



## **3<sup>rd</sup> Certificate Course in Nanobiotechnology, 2023** **Hybrid mode**

Kirori Mal College in collaboration with Delhi School of Public Health, IoE and Institute of Nanomedical Sciences (INMS) is organizing a self-financed, hybrid Certificate Course in Nanobiotechnology. The curriculum of the course covers all contemporary areas of nanobiotechnology with an emphasis on its applications in nanomedicine. The interdisciplinary nature brings diverse subjects on a single platform for learners. Eminent scientists have been invited from premier research institutes to teach. Practical sessions include hands-on experience in various techniques. With the expertly planned lectures, the students can explore this field, as scientists are cultivating career opportunities around the world.

### **Eligibility**

- B.Sc. Basic Sciences [Second/Final year students]/B. Pharm /B.E. and B.Tech.
- M.Sc./M. Pharm/ M. Tech., and in science (related to Biology, nano or basic sciences)
- Post Doc, PhD. and M.Phil. students in science and engineering (who want to understand concepts in Nanobiotechnology)

### **Course Content:**

- ❖ Role of physicochemical properties of nanomaterials
- ❖ Biological interactions with nanomaterials
- ❖ Trafficking across biological membranes
- ❖ Nanobiointeractions
- ❖ Drug Delivery
- ❖ Nanotoxicology: Toxicity of nanoparticles
- ❖ Fate of nanoparticles in the body
- ❖ Toxicity mechanisms
- ❖ Nano-genomics

### **Important Dates:**

Availability of Admission forms: **5<sup>th</sup> Oct, 2023**

Last Date for Payment of Fees: **27<sup>th</sup> Oct, 2023**

Date of Commencement of course: **28<sup>th</sup> Oct, 2023**

**Theory: 2 lectures/week (online classes Saturdays 4-6 pm)**

**Practical: End December**

Dates of Assessment: **January 2024**

**Course Fees**  
**Rs 4050/-**

Link to the Form: <https://forms.gle/ugJb3PWMLWKnoeVq7>

### **Patrons:**

Prof. Dinesh Khattar  
Principal,  
Kirori Mal College  
University of Delhi

Prof Rajeev Gupta  
CEO, IoE  
University of Delhi

Prof. Yogendra Singh  
Director, DSPH, IoE,  
University of Delhi

### **Course Coordinators:**

Prof. Anita K. Verma,  
Nanobiotech Lab,  
Kirori Mal College  
Fellow, DSPH, IoE, DU

Prof Indrajit Roy,  
Department of Chemistry  
University of Delhi

### **Co-coordinator**

Prof. Renu Kathpalia,  
Kirori Mal College  
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