gian.iitkgp.ac.in
University web: http://www.dbhsasu.ac.in

HOW TO REACH

Sagar is a Divisional head quarter, well connected by rail and all seasons roads. Sagar railway station is mentioned as Saugor in Railway time table. Saugor station is located on Bina-Karni section of West central Railway. It is directly connected by train to Bina Jn. (75 km), Jabalpur (279 km) and Jhansi (200 km). It has direct train connectivity for: Delhi, Mumbai, Kolkata. Sagar is connected with all season excellent roads with Bhopal (190 km), Jabalpur (185 km), Jhansi (200 km) and Bina (75 km). Nearest airport: Bhopal (200 km).

A Course Under
Global Initiative of Academic Networks
Ministry of Human Resource Development
Government of India

Substances of Abuse: Pre and Postnatal Exposure:
Pharmacological Effects and Analytical Methods of Detection

5th – 11th September, 2016

By
Expert Foreign Faculty
Dr. Simona Pichini
National Institute of Health, Rome, Italy

Organized by
Department of Chemistry
Dr. Harisingh Gour Central University
Sagar- 470003 (MP) India.
Contact: 9407504050
Email: abhiasha126@gmail.com
SCOPE OF THE PROGRAM

MHRD has approved a new program titled Global Initiative of Academic Networks (GIAN) in higher education aimed at tapping the talent pool of scientists and entrepreneurs, internationally to encourage their engagement with the institute of higher education in India so as to augment the country's existing academic resource, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence. In order to garner the best international experience into our system of education, enable interaction of students and faculty with the best academic and industry expert from all over the world and share their experience and expertise to motivate people to work on Indian problems.

A one-week course on “Substances of Abuse: Pre and Postnatal Exposure: Pharmacological Effects and Analytical Methods of Detection” is organized at University. This course will have expert foreign faculty Dr. Simona Pichini from Italy. The program will cover sharing of knowledge among students, faculties, and researchers.

ABOUT THE COURSE

Internationally acclaimed researcher and practitioner with proven knowledge, experience in the field of analytical and clinical toxicology due to drug of abuse will deliver lectures, exposing participants to the fundamentals of pharmacology of substances of abuse practices, enhancing the capability of the participants to identify, control and handle alternative biological matrices, building in confidence and capability amongst the participants in the application of the most sensible and specific chromatography methodologies, providing exposure to practical problems and their solutions, through case studies from real clinical scenarios. The main emphasis will be on child and mother health.

ABOUT THE FOREIGN FACULTY

A Doctor in Pharmacy and European PhD in Clinical Pharmacology she works as a senior investigator at the Drug Dependence and Doping Unit, National Observatory on Tobacco, Alcohol and Drugs of Abuse, National Institute of Health, (Istituto Superiore di Sanità- ISS), Rome, Italy. Dr. Pichini is also the Supervisor of National Quit Lines on Tobacco Smoking, Alcohol and Doping, Incharge of analytical laboratory on drugs and doping agents in non-conventional matrices related to clinical and forensic pharmacology. She is also a member of Italian National counterpart on alcohol policy at World Health Organization, Anti-doping Inspector of DCO at National sports competitions and Member of the Official Board of the Society of Hair Testing. She is author of over 250 articles published in inter-national scientific journals with high impact factor and Member of the Editorial Board in many scientific journals.

WHO CAN PartICIPATE

Academician and researcher with scientific interest in drug of abuse, mother and child health i.e. biologists, Chemists, toxicologists, pharmacologist, forensic experts are welcome to participate in the course. Students at the level of graduate, post-graduate, doctoral and post doctoral fellows are also encouraged to participate in the program. Industry members are particularly stimulated to participate with a vision to move further in establishing platform for analytical methods used to detect drug of abuse.

COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture 1</th>
<th>Lecture 2</th>
<th>Lecture 3</th>
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<tbody>
<tr>
<td>07 SEPTEMBER 2016 (WEDNESDAY)</td>
<td>Amphetamine, Methamphetamine and Related Drugs, Designer Drugs Derived from Amphetamines, Overdoses and Fatalities from Amphetamines and Related Drugs.</td>
<td>Barbbituates &amp; Benzodiazepines.</td>
<td>Gas Chromatography, Instrumentation, Columns &amp; Column Packing, Derivatization for GC.</td>
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<tr>
<td>08 SEPTEMBER 2016 (THURSDAY)</td>
<td>Alcoholic Beverages, Different types of alcoholic drink, Effect of alcohol on body.</td>
<td>High Performance Liquid Chromatography-I, General consideration, Column and column packings.</td>
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<tr>
<td>09 SEPTEMBER 2016 (FRIDAY)</td>
<td>Cannabinoids, Metabolism of THC, THC Overdose</td>
<td>Opiates and synthetic opiates, Pharmacology of Opiates</td>
<td>Detection in HPLC, LC-Tandem MS Experiment</td>
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<tr>
<td>10 SEPTEMBER 2016 (SATURDAY)</td>
<td>Cocaine, Pharmacology of Cocaine, Abuse of Cocaine and Alcohol</td>
<td>Fatality from Cocaine and Cocalethylene</td>
<td>Troubleshooting Evaluation of the participants</td>
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<tr>
<td>11 SEPTEMBER 2016 (SUNDAY)</td>
<td>Validictory function</td>
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