



## Session V

# Technology & Applications

### Session Chair



**Prof. N. Sekar**  
*Professor, Institute of Chemical Technology*

Prof. N. Sekar did his B.Sc. from University of Madras and B.Sc. (Tech.) in Dyestuff Technology from UDCT. He completed his doctoral degree under the guidance of Prof. Seshadri and subsequently joined the Department of Dyestuff Technology as a lecturer in 1987. Currently, he is the senior most professor in the Department.

He is a Fellow of Society of Dyers and Colourists, UK and a Chartered Colourist. Prof. Sekar was an expert member of a team of delegates from India for “Joint Indo-Russia Workshop on Immunoassay for clinical/environmental monitoring” held at Russia in September 2009. He handles projects from Indian and foreign industries and is a consultant to many Indian chemical industries. He has guided more than 15 masters students and is currently supervising 16 doctoral and 3 masters students. He has published over 30 peer-reviewed research articles, two book chapters and delivered 10 invited lectures in national and international conferences. He has more than 250 published expository articles to his credit.

Prof. Sekar's current research interests include synthesis of multistep heterocyclic and fused heterocyclic compounds, process development of intermediates, fluorescent compounds for bio-sensors, green chemistry and technology, nano-technology, OLEDs, liquid crystals, laser dye, NIR absorbing, fluorescing and reflecting colorants, tinctorially strong disperse dyes, extended styryl dyes and metal complex dyes for photovoltaics.