PREFACE

The experimental work in the thesis entitled “Metal catalyzed synthesis of biologically active heterocyclic compounds” has been carried out in the Post-Graduate Department of Chemistry, University of Jammu, Jammu under the supervision of Prof. Rajive Gupta and Prof. Satya Paul.

In this context, we are reporting and highlighting metal catalyzed synthesis of heterocyclic compounds via cascade bond formations. Precisely, these heterocyclic compounds have been synthesized by using copper and mercury salts under the optimized conditions. The heterocyclic compounds synthesized include furans, thiophenes, phenazines, piperazines and morpholines.

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