

Department of Chemical Engineering

Indian Institute of Technology Kanpur

Fourth Petro Tel Distinguished Lecture in Chemical Engineering

Speaker: **Dr. S. Sivaram**
(Director, National Chemical Laboratory, Pune)

Topic: **Materials and Energy Derived from Carbohydrates:
Opportunities, Challenges and Sustainability**

Date: **Friday, 21 September 2007**

Place: **L-1, Lecture Hall Complex**

Time: **4:15 p.m.**

All are welcome

(Tea will be served at 3:45 p.m.)



Abstract

Carbohydrates (or biomass) are believed to be the most abundant renewable resources on earth. Carbohydrates have the potential to become the feedstock for producing materials and energy for human kind. In recent times many nations have been re-examining the imperatives of a shift from a hydrocarbon based to carbohydrates economy. This lecture will address key opportunities, challenges and issues in the creation of sustainable materials and energy platform based on carbohydrates.

About the Distinguished Speaker

Dr. Swaminathan Sivaram, a polymer chemist and science manager of distinction, is presently the Director of National Chemical Laboratory (NCL/CSIR), Pune. An alumnus of IIT-Kanpur (M.Sc. 1967), he received his Ph.D in chemistry from Purdue University, W. Lafayette, Indiana, USA in 1971. After a brief stay as a Research Associate at the Institute of Polymer Science, the University of Akron, USA he joined the Research Centre of Indian Petrochemicals Corporation Ltd., at Vadodara, India. In 1988, he joined NCL as Head of the Polymer Chemistry Division. Dr. Sivaram is a recipient of the Vishwakarma Medal (INSA), Silver Medal of the Chemical Research Society of India, Millennium Medal of the Indian Science Congress Association, Distinguished Alumnus Award of IIT, Kanpur, Professor S.R. Palit Memorial Award of the Indian Association for Cultivation of Science, K.G. Naik Gold Medal of M.S. University, Baroda, FICCI Award in Physical Sciences and Om Prakash Bhasin Award. Dr. Sivaram was awarded the Padma Shri by the President of India in 2006. He is an elected Fellow of all the learned academies of science and engineering in India. He is also an elected Fellow of the Academy of Sciences for the Developing World, Trieste, Italy. He has mentored the Ph.D thesis of 32 graduate students. He has to his credit close to 200 publications in peer reviewed scientific journals and is cited as an inventor in over ninety patent applications and forty granted US patents. He has edited two books and serves on the Editorial Board of several National and International journals in chemistry and polymer science.

About the Donor

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