

## CONTENTS

Form A	
Candidate's declaration	
Acknowledgement	
Chapter #1	
Introduction and review of literature	1
Chapter #2	
Isolation and characterization of chromate reducing microorganisms	28
Chapter #3	
Growth and chromate reduction by <i>P. mendocina</i> MCM B-180	50
Chapter #4	
Studies on laboratory-scale processes for the removal of chromate from waste waters	68
Chapter #5	
Mechanism of chromate resistance in <i>P. mendocina</i> MCM B-180	86
Summary and Conclusions	104
Appendix I	110
Appendix II	114
Appendix III	122
References	124
List of publications	135