## CONTENTS

<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>TITLE</th>
<th>PAGE NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>(a) General Introduction</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>(b) Summary of present work</td>
<td>21</td>
</tr>
<tr>
<td>II</td>
<td>Kinetic and mechanistic investigations of oxidation of pentoxifylline drug by alkaline permanganate (Stopped Flow Technique)</td>
<td>31</td>
</tr>
<tr>
<td>III</td>
<td>Oxidative degradation and deamination of atenolol by diperiodatocuprate(III) in aqueous alkaline medium: A mechanistic study</td>
<td>65</td>
</tr>
<tr>
<td>IV</td>
<td>Electrochemical oxidation of pentoxifylline and its analysis in pure and pharmaceutical formulations at a glassy carbon electrode</td>
<td>102</td>
</tr>
<tr>
<td>V</td>
<td>Electro-oxidation and determination of gabapentin at gold electrode</td>
<td>127</td>
</tr>
<tr>
<td>VI</td>
<td>Electro-oxidation and determination of trazodone at multi-walled carbon nanotube modified glassy carbon electrode</td>
<td>155</td>
</tr>
<tr>
<td>VII</td>
<td>Voltammetric oxidation and determination of cinnarizine at glassy carbon electrode modified with multi-walled carbon nanotubes</td>
<td>188</td>
</tr>
</tbody>
</table>

List of publications and reprints