

CONTENTS

List of Abbreviations	i
List of Symbols	ii
List of Figures and Tables	iii
Preface	xii
1. Introduction	1
2. Literature Review	7
3. Materials and Methods	40
4. Results	68
5. Discussion	153
6. Conclusion	181
7. References	184
8. Appendices	
9. List of Papers Communicated/Accepted/Published/ Presented	
10. Copies of Acknowledgment/Acceptance Letters	
11. Copies of Manuscripts/Reprints of Papers Communicated /Accepted/Published	
12. Personal Profile of the Candidate	

