
Advanced Organometallic Chemistry

Overview

Organometallic Chemistry has become an important branch of chemical sciences and is an integral part both in academia and industry. Although our understanding of this topic has increased it has advanced into many diverse topics which are yet to be exploited. Catalysis has influenced and is changing our lives, more than any other scientific area. Catalysis offers low-energy, low-waste routes to chemical products and has become the cornerstone of sustainable chemical technology and for developing greener technologies. The importance of the topic has also been underlined by the fact that three Nobel Prizes were awarded in this field alone in 2001, 2005 and 2010. This field has thus advanced towards asymmetric catalysis, bioorganometallic chemistry, Metal clusters (metallaboranes, metallacarboranes, metallacarbides) etc. These advanced topics will be dealt on during the course for the benefit of M.Sc, Ph.D and faculty from Department of Chemistry, Savitribai Phule Pune University, its affiliated colleges, other universities, institutions and industry.

Modules	August 16- August 24, 2016 Number of participants for the course will be limited to hundred.
You Should Attend If...	<ul style="list-style-type: none">• you are a M. Sc. Chemistry student• you are a Ph.D student in chemistry• you are working in the area of organometallic chemistry and catalysis• you are a early career scientist working in the field of organometallic chemistry and catalysis
Fees	One-Time GIAN Registration: Visit http://www.gian.iitkgp.ac.in/GREGN/ <ul style="list-style-type: none">• Students/faculty of SP Pune University: No fee, but registration is must.• Students/faculty from Colleges affiliated to SP Pune University ₹1000/-• Students/faculty affiliated to other universities, academic institutions, research institutes etc.: ₹2000/-.• Students/Scientists from industry: ₹5000/-.• Fees include any instructional material provided by the expert faculty, internet access via the SP Pune University campus network during the course. 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.



Evamarie Hey-Hawkins has been a Full Professor of Inorganic Chemistry at Leipzig University, Germany, since 1993. She received her diploma (1982) and doctoral degree (1983) at Philipps University, Marburg, Germany. After stays at the University of Sussex, UK (Liebig Grant 1984/85), the University of Western

Australia (Liebig Grant, 1985/86) and the ANU, Canberra, Australia (grant, DFG, 1986/87), she completed her habilitation in Marburg (1988). From 1988-1990 she was a Research Associate at the Max Planck Institute for Solid State Research, Stuttgart, Germany.

Eva was awarded a Heisenberg Grant from the DFG (1990-94), Visiting Professorships at Pamukkale University, Turkey (by TÜBITAK), the Université de Rennes 1, France (2007), and Monash University, Melbourne, Australia (2008, 2009), and has received a Visiting Erskine Fellowship, University of Canterbury, New Zealand (2007) and an ANU Fellowship (Canberra, Australia, 2009). In 2013, she was awarded the degree of “*Distinguished Woman in Chemistry and Chemical Engineering*” by IUPAC, and in 2014, an honorary doctoral degree (Dr. h.c.) was awarded by Babeş-Bolyai University, Romania. In 2015, the German Chemical Society (GDCh) and Real Sociedad Española de Química (RSEQ) jointly honoured her with the Elhuyar-Goldschmidt Lecture Award. In 2016 she is the recipient of the Costin Nenitzescu-Rudolf Criegee Lecture Award.

Eva is a fellow of the Royal Society of Chemistry (FRSC) and a member of several Editorial Boards and the International Advisory Board of *ChemPlusChem*. Since 2007, she has been the Speaker of the Graduate School “*Building with Molecules and Nano-objects (BuildMoNa)*”. From 2008 to 2013, she has been the Chair of the EU-COST Action CM0802 “*European Phosphorus Sciences Network (PhoSciNet)*”, and since October 2013, she is chairing a new COST Action on “*Smart Inorganic Polymers*” (CM1302, *SIPs*). Eva is presently heading a group of about 35 PhD, MSc and BSc students and postdocs. More than 65 PhD students have already graduated from her group. Her scientific interests are in the field of organophosphorus chemistry, biologically active boron and transition metal compounds, heterometallic transition metal complexes and catalysis. She has authored more than 410 publications in refereed journals.

Course Co-ordinator

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GIAN One-Time Registration

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