REGISTRATION FORM

Name of the Participant : Prof/Dr/Mr/Ms/Mrs

Please tick : Faculty/Student/Industry

College / Institute :

University :

Address for communication :

E-mail :

Mobile No :

Date :

ACCOMODATION* : YES/NO

DD Number/Amount/Date and Bank details# :

Signature of Participant

Signature

Head of the Department / Institution

* On payment basis
# DD in favor of “The Course Coordinator, CHEM-GIAN Programme, Bharathidasan University, Tiruchirappalli” payable at Trichirappalli and for the fee details please see the attached brochure

To contact : Email ID: gianbduchem@gmail.com and l.nagarajan@bdu.ac.in phone: 9585016613 and 9843589418

Last date to apply: 02/01/2019 23.59 hrs
ABOUT TRICHIRAPALLI

Trichirapalli is one of the ancient cities located in the centre of the state of Tamilnadu. The recorded history begins from the great king Kalkal of Chola dynasty who ruled over the south eastern region of India from 800 CE until 1099 CE. The city was called ‘Kertisurupuram’. Trichirapalli in order to divert the waters of the Kaveri across the fertile delta region for irrigation. Down stream of the barrage, the river Kaveri splits into four streams known as Kolilam, Raviyar, Vettuvan and Puthu Aru. The 63 metre high 3.6 billion litres old rock contained a very well built rockdam temple is one of the important landmark of Trichirapalli city. The city experiences a tropical savannah climate with no major change in temperature in summer and winter. Rainfall is heavier during north east monsoon season. Notable personalities such as Nobel laureate Dr Sir C V Raman was born in this city while former presidents R. Venkataraman and Dr. APJ Abdul Kalam, were educated this city.

ABOUT BHARATHIDASAN UNIVERSITY

It is established in Feb 1936 and was named after the poet Bhathidasan. The University has totally 4 Faculties, 17 Schools, 36 Departments and 10 Specialized Research Centres. The main campus located in an area of 522 acres in Palkalai Perumal. The motto of the University ”We will create a braver new world” has been formed from Bhathidasan’s poetics words (உடல்பாரியால் வடிவாசல்).

SCHOOL OF CHEMISTRY

The School of Chemistry, Bharathidasan University made its humble beginning in 1977 as a research department of Madras University Post Graduate Centre Upgraded as School of Chemistry in 2004. It offers M Sc, M Phil, Ph.D courses and has acquired a prominent position in the academic map of India. All the faculty members have chosen to work on the modern and thrust areas in Chemistry, generated more than 90 Ph.Ds and published more than 800 quality research papers so far. Almost all the faculty members have undertaken sponsored research projects funded by various National agencies and have successfully completed more than 20 individual research projects. They have won several National and International honors and recognitions. Several international exchange visits regularly taken up by our faculty members have improved the quality of our teaching and research programs. Moreover, the excellent and steady progress made by the School, DST has sanctioned Rs.3.1 crores and UGC has upgraded our School from DRS III level to Department of Special Assistance (DSA) to set up world-class sophisticated instruments facilities

THE COURSE

Since Werner’s ground-breaking discovery, coordination chemistry has played an enormous role in many aspects of chemistry, not the least in homogeneous catalysis and the understanding of metalloenzymes. Almost all the chemical processes in nature involves a fair amount of complex coordination chemistry in it. For example, the natural photosynthesis involves various metal ions such as Mg2+, Fe2+, Fe3+ in their variable oxidation states which without the photosynthesis wouldn’t be completed. Detailed spectroscopic technique have revealed the mechanism of photosynthesis and further elucidates the involvement of photosystem I (PSI) and photosystem II (PSII). All the studies we have known that oxygen is evolved from water and not from carbon dioxide. Similarly, many processes in homogeneous catalysis (hydrogenation, hydroformylation etc) have been studied in great detail. Key to understanding mechanisms is the chemical kinetics which is a branch of chemistry which addresses the rate of chemical reactions and how this is related to the mechanism. This course will elaborate the essential component of chemical kinetics in relation to transition metal chemistry and also many important aspects of transition metal organometallic chemistry and coordination chemistry with respect to their reaction mechanism.

VISITING FACULTY

Cla F. Wendt received his post-graduate and Ph.D degree at Lund University (1962-97) under Lars Juster Eiding. He then moved to Caltech in Pasadena to do postdoctoral work with John Berov. He was appointed assistant professor at Lund University in 1983 on a Swedish Research Council grant. He became “Docent” in 2003 and is since October 2007 he holds a Special Research position in Green Chemistry sponsored by the Swedish Research Council. In February 2010 he became a full professor of Inorganic Chemistry and since January 2018 is he Deputy Head of the Department of Chemistry. His research interests is on organometallic chemistry and the goal is to find PhD researchers to work in organometallic reaction chemistry.

THE COURSE COORDINATOR

Dr. Nagarajan Loganathan obtained his master’s degree from Indian Institute of Technology, Madras (IIT-Madras, 2003), doctoral degree under Prof. Vadapalli Chandrashekar at March 2006 from IIT-Kanpur (2006). He worked as Post-doctoral researcher in Centre for Analysis and Synthesis (CAS), Lund University Sweden (with Prof. Cla F Wendt) and University of the Free State, Bloemfontein (UFS-Bloem), South Africa (with Prof. Andreas Roedl). Since Dec 2013, he is an UGC – Assistant Professor in inorganic chemistry at School of Chemistry, Bharathidasan University (BDU-Trichy). Trichirapalli, India. He has published a number of research papers in reputable international journals. His research interests is in Structural Chemistry of transition metal containing molecules.

Course Registration Fee

Participants from India: Rs. 3,000/- 1500/-
Students (Ph.D., M.Sc., M.Phil.): Rs. 2,000/-
Industry / Research Organizations: Rs. 5,000/-
SAARC Countries: USD 400/- 200
Non-SAARC Countries: USD 600/- 250
Registration fees includes course materials and lunch only.
Accommodation based on payment basis in the BDU guest house (Limited seats) and hotels

How to apply?
The workshop is aimed for maximum of 100 participants who may be Young researchers (M.Sc., M.Phil and Ph.D students) / Young Teaching Faculty at the college level any where from India and abroad. The fee will be accepted in the form of Demand draft (DD) in favour of ‘The Course Coordinator, CHEM-GIAN programme, Bharathidasan University, Trichirapalli’. payable at Trichirapalli. Spot registration will not be accepted. DD shall be sent to below address along with registration form.

Further details, Please contact Course Coordinator:
Dr. Nagarajan Loganathan, UGC – Assistant Professor, School of Chemistry, Bharathidasan University, Trichirappalli 620 084. E-Mail: I.nagarajan@bdu.ac.in / gianbduchem@gmail.com
Cell: +91 - 9855016613, 8436589418