

CONTENTS	PAGES
➤ List of Tables	I - II
➤ List of Figures	III - V
➤ Introduction	1 - 23
➤ Scope and Summary of the work	24 - 26
➤ Description of the Study area	27 - 30
➤ Theory and Experimental Procedure	
a) Theory	31 - 37
b) Methodology	38 - 49
➤ Results and Discussion	
a) Sediment Characteristics	50 - 53
b) Analytical Characteristics of Humic and Fulvic acids	54 - 58
c) Spectral Characteristics of Humic and Fulvic acids	59 - 62
d) Complexation of Humic and Fulvic acids with metals	63 - 78
e) Adsorption Isotherm	79 - 88
f) River run-off of metals	89 - 90
g) Bioavailability of metals to Biota	91 - 92
h) Biochemical study in relation to Zn accumulation in <i>M. birmanica</i>	93 - 96
➤ Conclusion	97 - 99
➤ References	100 - 117
➤ Publication of papers	118