

#### **Undertaking from the Candidate**

I, Sanjay Singh, research scholar under the supervision of Prof. R.S. Singh, Professor and under the co-supervision of Prof. B.N Rai, Professor, Department of Chemical Engineering & Technology, Indian Institute of Technology (BHU), Varanasi, India give undertaking that the thesis entitled "Studies on biodegradation of Volatile Organic Compounds(VOCs) using modified biofilter media" submitted by me for the degree of Doctor of Philosophy is a record of first-hand research work done by me during the period of study.

I avail myself to responsibility such as an act will be taken on behalf of me, mistakes, error of facts and misinterpretations, if any of course entirely of my own.

Date	(Sanjay Singh)
Place: Varanasi	



### **Course Work/Comprehensive Examination Completion Certificate**

This is to certify that **Mr. Sanjay Singh**, a bonafied research scholar of Department of Chemical Engineering & Technology, Indian Institute of Technology (BHU) has successfully completed the Ph.D. course work examination which is a part of his Ph.D. programme.

Place: IIT (BHU), Varanasi



# **Pre-Submission Seminar Completion Certificate**

This is to certify that Mr. Sanjay Singh, a bonafied research scholar of Department of Chemical
Engineering & Technology, Indian Institute of Technology (BHU) has successfully completed
the pre-submission seminar held on 03 Oct-2015 which is a part of his Ph.D. programme.

Date	(Head of Department)
Place, Varanasi	



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Title of the Thesis : "Studies on Biodegradation of Volatile Organic Compounds

(VOCs) using modified biofilter media"

Candidate's Name : Sanjay Singh

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