

Raviraj M. Kulkarni is working as an Associate Professor and Head of Chemistry Department at KLS Gogte Institute of Technology, (Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, India). He is also a Coordinator for First year Engineering Course. He teaches Engineering Chemistry, Electrical Engineering Materials, and Environmental Chemistry for Bachelor and Master Students. Raviraj M. Kulkarni has completed his B.Sc. (1997) and M.Sc. (1999) with first class. He did his Ph.D. (2003) in Chemistry from Karnatak University, Dharwad.

He worked as a Postdoctoral Fellow (2006-2007) with Prof. Yunji Xu, in the department of chemistry at University of Alberta, Edmonton, Canada. He was involved in the development of Cavity ring down and Cavity enhanced absorption spectrometer using quantum cascade laser. Earlier, He worked as a Visiting Fellow (2005-2006) with Prof. Sanjay Wategaonkar at Tata Institute of Fundamental Research Mumbai, India and as a Postdoctoral research fellow (2003-2005) with Prof. Jozef Peeters in the Department of chemistry at Katholieke Universiteit Leuven, Belgium. In TIFR Mumbai, he was working in the field of supersonic jet spectroscopy using LIF and REMPI/TOF technique. In Belgium, he was working in the gas phase kinetics of combustion and interstellar systems.

After joining Gogte Institute of Technology (2007- present), he developed interest in the fields of fate of environmental contaminants during water treatment, application of nano-technology in water treatment (Advanced oxidation processes), ion exchange and water quality studies and Development of fiber optic chemical sensor for trace metal analysis. Presently, he is supervising 5 Ph.D students (one of the students has already submitted the thesis to Visvesvaraya Technological University, Belagavi (Dec 2014)), Co-supervised 2 Master students and Co-supervising 6 Master students and 16 Bachelor (UG) students. He has published more than 30 papers in national and international journals and has presented papers in various national and international conferences. He is a life member of Indian Council Chemists and Indian society for Technical Education. He was the Convener for “1<sup>st</sup> National Conference on Emerging Trends in Chemistry and Materials Science”, organized by Department of Chemistry, KLS Gogte Institute of Technology, Belagavi on 13<sup>th</sup> October 2014.

He is in charge of ongoing Consultancy and Testing projects of chemistry department viz. Chemical analysis of Kadra and Kodalalli Dam, (Kali river) Karnataka Power Corporation Limited, Testing and Consultancy work from Prithvi Metals Pvt. Ltd. He has received grants for his research from VTU and KSCST.

Research projects :

**1) Title:** “Separation of anions from aqueous and mixed aqueous solvents by ion exchangers”  
**Completed (Co-investigator)**

Funding agency: VTU, Belagavi Duration: Three years (2008-2011)

**2) Title:** “Evanescent wave fiber optic chemical sensors”

**Ongoing (Co-investigator)**

Funding agency: VTU, Belagavi