

**QUANTUM CHEMICAL INVESTIGATIONS ON ARYNES:**

**QUINOLYNES AND ISOQUINOLYNES**

*submitted by*

**HENRY N. PANGAMTE**

*For Award of the Degree of*

**DOCTOR OF PHILOSOPHY in CHEMISTRY**

*to*

**DEPARTMENT OF CHEMISTRY  
SCHOOL OF PHYSICAL SCIENCES  
NORTH-EASTERN HILL UNIVERSITY**

**SHILLONG 793 022**

**INDIA**

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