Prof. (Dr.) Nitin R. Karmalkar
Hon'ble Vice-Chancellor,
Savitribai Phule Pune University

Dr. N. S. Umarani
Hon'ble Pro-Vice Chancellor,
Savitribai Phule Pune University

Prof. S. P. Gejji
Head, Department of Chemistry,
Savitribai Phule Pune University,

Prof. Saroj Ghaskadbi
Local Co-ordinator
Department of Zoology,
Savitribai Phule Pune University

Prof. Avinash Kumbhar
Course Co-ordinator
Department of Chemistry,
Savitribai Phule Pune University

Course Details

March 5 - 10, 2018

Fees

One-Time GIAN Registration: Visit
http://www.gian.iitkgp.ac.in/GREGN/
Students/faculty of SP Pune University: No fee, but registration is must.

Colleges affiliated to SP Pune University : 500/-

Students/faculty affiliated to other universities, academic institutions, research institutes etc. : 1000/-

Students/Scientists from industry: : 1500/-

Out-station candidates need to arrange for transport and accommodation on their own. Full attendance necessary to be eligible for certificate of participation/attendance. Appearing for evaluations/examinations during the course is necessary for certificate.

COURSE REGISTRATION FORM

A Course under MHRD-GIAN

On

Medicinal Inorganic Chemistry

March 5 – 10, 2018

Full Name : .....
Designation : .....
Affiliation : .....
Address for Correspondence : .....
.....
.....
Mobile No. : .....
Email : .....
Course Registration Category : .....
Fee :..... **DD/Multicity Cheque No. :** .....
Bank Name : ..... **Date :** .....

All the payments shall be made by "DD/Multicity-Cheque" drawn in favour of "The Finance and Accounts officer, Savitribai Phule Pune University, Pune" payable at Pune.

Signature with date

Duly filled in registration form (original or scanned copy) along with the registration fees to be sent to Course Coordinator:

Course Co-ordinator
Prof. Avinash Kumbhar
Department of Chemistry,
Savitribai Phule Pune University,
Pune 411007 (M.S) India
Phone: 020-25601395 Ext-534
E-mail: askum@chem.unipune.ac.in

GIAN One-Time Registration
http://www.gian.iitkgp.ac.in/GREGN

GLOBAL INITIATIVE OF ACADEMIC NETWORKS

Global Initiative of Academic Networks (GIAN)
First GIAN Course
On
Medicinal Inorganic Chemistry

March 5 – 10, 2018

Sponsored by

सत्यमेव जयते

(MHRD)
Ministry of Human Resource Development
Government of India
at

Savitribai Phule Pune University

Department of Chemistry,
Savitribai Phule Pune University,
Pune 411007 (M.S) India

Dear Friends

Ministry of Human Resource Development (MHRD), Govt. of India 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 institutes of Higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence.

Our University

The Savitribai Phule Pune University (formerly University of Pune) is one of the premier universities in India. It is ranked 3rd in the country in a recent survey. It was established on 10 February, 1949 and is situated in 411 acres of area in the North-western part of Pune city. With the 50 academic departments on the campus, about 307 recognized research institutes and 612 affiliated colleges come under its jurisdiction. It is popularly known as the 'Oxford of the East'. Students from all over India and other countries join university for their studies. The university has hostel facility, health centre and many other facilities. Many renowned institutes like IUCAA, NCRA, TIFR, C-DAC, NCCS are also situated in the University campus.

Our Department

The Department of Chemistry is one of the earliest departments in the University established in April 1950. The department offers programs leading to M. Sc, M.Phil and Ph.D. degrees. Department of Chemistry is rated as one of the best in the country for its teaching and research activities and UGC has recognized it as a Centre for Advance Studies (CAS) Centre. The department has close collaboration with the National Chemical Laboratory (NCL), Pune and BARC Mumbai, for teaching and research activities. The department is also supported under the DST- PURSE and DST–FIST programmes. Various other government funding agencies viz. CSIR, DST, DAE, INSA, ISRO, DRDO, C-DAC have also given funds for execution of their projects.

Who should attend?

Students at all levels (Msc I and II year/M. Phil/PhD) or Faculty from academic & research institutions.

Training the students to undertake research in this branch of chemistry.

The students will be trained to answer questions asked in several national (CSIR, GATE) as well as international (GRE) examinations

Overview of the course

The use of metal ions/complexes in medicinal practice extends into ancient history. Some medical uses were more in the form of magical potions to delay aging or improve virility, however medicinal inorganic chemistry as a discipline has come of age only in the last 30 years since the discovery of the antitumor activity of cisplatin. The field of medicinal inorganic chemistry is expanding and can be roughly divided into two main streams – therapeutic and diagnostic. Chemotherapeutics such as anticancer agents, metal-mediated antibiotics, antibacterials, antivirals antiparisitic, antiarthritis agents are becoming popular. Diagnostic applications of inorganic chemistry are in the rapidly growing field of medical imaging of all types with 99m Tc- and other radiopharmaceuticals used in nuclear medicine being the highlight. In the present course key developments in metal based therapeutic and disgnostic agents, their commercialization, current research directions will be dealt with in detail. These advanced topics will be dealt with in the course for the benefit of M.Sc., Ph.D and faculty from the department of Chemistry, Savitribai Phule Pune University, its affiliated colleges, other universities and institutions

The primary objectives of the course are as follows:

1) Explaining the history, drug discovery pipeline and concepts of metal-based drugs.
2) Detailing the current status, mechanism and development of platinum based anticancer drugs
3) Current research directions using other metal complexes as anticancer, anti-arthritis, anti-diabetes , anti-bipolar disorders

Foreign Faculty

Nils Metzler-Nolte obtained his Ph.D. from LMU Munich is Ph.D. from LMU Munich (Germany) in 1994, did a postdoc with Professor M. L. H. Green at Oxford (U.K.), and started his independent research on bioorganometallic chemistry at the Max-Planck-Institut fur Strahlenchemie in Mu¨lheim, Germany. He was appointed associate professor for pharmaceutical and bioinorganic chemistry at the University of Heidelberg in 2000 and full professor of bioinorganic chemistry at the Ruhr University Bochum in 2006. He served as dean of the university-wide graduate school from 2009-2012 and was vice president for early career researchers and international affairs of his university between 2010-2012. Nils was speaker of the DFG-funded research unit “Biological Function of Organometallic Compounds” and Council Member of the Society of Biological Inorganic Chemistry. His work was recognized by several fellowships and awards, the most recent being the Julius von Haast award of the Royal Society of New Zealand. He was Chair of the Gordon Research Conference “Metals in Medicine” in 2016. Nilsserves on the international advisory board of several journals and is an associate editor for Dalton Transactions. With research interests in medicinal organometallic chemistry and functional metal bioconjugates, the group is running a full program from inorganic synthesis to cell biology. Professor Nolte has 180 publications, 3 books, 9 book chapters and 1 European patent to his credit. Prof. Nolte has delivered more than 70 Invited and Plenary talks at Universities, Research Institutions, and National and International conferences. Professor Nolte has been a Visiting Professor at the University of Milan, Italy, University of Stellenbosch, South Africa and the Ecole Nationale Superieure de Chimie, Paris, France.