

DECLARATION

I declare that the work described in this thesis, entitled “**Total synthesis of Pectinolide H, Stagonolide G and development of new synthetic methodologies**” is original and has not been submitted for any degree either in this or any other university. The work was carried out by me under the guidance of **Dr. Y. Venkateswarlu**, Chief Scientist, Natural Products Chemistry Division, Indian Institute of Chemical Technology (IICT), Hyderabad and co-supervision of **Dr. K. Mukkanti**, Director, Institute of Science and Technology, Jawaharlal Technological University, Hyderabad.

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