

DECLARATION BY THE CANDIDATE

I, Pooja Gautam, certify that the work embodied in this thesis is my own bonafide work and carried out by me under the supervision of Prof. K. D. Mandal from 2013 to 2018, at the Department of Chemistry, Indian Institute of Technology (Banaras Hindu University), Varanasi. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma.

I declare that I have faithfully acknowledged and given credits to the research workers wherever their works have been cited in my work in this thesis. I further declare that I have not will fully copied any other's work, paragraphs, text, data, results, etc., reported in journals, books, magazines, reports dissertations, theses, etc., or available at websites and have not included them in this thesis and have not cited as my own work.

Date:

Place:

(Ms. Pooja Gautam)

CERTIFICATE BY THE SUPERVISOR(S)

It is certified that the above statement made by the student is correct to the best of my knowledge.

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