



Friday, 10<sup>th</sup> February 2017

## Session IV

### Natural Dyes

#### Session Chair



**Prof. G S Shankarling**

*Department of Dyestuff Technology, Institute of Chemical Technology*

Dr. Ganapati S. Shankarling is an Associate Professor in Dyestuff Technology Department of Institute of Chemical Technology, University of Mumbai. He is also administrative Co-ordinator of Perfumery and Flavour Technology in ICT. He has more than 15 years of work experience which includes both Industrial as well as academic. He has spent in 8 years in industry including GE-India Technology Centre, Bangalore and Indian Dyestuff Industries Ltd., Mumbai.

Dr. Shankarling is leading researcher in the area of chemical sciences. He is working on different Industrial Projects from Indian and foreign industries. He is also an active Industrial Consultant to many Indian chemical Industries.

Dr. Shankarling has made research contributions in organic chemistry that encompass synthesis of novel colorants in green media, design and development of novel functional colorants for Dye Sensitized Solar Cell (DSSC), Non-Linear Optics (NLO), laser, biological and medicinal fields, Thermochromic & photochromic compounds, Fluorescent Dyes, novel perfumery compounds, Green Chemistry and Technology mainly for the development of environmentally benign synthetic procedure, preparation and application of ionic liquids for organic synthesis, process development for high performance pigments, Inkjet colors and textile dyes.

Some of his industrial assignments include synthesis of organic fluorophores for Blue Ray DVD" for Imation Corporation USA, functional colorants for polypropylenes for Reliance Industries, Mumbai, structure elucidation and synthesis of colorants for Essilor Corporation, France, Hair Colorants for KavinCare Ltd., Chennai, etc.

Under his guidance 4 Doctoral Students and 9 M.Tech. students have been awarded degree so far. He is currently guiding 18 doctoral and 10 masters students. He has published 30 research papers. He has presented over 35 papers in national and international conferences. He has filed 16-International and 9-Indian patents. He has published about 20 Expository articles in various journals.

He was awarded with "Welch Technology Center Management Award 2003" for Discovery of Novel Dye Systems for Limited Play DVD. He is a six sigma Green belt certified person who has modified DFSS tools like risk analysis and DOE in order to suit the synthetic chemistry.

Currently he is the Trustee of Society of Dyers and Colourists SDC and National Kannada Education Society, Wadala. He is a board member at Sir M. Visvesvaraya Institute of Management Studies and Research.