



Dr. B. Manohar, M. Sc., Ph.D.
Professor of Chemistry.

Dr. B. Manohar is a Ph.D. in Chemistry (Heterogeneous Catalysis) with one year post doctoral research experience at the University P.et.M. Curie, Paris, France and has completed M.Sc. (Physical Chemistry) from Osmania University in the year 1987. He joined Osmania University on 20th August, 1997 as Assistant Professor. He has twenty years of teaching and research experience. He has 23 publications in reputed journals and 2 patents to his credit. He has completed one research project. He has held several academic and administrative positions. Presently he is working as Professor in Department of Chemistry and is a General Secretary of the Osmania University Teachers Association. His research interest is synthesis of unpromoted, promoted and supported vanadium phosphorus oxide based catalysts and their characterization by using techniques like XRD, ESR, FTIR, DTA, surface area and acidity measurements. The evaluation of synthesized catalysts for 2-methylpyrazine and 3-picoline ammoxidation reaction of commercial significance. Synthesis, characterization of aluminosilicates and aluminophosphates. Incorporation of transition elements into zeolites during synthesis and by post synthesis modification. Synthesis and modification of various inorganic single oxides (SiO_2 , Al_2O_3 , TiO_2 and ZrO_2) and mixed oxides ($\text{TiO}_2\text{-ZrO}_2$, $\text{TiO}_2\text{-SiO}_2$, $\text{TiO}_2\text{-Al}_2\text{O}_3$, $\text{ZrO}_2\text{-SiO}_2$ and $\text{TiO}_2\text{-ZrO}_2\text{-SiO}_2$) by

different methods. Evaluation of the mixed oxide catalysts for organic transformations and synthesis of fine chemicals.