



## Synthesis, Characterization and Antimicrobial of Mercaptooxadiazole Analogs

S. V. Mamatha<sup>1\*</sup>, S. L. Belagali<sup>1</sup>, Mahesh Bhat<sup>2</sup>  
and Tirukoti Mounika<sup>1</sup>

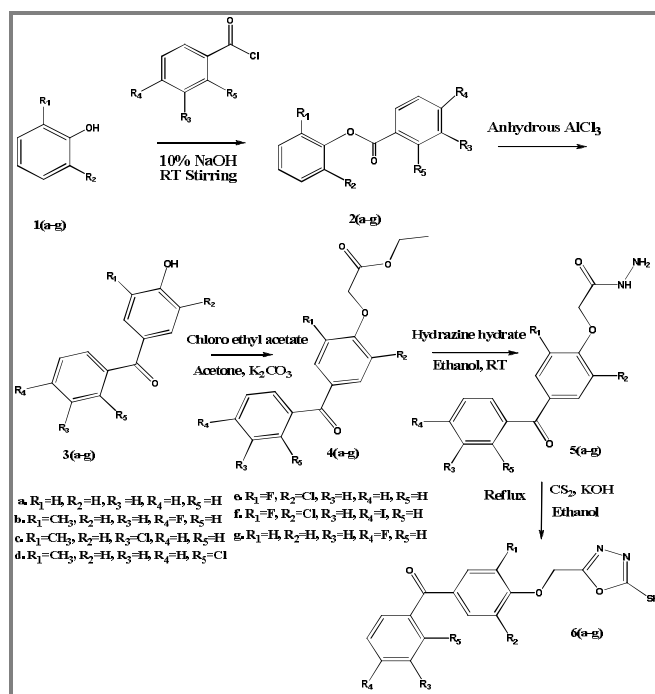
1. Environmental Chemistry section, Department of Studies in Environmental Science,  
University of Mysore, Manasagangothri, Mysore-570006, Karnataka, **INDIA**  
2. PG Department of Chemistry, JSS College for Women, Mysore-570016, Karnataka, **INDIA**  
Email: [mamatha.zh32@yahoo.com](mailto:mamatha.zh32@yahoo.com)

Accepted on 6<sup>th</sup> January, 2020

### ABSTRACT

In the present study, we synthesized analogs of oxadiazolebenzophenone which vary in the number and position of the methyl and halogen groups on the benzophenone moiety, which were then evaluated for their anti-bacterial and antifungal activities.

### Graphical Abstract



Synthesis of Mercapto-Oxadiazole derivatives.

**Keywords:** Benzophenone, Antibacterial, Fries Rearrangement, Oxadiazole.