Abstract

Porphyrins and Metalloporphyrins have great biological importance in nature being a heterocyclic molecule. Porphyrin's versatility in different modern applications include energy storage devices and molecular electronic devices diverting attentions of world towards them. The present work focuses on synthesis of porphyrins including tetra (3-nitrophenyl) porphyrin and tetra (2,4-dichlorophenyl) porphyrin along with insertion of metals into them. Moreover, Adler Longo and acetate method have been followed for the syntheses of porphyrins and metalloporphyrin respectively.