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## **A Novel and Environmentally Benign synthesis of Imidazolidinone derivatives**

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### **ABSTRACT**

*A fast and highly efficient method for the synthesis of imidazolidinone derivatives by cycloaddition of glycine on Schiff's base catalyzed by recyclable indium (III) chloride under microwave irradiation was developed. Microwave assisted reactions have resulted in better yields of the desired products when compared with yield obtained under conventional conditions. Reaction proceeded smoothly and quantitatively at ambient temperature.*

**Keywords:** Imidazolidinone, Cycloaddition, Schiff's base, Microwave.

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