



# राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भुवनेश्वर

परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान

(अनुसंधान और विकास अनुभाग)

**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHUBANESWAR**

(An autonomous research institution under Department of Atomic Energy, Govt. of India)

Jatni, Khurda, Odisha - 752050

**Research & Development Section**

**Advertisement No.: NISER / R&D-242 / BL2201 / 29 / 2022-23**

Applications from Indian nationals are invited for **one temporary position** of **Bioinformatician** under the project entitled "To identify metabolic biomarkers for microbiome for early detection of a) Type-2 Diabetes (T2D), b) Obesity, c) Stress (anxiety & depression, SAD), and d) Neurodegenerative diseases (NDD) & Longitudinal Study of Impact of Probiotics" in the School of Biological Sciences, NISER Bhubaneswar funded by Axilor Ventures Private Limited.

## **QUALIFICATION:**

candidate with a Master's degree in Bioinformatics or equivalent to be working in NISER Bhubaneswar at Jatani, Khurda, Odisha.

**Preference will be given to the candidate with**

- Interests in applying their knowledge to high-impact industrial research.
- Interests in solving advanced biological problems and networking, is required.
- Hands-on experience on AI-ML, python, and R, knowledge and expertise in CSS is desirable
- Understanding of univariate and multivariate statistics and statistical packages is essential,
- Knowledge in handling and dealing with data for correlation and regression would be a plus
- Interests in crunching a lot of data and being able to make quick prototypes.

The **Aich Lab** (<https://www.niser.ac.in/users/palokaich>) focuses on understanding the role of the intestinal microbiome on the gut-adipocyte-brain axis. For this industry-funded project, we plan to establish host metabolome markers to identify individuals' metagenome profiles.

The work would also involve the identification of novel probiotics and their prophylactic or therapeutic roles. Knowledge of essential bioinformatics would be a plus. People with experience and interest in these areas with a strong desire for innovative research are preferred. The job involves but not limited to a) collection of clinical samples under the supervision of Clinical collaborators from AIIMS Bhubaneswar, b) processing of samples for downstream experiments and analysis.

**Monthly Emoluments:** ₹25,000/- pm plus HRA as per rules

**AGE:** 35 years as of August 31, 2022, age relaxation to entitled categories per GOI rules.

***The above position is purely temporary for three months or completion of the project, whichever is earlier and strictly co-terminus with the project and not leading to any Ph.D. degree in NISER. It would, therefore, not confer any right/ claim, implicit or explicit, for consideration/ absorption against any NISER post.***

Shortlisted candidates will be informed and called for the interview; **details of the interview will only be communicated to the eligible short-listed candidates.** They need to email their application (enclosed) along with their detailed CV (Biodata), scanned copies of relevant certificates, at least two letters of recommendation stating the skills and expertise of the candidate, and the proforma (given on pages 2-3 of this document) to [recruit\\_bio2201@niser.ac.in](mailto:recruit_bio2201@niser.ac.in), by **August 31, 2022 as a single document.** For any relevant queries, please contact Professor Palok Aich by the email above.

*No TA/DA will be paid to the candidate for appearing in the interview or joining the position.*

Dean (R&D)



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विज्ञापन संख्या : NISER / R&D-242 / BL2201 / 29 / 2022-23

## भर्ती के लिए आवेदन पत्र

Application for recruitment to the post of **Bioinformatician**

*Paste your recent  
colour passport  
photograph*

1. पूरा नाम (स्पष्ट अक्षरों में) | Full Name (In Block Letters):

\_\_\_\_\_

2. पिता / पति का नाम | Father's / Husband's Name: \_\_\_\_\_

3. जन्मतिथि | Date of Birth : \_\_\_\_\_

4. उम्र | Age as on (दिनांक 31.08.2022) : \_\_\_\_\_

5. पत्राचार के लिए डाक का पता : \_\_\_\_\_

Postal Address for Correspondence

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. स्थाई पता | Permanent Address : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. (a) कॉन्टैक्ट नं | Contact No. : \_\_\_\_\_

(b) ई-मेल | E-mail : \_\_\_\_\_

8. क्या अ.जा./ अ.ज.जा./अ.पि.व./ शा.वि. में आते हैं? : \_\_\_\_\_

Whether belongs to SC/ST/OBC/PWD

(जाति प्रमाण-पत्र का नकल संलग्न किया जावे | Copy of Caste Certificate to be enclosed)

9. क्या CSIR-UGC NET / GATE में योग्य हैं? : \_\_\_\_\_

Whether CSIR-UGC NET / GATE qualified?

(प्रमाण-पत्र का नकल संलग्न किया जावे | Copy of the Certificate to be enclosed)

10. शैक्षणिक योग्यताएँ (स्नातक से) | Educational Qualifications (Starting from Graduation):

परीक्षा का नाम   Name of the Examination	बोर्ड/ विश्वविद्यालय/ संस्थान Board/ Univ./ Institute	उत्तीर्ण होने का वर्ष   Year of Passing	विषय   Subjects	अंको का प्रतिशत Percentage of Marks

11. अनुभव, यदि कोई हो | Experience, if any:

संगठन/ नियोक्ताका नाम Name of Organisation/ Employer	सेवा अवधि वर्ष तथा माह Period of Service in Year & Months	पदनाम Designation	वेतनमान तथा मूल/ सकल वेतन Scale of Pay & Basic/ Gross Emoluments	कार्य की प्रकृति Nature of duties

मैं सत्यनिष्ठा से पुष्ट करता / करती हूँ कि उपर्युक्त जानकारी मेरी अधिकतम जानकारी और विश्वास के अनुसार सही है। यदि मेरे द्वारा दी गयी कोई जानकारी किसी भी चरण पर गलत पायी जाती है, तो मेरा आवेदन रद्द किया जा सकता है।

I do solemnly affirm that the above information given by me is true to the best of my knowledge and belief. If any information given by me is found to be incorrect at any stage, my candidature may be cancelled.

दिनांक | Date :

स्थान | Place :

आवेदक का हस्ताक्षर | Signature of Applicant