ABSTRACT:

Water pollution is one of the most pressing issues of current times. Rapid industrialization has increased the rate of depletion of clean water resources. In this respect dyes are one of the major contributors to water pollution and it is excessively being disposed of in water bodies by industries like textile, leather cosmetics and many other. To solve this problem different water treatment techniques have been applied but photocatalytic degradation of pollutants like dyes has gained much significance in recent studies due to its low cost and high efficacy. Metal oxides nano particles is one of the most important classes of photocatalysts. In this study metals doped manganese oxide nanoparticles ware prepared as a photocatalyst by simple sol- gel method. To check its efficiency dye degradation studies were carried out which show actual degradation of methyl blue dye in UV light.