

Prof. Bhalchandra M. Bhanage

Prof. Bhanage obtained Doctoral degree from National Chemical Laboratory in 1995 and spent several years in Tohoku University and Hokkaido University, Japan on various positions. He joined Institute of Chemical Technology as a Professor of Industrial and Chemistry in 2003 and during 2009-14 he was a Head of the Department of Chemistry and currently He is a Dean of the Institute.

Prof. B.M. Bhanage has contributed in the area of catalysis for activation of small molecules like carbon dioxide, carbon monoxide and hydrogen for various reactions. He has developed novel strategies for various reactions like Heck, Suzuki, Sonogashira coupling reactions, their carbonylative forms, hydroformylations, aminocarbonylations, alcoxycarbonylations, aminations, hydrogenations etc. The work is focused on developing strategies for catalyst products separation and catalyst recycles. He has developed several homogeneous transition metal based catalysts for these reactions and solid base catalysts for carbon dioxide fixation reactions. He is also active researcher in the field of nanoparticle synthesis and its catalytic application, Enzymatic catalysis etc. He has published 385 research papers in international journals and 32 patents. He has received more than 10000 citations with an h-index of 52.. He has guided 40 doctoral students and currently guiding 20 research scholars for their doctoral research.

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