

## **CERTIFICATE**

---

---

It is certified that the work contained in the thesis titled "*Development of genosensors for pathogenic bacteria based on ssDNA probes*" by "*Kashish*" has been carried out under my/our supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive Examination, Candidacy and SOTA for the award of Ph.D. Degree.

**Signature: Supervisor**

**Prof. Rajiv Prakash**  
**School of Materials Science & Technology,**  
**IIT (BHU), Varanasi.**

**Signature of Head of Department/Coordinator of School**

# **COPYRIGHT TRANSFER CERTIFICATE**

---

---

**Title of the Thesis:**     *“Development of Genosensors for pathogenic bacteria based on ssDNA probes”*

**Name of the Student:** *Kashish*

## **Copyright Transfer**

**The undersigned hereby assigns to the Institute of Technology (Banaras Hindu University) Varanasi all rights under copyright that may exist in and for the above thesis submitted for the award of the *"Doctor of Philosophy"*.**

Date: Signature of the Student  
Place: Varanasi

**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 Institute's copyright notice are indicated.**