Registration Fee

Foreign Participants : US\$ 200
 Students (UG, PG.,) : RS 800
 Faculty / Scientist : RS 1500
 Ph.D./Post doc Fellows : RS 1000
 Sport Person : Rs 1000
 Member of SAI : Rs 1000

On Spot Registration (Limited): RS 5000
 Fee for SC/ST Students: Rs 500

Note: Registration fee includes only tuit

Note- Registration fee includes only tuition fee, instructional materials but not for accommodation.

Registration Work Flow

MHRD- GIAN is a global program where 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 to be paid online for registration at GIAN portal. Participants then need to select <a href="https://pharmacology.org/pharmacolog

Accommodation

Accommodation, if required could be arranged on payment basis subject to availability. For accommodation booking participant may contact with course coordinator well in advance.

PATRON

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

PROGRAM ADVISOR

Prof. A.N Sharma
Director
Academic Affairs

Prof. Farid Khan **Dean and Head**

School of Chemical Science and Technology

Prof. Devasish Bose
University Coordinator GIAN
Department of Criminology and Forensic
Science

COURSE COORDINATOR

Dr. Abhilasha Durgbanshi
Department of Chemistry
Dr. Harisingh Gour Vishwavidyalaya, Sagar
(A Central University)
Contact-+91- 9407504050
Email:abhiasha@gmail.com







A Course Under Global Initiative of Academics Affairs Government of India One week Course On

16th -21st September 2019 Pharmacology and Toxicology of Doping Agents and International Overview in the Field of Doping Control



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





Organized By
Department of Chemistry
Dr. Harisingh Gour Vishwavidyalaya
Sagar, (M.P.)

About the Course

Doping is nowadays a global problem, that not only interests elite athletes involved in international sporting events worldwide, but also recreational athletes and young population in search of physical and psychological maximum performance.

For the past half century, International sports federations, led by the International Olympic Committee, have attempted to stop the spread of this problem, with little effect. It was expected that, with educational programs, testing, and supportive medical treatment, this substance-abusing behavior would decrease. Unfortunately, till now this has not been the case...

Since 21st century World Anti Doping Agency (WADA) established a very strict ethical code and a detailed list of prohibited substances and methods. Nevertheless, new, more powerful and undetectable doping techniques and substances are now abused by professional and non professional athletes, while sophisticated networks of distribution (eg. Websites on internet) have also been developed. Professional athletes are often the role models of adolescents and young adults who often mimic their behaviors and physical performance. Anti doping, forensic and pharmacotoxicological laboratories need to know the complex problems of detection of doping agents in biological matrices and establish educational program for young population, health professionals and policy makers.

About the Expert Faculty



Simona Pichini

A Doctor in Pharmacy and European Ph.D. in Clinical Pharmacology. She works as senior investigator at the National centre on Addiction and Doping, National Institute of Health, Rome, Italy. Doctor Pichini is also the supervisor of national free phone line on tobacco smoking, alcohol and doping. In-charge of analytical laboratory on drugs and doping agents in conventional and non-conventional matrixes related to clinical and forensic pharmacotoxicology. She is also a member of Italian national counter part on alcohol policy at WHO, antidoping inspector of DCO at national sport competitions. She is author of over 300 articles published in international scientific journal with high impact factor and member of the editorial board to many scientific journals

Who can Participate

Academicians and researchers with scientific interest in doping i.e. Officers of doping control unit, biologists, chemists, toxicologists, pharmacologists, forensic experts, members of SAI, sports person 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.

Course Schedule

Day 1 -

Lecture 1- WADA legislation all over the word, WADA organization.

Lecture 2- Pharmacotoxicology of prohibited substances in the WADA list as detailed: Non-approved substances - Anabolic steroids, hormones and peptide **Tutorial 1 -**

How to validate an analytical qualitative-quantitative method for doping agents. All possible methods of detection of doping agents as now carried out in all the National Antidoping Authorized Laboratories will be explained

Day 2 -

Lecture 3 - Beta-2 agonists, hormone and metabolic modulators, diuretics and masking agents.

Lecture 4 – Stimulants, narcotics

Tutorial 2- Method Development, Validation as per different guidelines.

Day 3 -

Lecture 5- Non-approved substances- growth factors, related substances, and mimetics

Lecture 6 - Cannabinoids, Glucocorticoids

Tutorial 3 – How to write and publish a research article on doping agents

Day 4 -

Lecture 7- Medicalization of the athletes

Lecture 8- Organization of an antidoping laboratory and analysis of doping agents of different classes

Tutorial 4- Case study

Day 5-

Lecture 9 - Chemical and physical manipulation, gene doping

Lecture 10 - Use over time and international cases.

Tutorial 5- Evaluation of participants; Discussions and problem solving

Day 6

Course evaluation by participants. Valedictory and certificate distribution