



योग कर्मसु कौशलम्



International Year of
CHEMISTRY
2011

Dept. of Chemistry, Vana Vani MHSS
IIT Campus

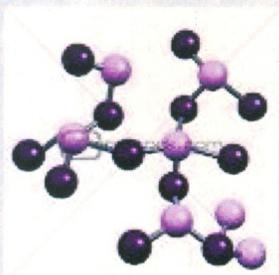
CELEBRATES CHEMISTRY

with



Dept. of Chemistry, IIT-M, Chennai -36.

**SYMPOSIUM FOR
CHEMISTRY TEACHERS
DECEMBER 21 , 2011**



Venue : Seminar Hall,
Chemistry Dept., IITMadras

PROGRAMME

08.45 – 08.55 am	INAUGURATION
08.55 – 09.00 am	WELCOME ADDRESS
09.00 – 10.00 am	“CHEMISTRY IN DAY TO DAY LIFE” Dr. S. SANKARARAMAN
10.00 – 11.00 am	“VISUALISING CHEMICAL CONCEPTS THROUGH ANIMATIONS” Dr. MANGALA SUNDER KRISHNAN
11.00-- 11.20 am	TEA
11.20 am—12.15 pm	“HOW TO MOTIVATE CHEMISTRY LEARNING” <i>PANEL DISCUSSION</i>
12.15 – 01.10 pm	“JOY OF TEACHING” Dr.C.BALAJI
01.10 – 01-15 pm	VOTE OF THANKS
01.15 – 02.00 pm	LUNCH
02.00 – 04.00 pm	IIT LAB VISITS

INTERNATIONAL YEAR OF CHEMISTRY CELEBRATION
December 21, 2011

TIME : 8.45 A.M TO 4.00 P.M

VENUE : SEMINAR ROOM - CB 310, I.I.T MADRAS,
CHENNAI 36

OBJECTIVES: The Symposium aims to provide an opportunity for teachers of Chemistry to :

1. share best teaching practices for enhanced learning outcomes in the subject at school level.
2. discuss ways to promote and popularize chemistry amongst the student community at school level.
3. obtain a practical knowledge in the subject through lab visits in IIT Madras.

KEY SPEAKERS

Prof. S. Sankararaman, M.Sc, Ph.D

Head of the Dept of Chemistry , IIT Madras., Dr. Sankararaman is an expert in Organic Chemistry. His area of research include synthetic organic chemistry, mechanistic organic chemistry and photo chemistry. He has to his credit 58 research papers , 2 patents and a book titled 'Pericyclic Reactions – A Text book'. He has held the position of the Vice Chairman and Chairman, IIT Joint Entrance Examinations and HSEE, IIT Madras and Head, Sophisticated analytical instrument facility , IIT Madras.

He is a recipient of several awards and fellowships like the Bronze medal from the Chemical Research Society of India, DAAD Fellowship, (Uty : Braunschweig, Germany), INSA (India) – DFG (Germany) fellowship and Alexander von Humboldt scholarship (Uty : Braunschweig, Germany)

Prof. Mangala Sunder Krishnan, M.Sc , Ph.D

Dr. Mangala Sunder Krishnan is a Professor of Chemistry in IIT Madras. He obtained his Ph. D. in McGill University, Montreal, Canada in 1988 in Theoretical Chemistry and pursued his post-doctoral studies in several fields of theoretical chemistry in major Universities in Canada before joining IIT Madras. He has guided six Ph. D. graduates, two M. Tech. Students and more than a dozen M. Sc. Students in theoretical Chemistry. He has published his research in International journals in several areas in theoretical chemistry. He has also been the national web courses coordinator for the National Programme on Technology Enhanced Learning, (NPTEL) since 2003. In addition, he has worked with a large number of teachers in Chennai to create electronic supplements for teachers for Physics and Chemistry for the standards six to eight (<http://kji.iitm.ac.in>). More than one hundred short laboratory video demonstrations of scientific concepts can be downloaded from the site, freely by anyone.

Dr. Mangala Sunder is a University Gold Medalist in both B. Sc. and M.Sc. In addition, he is the recipient of one of the best graduate student-teacher (Sterry Hunt) awards given by McGill University for three years in succession (1984-1986). He is a member in several Committees on e-education/ e-learning set up by various Ministries in India.

Prof. C. Balaji, M.Tech, Ph.D

Dr. C. Balaji is a Professor in the Dept of Mechanical Engineering , IIT Madras. His areas of interest include conjugate heat transfer, radiative heat transfer, asymptotics in heat transfer, stochastic optimization, atmospheric science , geophysical retrievals and satellite meteorology . He has around 110 journal publications to his credit and has undertaken several projects for ISRO, DRDL, BHEL and IGCAR. He is currently the scientific secretary for Indian society of heat and mass transfer and serves on the editorial board of the international journal of Thermal sciences published by Elsevier, UK. He is the recipient of the prestigious Swarna Jayanthi fellowship of the Govt of India (2008-2013).

Symposium For Chemistry Teachers: Close to 70 teachers of Chemistry from city schools gathered under one roof at the Department of Chemistry, IIT on 21.12.2011 and unanimously agreed that a motivated teacher alone can motivate a student to learn and love Chemistry. And every single person who spoke at the 'Symposium for Chemistry Teachers', (whether on stage or off) as well as the several activities that the teachers were engaged in during the one day workshop was testimony to the fact that they were all motivated indeed.

Whether it was 'Joy of Teaching' (Dr. Balaji – Mechanical Engineering, IIT M) or the 'Kitchen as a Laboratory' (Mrs. Lalitha Chandrasekaran , Dean – Academics , Ramana Vidyalaya) or our own teacher Mr. R.Gowrisankar's 'Dynamics of Questioning' (..pass Benzoyl chloride from one end of a tube and Nitrous oxide from the other end , will the person, cry first or laugh?) each and every session was received with enthusiasm by the teacher participants.

