

Contents

Certificate

Acknowledgement

Abstract

Chapter 1

1.1 Introduction	1-2
1.2 Role of catalyst in organic synthesis	2
1.3 Some reported organic synthesis of dibenzoxanthene catalyzed by different Lewis acids/Brønsted acids	3-5
1.4 Copper sulfate pentahydrate as Heterogeneous Lewis acid Catalyst	5-8
1.5 Objectives	9
1.6 Plan of work	10

Chapter 2

2.1 Experimental section	12
2.11 General information	12
2.12 General procedure for the condensation of 2-Naphthol with Aromatic aldehydes using Thermal energy	12-13
2.13 General Procedure for the condensation of 2-Naphthol with Aromatic aldehydes using Mechanical energy	13
2.2 Results and discussions	14-18

Chapter 3

3.1 Characterization of the prepared compounds	19-21
3.2 Spectra	

Chapter 4

4.1 Conclusion	22
4.2 Future scope of the present work	
4.3 References	-24