



नैनो विज्ञान एवं प्रौद्योगिकी संस्थान

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार का एक स्वायत्त अनुसंधान संस्थान)

नॉलेज सिटी, सेक्टर - 81, एस.ए.एस. नगर, मोहाली - 140306, पंजाब

INSTITUTE OF NANO SCIENCE & TECHNOLOGY

(An Autonomous Research Institute of the Department of Science and Technology, Government of India)

Knowledge City, Sector-81, SAS Nagar, Mohali-140306, Punjab

No: 14(8)/2023-INST

Date: 26.06.2024

Advertisement for position of 'Research Associate-I' under the 'Ministry of Science and Technology, Department of Biotechnology' funded project at Institute of Nano Science and Technology

Applications are invited from highly motivated and bright candidates for engagement of **Research Associate-I** in the research project funded by 'Government of India at Institute of Nano Science and Technology, Mohali.

Title of the Research Project: Lignin valorization via biomaterial development, depolymerization and green technology

Principal Investigator: Prof. Deepa Ghosh, Scientist-G

Name of the position available: Research Associate-I

Number of positions available: 1

Qualifications:

Essential: Ph.D/MD/MS/MDS or equivalent degree or having 3 years of research, teaching and design and development experience after MVSc/M.Pharm/ME/M.Tech with at least one research paper in Science Citation Indexed (SCI) journal.

Desirable Experience: Research experience in Tissue engineering/ Biomaterials / Synthetic Modification of biopolymers/ Proficiency in animal handling is preferable.

Age limit: 35 years as on 30.07.2024 which is relaxable for certain reserved categories as per the rules of the Government of India.

Salary: Rs.58,000/- pm + HRA (as applicable)

Last date of receipt of application: 30.07.2024

Mode of Interview: On-line

Project duration: Initially one year and may be extended based on performance of the candidate and availability of funds.

Brief details of the work to be undertaken: Development of novel scaffolding matrices using lignin, for use in biomedical applications. The matrices would be used for cell culture and direct implantation for regeneration of tissues. The work will require purification of lignin from various plant sources, its modification for the development of hydrogel scaffolds. Physico-chemical characterization, and in vitro and in vivo assessment of its potential in tissue regeneration applications.

General Terms and Conditions: The position is purely temporary and on contractual basis and renewable each year subject to satisfactory performance and availability of funds, for maximum of three years/ till the duration of the project. The position is co-terminus with the project.

Only shortlisted candidates will be communicated through email to appear in the interview and no other communication in this regard will be entertained.

Completed **applications in the prescribed format** as annexed should reach to the following address by **30/07/2024** via email attachment (complete one combined PDF) addressed to: **deepa.ghosh@inst.ac.in**

Note: Candidates are required to submit the application form duly filled in the prescribed format only along with all certificates, failing which application cannot be considered.

For any query, candidates can contact on following address

Dr. Deepa Ghosh

Scientist G

Institute of Nanoscience and Technology (INST),

Sector 81, Knowledge City, SAS Nagar- 140306, Punjab

E-mail: deepa.ghosh@inst.ac.in, Ph No.: +91-172-2297000 (Extn: 7032)