

**SYNTHESIS AND SPECTRAL STUDIES OF COMPLEXES OF PLATINUM
GROUP METALS BEARING η^5 - AND η^6 -CYCLIC HYDROCARBONS AND
MULTIDENTATE NITROGEN DONOR LIGANDS**

**A THESIS SUBMITTED IN PARTIAL FULFILMENT OF THE
REQUIREMENTS FOR THE DEGREE OF**

**DOCTOR OF PHILOSOPHY
IN
CHEMISTRY**

**BY
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