

# Table of Contents

	Content	Page Nos.
1	Acknowledgement	i
2	List of Abbreviations	iv
3	Introduction	1
4	<b>Chapter 1: Rearing and Host Preference of <i>Sitophilus oryzae</i> (Coleptera: Curculionidae) in the laboratory conditions</b>	
	1.1 Introduction	15
	1.2 Materials and Methodology	19
	1.3 Results	22
	1.4 Discussion	36
	1.5 Conclusion	41
5	<b>Chapter 2: Isolation and characterization of primary cell line from Rice weevil, <i>Sitophilus oryzae</i></b>	
	2.1 Introduction	43
	2.2 Materials and Methodology	46
	2.3 Results	59
	2.4 Discussion	76
	2.5 Conclusion	81
6	<b>Chapter 3: Screening of insecticides: Fenitrothion and Malathion on SoMG primary cell line and Sf9 cell line</b>	
	3.1 Introduction	83
	3.2 Materials and Methodology	86
	3.3 Results	96
	3.4 Discussion	135
CS	3.5 Conclusion	139
7	<b>General Consideration</b>	141
8	<b>Bibliography</b>	163
9	<b>Publication</b>	
8	<b>Conferences certificates</b>	