

## UNDERTAKING FROM THE CANDIDATE

---

---

I, **Priyanka Singh**, declare that the work embodied in this Ph.D. thesis is my own bonafide work carried out under the supervision of **Prof. R. M. Banik** for a period of 4 years and 3 months from July 2009 to October 2013 at the School of Biochemical Engineering, Indian Institute of Technology, Banaras Hindu University. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma.

Date: 06/11/2013

Place : Varanasi



(Signature of the candidate)

**(PRIYANKA SINGH)**

**COURSE/COMPREHENSIVE EXAMINATION COMPLETION  
CERTIFICATE**

---

---

This is to certify that Sri/Km./Smt **Priyanka Singh**, a bonafide research scholar of this department/school, has satisfactorily completed the course work/comprehensive examination/pre-submission seminar requirement which is a part of his/her Ph.D. programme.



(Signature of the Head of the Department/ School)

Date: 07/11/2013

Place: Varanasi

**समन्वयक  
(Coordinator)**  
जैव रासायनिक अभियांत्रिकी स्कूल  
School of Biochemical Engg.  
भारतीय प्रौद्योगिकी संस्थान  
Indian Institute of Technology  
वाराणसी-221005  
(S.H.U.) Varanasi-221005

## PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE

---

---

This is to certify that Sri/Km./Smt **Priyanka Singh**, a bonafide research scholar of this department/school, has satisfactorily completed the course work/comprehensive examination/pre-submission seminar requirement which is a part of his/**her** Ph.D. programme.



(Signature of the Head of the Department/ School)

Date: 07/11/2013

Place: Varanasi



समन्वयक  
(Coordinator)  
जीव रासयनिक अभियांत्रिकी स्कूल  
School of Biochemical Engg.  
भारतीय प्रौद्योगिकी संस्थान  
Indian Institute of Technology  
वाराणसी (Varanasi)  
(I.I.T. Varanasi) Varanasi-221005

# COPYRIGHT TRANSFER CERTIFICATE

---

---

Title of the Thesis: **Studies on Microbial Production of L-Glutaminase and Its Industrial Application**

Candidate's Name: **PRIYANKA SINGH**

## Copyright Transfer

The undersigned hereby assigns to the Banaras Hindu University all rights under copyright that may exist in and for the above thesis submitted for the award of the Ph.D. degree.



**Signature of the candidate**

Note: However, the author may reproduce or authorize others to reproduce material extracted verbatim from the thesis or derivative of the thesis for author's personal use provided that the source and the University's copyright notice are indicated.