## **CONTENTS**

CHAPTER	TITLE	PAGE NO.
	Declaration	i
	Certificate	ii
	Acknowledgement	iii
	General remarks	iv
	Synopsis	v
ONE	A brief review on Trichloroisocyanuric Acid (TCCA)	
	1. Introduction	
	i) Properties of TCCA	1
	ii) Methods of Synthesis	
	2. Applications of TCCA in organic synthesis	4
	i) TCCA as a chlorinating agent	4
	ii) TCCA as an oxidizing agent	
	a) Oxidation involving transfer of oxygen	12
	b) Oxidation involving dehydrogenation	
	iii) TCCA in protection and deprotection chemistry	27
	iv) TCCA in miscellaneous reactions	30
	3. References	33
TWO	Trichloroisocyanuric Acid Mediated One-Pot Synthesis	
	of Unsymmetrical 2,5-Disubstituted 1,3,4-Oxadiazoles	
	1. Introduction	42
	2. Methods for synthesis of 1,3,4-Oxadiazoles	44
	3. Present work	50
	4. Experimental	58
	5. Spectra	61
	6. References	78
	PUBLICATION	81