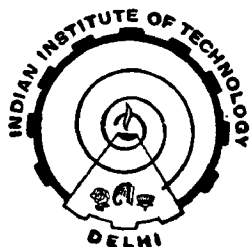


SOME THERMAL & PHOTOCHEMICAL ADDITION REACTIONS AND SPECTRAL INVESTIGATIONS ON ALLENIC ESTERS

A thesis submitted to the
Indian Institute of Technology, Delhi
for award of degree of
DOCTOR OF PHILOSOPHY

by
MOHAN PAUL SINGH ISHAR



Department of Chemistry
INDIAN INSTITUTE OF TECHNOLOGY, DELHI
1986

Dedicated to Late Dr. Manjit Singh

CERTIFICATE

This is to certify that the thesis entitled "Some Thermal & Photochemical Addition Reactions and Spectral Investigations on Allenic Esters" submitted by Mr. Mohan Paul Singh Ishar to the Indian Institute of Technology-Delhi, for award of degree of Doctor of Philosophy in Chemistry, is a record of bonafide research work carried out by him under my guidance and supervision. The candidate has fulfilled all requirements for submission of this thesis which, in my estimation, has reached the requisite standard.

The results contained in this thesis have not been submitted in part or full to any other University or Institute for the award of any degree or diploma.

R.P. Gandhi
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A C K N O W L E D G E M E N T S

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(Mohan Paul Singh Ishar)

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