

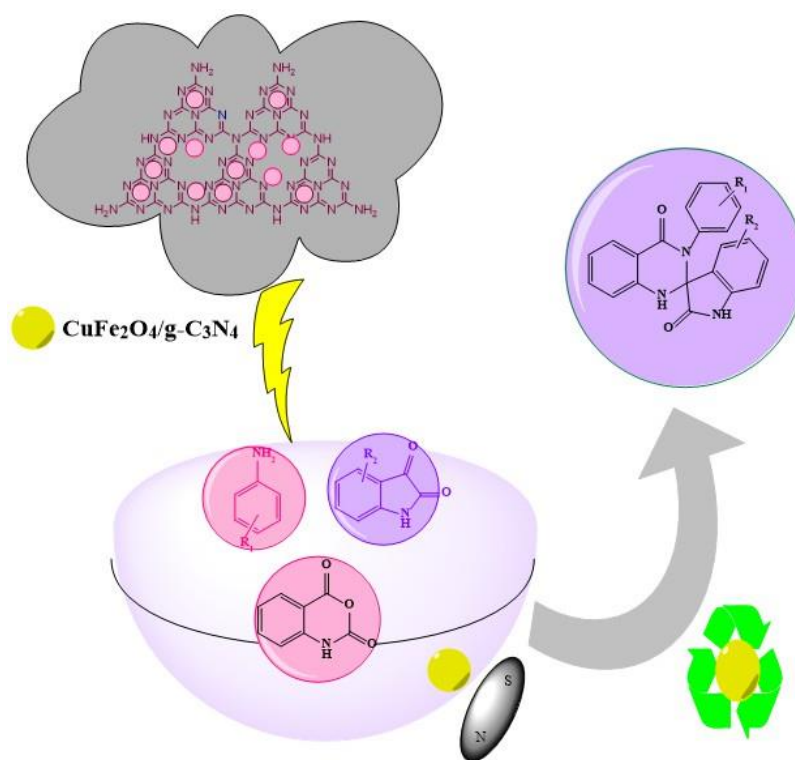
Preparation and characterization of copper ferrite functionalized graphitic carbon nitride nanocomposite as an efficient and reusable catalyst for synthesis of spirooxindol quinazolinone derivatives

Raheleh Shaabani, Hossein Naeimi*

Department of Organic Chemistry, Faculty of Chemistry, University of Kashan, Kashan

87317-51167, I.R. Iran; Tel: 983155912388; Fax: 983155912397;

E-mail: naeimi@kashanu.ac.ir



In this research, CuFe₂O₄/g-C₃N₄ nanocomposite was fabricated and characterized by using different techniques. Furthermore, the prepared nanocomposite was applied as an efficient, heterogeneous and recyclable catalyst for multicomponent synthesis of spirooxindole derivatives as target heterocyclic compounds.