



## INSTITUTE OF LIFE SCIENCES

An organisation under the Biotechnology Research and Innovation Council (BRIC), Department of Biotechnology, Govt. of India, Nalco Square, Bhubaneswar 751023, India

### Advt. No. 29/2024

Institute of Life Sciences (ILS), Bhubaneswar, an autonomous institute of the Department of Biotechnology, Ministry of Science & Technology, Government of India invites applications from eligible Indian Nationals for the following positions under the project titled “Exploring the marine ecosystems for novel bioresources with human health and industrial significance.”

**Project duration:** Upto 31.03.2026 or the completion of the project as per GoI orders and based on annual performance appraisal.

#### Position #1

<b>Name of Post</b>	Project Manager
<b>Number of posts</b>	01
<b>Age limit</b>	Minimum age limit is 45 years.
<b>Remuneration</b>	1,50,000/- per month (consolidated)
<b>Eligibility criteria Essential qualifications</b>	Doctoral degree in science or master's Degree in Engineering or technology from a recognized University or equivalent with 20 years experience in marine microbiology and related areas.
<b>Desirable qualifications</b>	Proven experience in molecular microbiology and microbial biodiversity including the characterization, taxonomy, and phylogenetic studies of bacteria from diverse ecological niches including marine ecosystems. Characterization of biotechnologically important enzymes, and cloning for recombinant expression. Experience to assess the influence of biogeochemical cycle on microbial community structure and function in an aquatic ecosystem. Experience in genomics (Bacterial genomes and metagenomes) including the reconstruction of assembled genomes from metagenomes) with proven scientific published papers in peer-reviewed journals. Experience in biorepository for the long-term preservation of bacteria. Should have handled scientific projects and been able to coordinate with the team members.
<b>Job requirement</b>	The person will be responsible for the overall project management, driving and coordinating with other participating institutes, conducting joint meetings with all the stakeholders, etc. Prepare reports and data management.

**Position #2**

<b>Name of Post</b>	Project Scientist – II
<b>Number of posts</b>	10
<b>Upper age limit</b>	40 years
<b>Remuneration</b>	67,000/- per month +18% HRA
<b>Eligibility criteria Essential qualifications</b>	Doctoral degree in science or Master's Degree in Engineering or Technology from a recognized University or equivalent and three years of experience in research and development in industrial and academic institutions or Science and Technology organizations and scientific activities and services.
<b>Desirable qualifications</b>	<p>Candidate should have completed a Ph.D. in any field of life sciences with extensive experience in microbiology/pharmacy / molecular biology / marine biology / Virology / natural products chemistry/drug screening/bioprospecting/experience in working high-throughput NGS technologies/biochemistry/purification and characterization of natural products using LC/MS-MS / UHPLC / HPLC / proteomics / mass-spectrometry / metabolomics, etc. Candidates with experience in the above field and publications in peer-reviewed journals are encouraged to apply.</p> <p style="text-align: center;"><b>OR</b></p> <p>Candidates should have completed a Ph.D. in bioinformatics or computational biology with experience in high-throughput sequencing data analysis such as WGS, transcriptomics, metagenomics, etc. The candidate should have extensive knowledge in working with one or more programming languages such as Python, Perl, C++, JAVA, AI, ML, etc., and publications in peer-reviewed journals are encouraged to apply.</p> <p style="text-align: center;"><b>OR</b></p> <p>System administration, managing HPC operations, installation, configuration, fine-tuning, and troubleshooting Linux HPC servers, building and deploying open source/commercial software, diagnosing and resolving system operational problems quickly and effectively, providing technical support software installation, troubleshooting, data backup/recovery, day to day operations of the bioinformatics facility, network security.</p>

**Position #3**

<b>Name of Post</b>	Project Scientist – I
<b>Number of posts</b>	06
<b>Upper age limit</b>	35 years
<b>Remuneration</b>	56,000/- per month + 18% HRA

<b>Eligibility criteria Essential qualifications</b>	Doctoral degree in science or Master's degree in Engineering or Technology from a recognized University or equivalent.
<b>Desirable qualifications</b>	<p>Candidate should have completed a Ph.D. in any field of life sciences with extensive experience in microbiology/pharmacy / molecular biology / marine biology / Virology / natural products chemistry/drug screening/bioprospecting/experience in working high-throughput NGS technologies / marine biology/biochemistry/purification and characterization of natural products/proteomics / mass-spectrometry / metabolomics, etc. Candidates with experience in the above field and publications in peer-reviewed journals are encouraged to apply.</p> <p style="text-align: center;"><b>OR</b></p> <p>Candidates should have completed a Ph.D. in bioinformatics or computational biology with experience in high-throughput sequencing data analysis such as WGS, transcriptomics, metagenomics, etc. The candidate should have extensive knowledge in working with one or more programming languages such as Python, Perl, C++, JAVA, etc., and publications in peer-reviewed journals are encouraged to apply.</p>

#### Position #4

<b>Name of Post</b>	Senior Research Fellow
<b>Number of posts</b>	13
<b>Upper age limit</b>	35 years
<b>Remuneration</b>	42,000/- per month + 18% HRA
<b>Eligibility criteria Essential qualifications</b>	<p>Candidates having M.Sc. / M. Tech / M. Pharm. / M.V.Sc. or equivalent qualification in Life Sciences or allied subjects (Biochemistry / Biotechnology / Virology / Bioinformatics / Computational Biology / Microbiology, etc.) with a minimum of 55% aggregate marks (relaxation will be given as per GOI guideline) with 2 years of experience in research work are eligible to apply. Preference will be given to national-level entrance test (NET/GATE/GPAT) qualified candidates. For non-NET/GATE candidates, the fellowship would be applicable as per DST guidelines.</p>
<b>Desirable qualifications</b>	<p>Candidates with more than two years of research experience in applied biology/biotechnology/ drug screening/ bioprospecting/ microbiology/ proteomics/ mass-spectrometry or a related field of life sciences.</p> <p style="text-align: center;"><b>OR</b></p> <p>Candidates will have hands-on experience in next-generation sequencing (NGS), specifically 16S rRNA sequencing, as well as proficiency in molecular biology techniques, experimental microbial work, and the handling of clinical samples.</p> <p style="text-align: center;"><b>OR</b></p>

	The candidate with computational biology/machine learning/database development/simulations/programming or scripting.
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**Position #5**

<b>Name of Post</b>	Technician (Laboratory [1] / Administration [2] / Electrical Maintenance [3])
<b>Number of posts</b>	16
<b>Upper age limit</b>	50 years
<b>Remuneration</b>	20,000/- per month + 18% HRA
<b>Eligibility criteria Essential qualifications</b>	[1] BSc. / 3 years diploma in Science, Engineering, and Technology / +2 Science with DMLT and minimum 01 years of working experience in biological/chemical laboratory and field-work. [2] Graduate with one year of experience in office management works (Establishment/Stores & Purchase/Finance & Accounts). [3] Passed ITI in Electrical and possessing Wireman/Lineman license and experience in HT-11 KV/33kV/substation/pump operation/house wiring/AC-VRF system.

**Application process:** Interested/eligible candidates may apply ONLINE through the link provided at the institute website (www.ils.res.in )

**Last date for receiving application:** 5<sup>th</sup> August, 2024  
**Date of display of shortlisted candidates:** 16<sup>th</sup> August, 2024  
**Tentative Date of interview (Hybrid mode):** To be displayed on the Institute website.

**Selection will be carried out through application screening, followed by a written/interview process.**  
N.B.: The list of shortlisted candidates' names and the date of the interview will be published on the ILS website.

All the positions are purely temporary and coterminous with the project. No TA/DA will be paid for attending the interview. The decision of the Director regarding the selection of candidates will be final and no further correspondence will be entertained in this regard.

*Note: All communication will be through e-mail. No separate call letter will be issued to the candidates.*

**Administrative Officer/-**