

Glycerol as Green Solvent in Organic Synthesis

Mr. Khan Shoyeab Mutalib and Mr. Kable Umar Abdul Rahim

Department of Chemistry

Anjuman Islam Janjira Degree College of Science, Murud-Janjira, Raigad

Abstract: Glycerol came out as favourably green solvent. Physio chemical properties are used for different applications. short analysis of organic reactions which engage glycerol as a green solvent are presented. Organic modification in glycerol medium arises with or without any catalytic material. Glycerol is also used as hydrogen donor to carry out hydrogenation reaction of organic compound. The supremacy of glycerol over other solvents turned out to be described in terms of its solubility, availability, non-toxicity and chemical reactivity. Organic synthesis is exothermic reaction in which both reactants and catalyst are dissolved in solutions. In this paper, glycerol. Is appeared as nontoxic, recyclable and eco-friendly liquid, which is manufactured from renewable sources. It has very high potential to serve as alternative green solvent in many organic reactions.

Keywords: Microbiome, Plant Growth-Promoting Bacteria, etc.

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