

DECLARATION

I hereby declare that the entire work embodied in this thesis is the result of the investigations carried out by me in the Department of physics, Gauhati University under the guidance and supervision of my respected research Guide, Prof. M. N. Bora, Retd. HOD & Professor, Department of Physics, Gauhati University as Principal Guide and respected Dr. J. Kotoky Assistant Prof. Division of Life Sciences Institute of Advanced Study in Science & Technology, Paschim Boragaon Guwahati-16 as Sub-Guide. I also declare that this thesis as a whole or any part thereof has not been submitted by me for any research degree to this University or any other University/Institution.

February, 2008

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