



Professor Dr. G. D. Yadav

F.T.W.A.S., F.N.A., F.I.Chem.E. (UK), F.I.I.Ch.E. F.I.C.S., F.M.A.Sc., Ch.E. (UK)

**Vice Chancellor and R.T. Mody Distinguished Professor
J.C. Bose National Fellow (DST, Govt of India)**

INSTITUTE OF CHEMICAL TECHNOLOGY

रसायन तंत्रज्ञान संस्था

University under Section 3 of UGC Act 1956

NBA Accredited, MHRD A Grade

Elite Status and Centre of Excellence – Govt . of Maharashtra



September 23, 2013

Message

The Technological Association (TA) of ICT has been actively involved in several students programmes and one such activity is its annual publication of **Bombay Technologist**, which has been in existence for decades. The articles for Bombay Technologist Volume 62-63 have been peer reviewed by the faculty. The 10 articles in this issue are review papers with a variety of topics. Chitosan for skin regeneration in burn patients adequately covers the state of the art. A popular topic is biodiesel which is covered in 2 papers, one based on waste cooking oil and another on palm fatty acid distillate. Gene-replacement therapy for RPE65 associated Leber's congenital amaurosis and organ-on-a-chip as replacement to animal testing, resveratrol as a nutritional supplement, self-assembly of block copolymers and its applications in drug delivery and solar energy storage by polymers have been included. Computation of dynamics of pipe flow in two dimensions is a research article based on in-house code. Strengthening of security paper has been researched using inductive reasoning to establish various hypotheses for increasing the durability of paper. I would have liked to see more papers on emerging areas since several students make excellent seminar presentations.

The TA was always headed by the Director (now Vice Chancellor) as the President with a senior faculty member as the Vice President who is currently Professor P.M. Bhate, Dean (SAHRD). One of his major achievements is to combine academic and extra-curricular activities. The launch of **Vortex ICT** has unified the numerous successful festivals in ICT such as **Exergy**, **Young Innovator's choice Competition (YICC)**, and **Young Researchers' Conference (YRC)** into India's biggest technical festival in the chemical sciences and engineering. YICC-YRC provided a formidable challenge to the most seasoned students, from all over India; they were asked to find pragmatic solution with 72 hours to industry defined problems in the disciplines of chemical engineering, technology, sciences, pharmacy, biotechnology, and bio-processing. Several industries participate to encourage them. PG and Ph D Students also present their research papers and posters. It would be a great idea to include some of the best papers/posters and also list of participants in technical festivals in Bombay Technologist.

I compliment the Editorial Board for keeping the tradition on with a good number of papers.

Nathalal Parekh Marg,

Matunga

T:+91-22-3361-1001^D

F:+91-22-3361-1002^D

B:+91-22-3361-1111/2222

+91-22-3361-1002^B

MUMBAI-400019 INDIA

Email: vc@ictmumbai.edu.in; gd.yadav@ictmumbai.edu.in

www.ictmumbai.edu.in

Also: Adjunct Professor in School of Applied Sciences, RMIT University, Australia