Table of Contents

Sr. No.	Topic	Page No.
1.	Acknowledgement	i
2.	List of Abbreviations	iii
3.	Introduction	01 - 15
4.	Chapters	16 - 158
I.	Acute toxicity, Behavioural, Haematological and Biochemical studies of fresh water fish *Oreochromis mossambicus* (Peters, 1852) on exposure of Pyrazosulfuron Ethyl	16 - 39
	a. Introduction	16 - 19
	b. Materials and Method	20 - 22
	c. Results	23 - 32
	d. Discussion	33 - 39
II.	Haematological and Biochemical alterations in freshwater fish *Oreochromis mossambicus* (Peters, 1852) on exposure of Pyrazosulfuron Ethyl - A sub-acute study	40 - 74
	a. Introduction	40 - 42
	b. Materials and Method	43 - 46
	c. Results	47- 66
	d. Discussion	67 - 74
III.	Alterations in condition factor and organosomatic index in *Oreochromis mossambicus* on sub-lethal exposure of PE.	75 - 97
	a. Introduction	75 - 78
	b. Materials and method	79 - 81
	c. Results	82 - 92
	d. Discussion	93 - 97
IV.	A histology-based fish health assessment of *Oreochromis mossambicus* on exposure of herbicide-Pyrazonsulfuron Ethyl	98 - 134
	a. Introduction	98 - 101
	b. Materials and Method	102 - 106
	c. Results	107 - 126
	d. Discussion	127 - 134
V.	Genotoxic evaluation of the herbicide Pyrazonsulfuron Ethyl in *Oreochromis mossambicus*	135 - 158
	a. Introduction	135 - 140
	b. Materials and Method	141 - 142
	c. Results	143 - 151
	d. Discussion	152 - 158
5.	General Considerations	159 - 176
6.	Bibliography	177 - 240