

# **CONTENTS**

## CONTENTS

	Page
PREFACE	i
ACKNOWLEDGEMENT	ii
CHAPTER I INTRODUCTION	1 - 6
CHAPTER II SYNTHESIS AND ISOLATION OF ELUSIVE TRANS, TRANS, TRANS-[OsX <sub>2</sub> L <sub>2</sub> ] [X = Cl OR Br; L = 2-(ARYLAZO)PYRIDINES]	7 - 20
CHAPTER III ISOMERIC [OsA <sub>2</sub> L <sub>2</sub> ] (A = NO <sub>2</sub> <sup>-</sup> , SCN <sup>-</sup> or N <sub>3</sub> <sup>-</sup> ) COMPLEXES : SYNTHESIS, SPECTRA AND ELECTROCHEMISTRY	21 - 30
CHAPTER IV SYNTHESIS AND CHARACTERISATION OF COMPLEXES OF TYPE [OsX(B)L <sub>2</sub> ] <sup>1+</sup> (X = Cl OR Br; B = HETEROCYCLIC BASES)	31 - 39
CHAPTER V BIPYRAZINE/BIPYRIMIDINE COMPLEXES OF RUTHENIUM(II)-L AND OSMIUM(II)-L	40 - 51
CHAPTER VI MIXED DIOXOLENE-L COMPLEXES OF OSMIUM(II)	52 - 60
CHAPTER VII ISOMERIC [Os <sup>III</sup> X <sub>2</sub> L <sub>2</sub> ] <sup>1+</sup> (X = Cl OR Br) COMPLEXES	61 - 71
SYNOPSIS	72 - 85
PUBLICATION	iii - iv