



राष्ट्रीय समुद्र प्रौद्योगिकी संस्थान

NATIONAL INSTITUTE OF OCEAN TECHNOLOGY

(पृथ्वी विज्ञान मंत्रालय, भारत सरकार)

(Ministry of Earth Sciences, Government of India)

रा.स.प्रौ.सं परिसर, वेलच्चेरी-तांबरम मेन रोड, पल्लिकरणै, चेन्नई-600 100

NIOT Campus, Velachery-Tambaram Main Road, Pallikaranai,

Chennai – 600 100, Ph.:91-44-66783310 / 3300, Fax: 91-44-66783308

ADVERTISEMENT No. NIOT/E&P/05/2017 (PROJECT)

Recruitment of JRF, SRF and RA

National Institute of Ocean Technology (NIOT), Chennai, a technical arm of the Ministry of Earth Sciences, Govt. of India, is functioning with broad objective of promoting technology development in activities related to Ocean Engineering and Ocean Resource utilization. The Institute has taken up various research activities in the area of Ocean Observation Systems, Offshore Structures / Island Desalination, Ocean Acoustics, Ballast water managements, Seawater Quality Monitoring Programme and Marine Biotechnology. This wide spectrum of research activities provides opportunities to bright young men and women in the form of direct Junior Research Fellowships (JRFs), Senior Research Fellowships (SRFs) and Research Associate (RAs) for training in methods of research under the expert guidance of scientists working in the organization.

The fellowship is for fixed tenure and does not imply any assurance or guarantee for subsequent employment by NIOT to the beneficiary. Selected Fellows and Associates will have to devote their full time to the approved research programs. Fellows and Associates are not permitted to take up any other remunerative jobs/assignments during their tenure.

Applications are invited from the interested and eligible candidates. Qualification in the relevant discipline and job requirement in one or more of the areas as mentioned against each post are required. The candidates should apply online and forward a hard copy duly signed by the candidate by post along with Registration No. of online submission, enclosing the required copies of certificates for consideration.

- 1. Name of Post : RESEARCH ASSOCIATE (RA)**
No. Of posts : 6 (Six)

Post Code	RA – OS
No. of Post	3 (Three)
Discipline	Oceanography /Physical Oceanography /Marine Geophysics /Marine Geology
Eligibility Criteria	<ul style="list-style-type: none">• Ph.D (Oceanography /Physical Oceanography /Marine Geophysics/ Marine Geology) (OR)• M.Tech Ocean technology /Oceanography /Physical oceanography /Marine geophysics /Marine geology with three years R&D experience and one publication in standard refereed journals as listed in JCR.

Area of work/ requirement	<ul style="list-style-type: none"> • Oceanographic data processing, analysis, modeling /underwater acoustic data processing and analysis /sound propagation modeling /Field observations • Sonar data acquisition /signal processing algorithms • Marine sensors and systems development /Marine instrumentation • Underwater acoustic communication systems • Working knowledge in Matlab programming / tools
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Post Code	RA – LS
No. of Post	3 (Three)
Discipline	Life Sciences
Eligibility Criteria	<ul style="list-style-type: none"> • Ph.D in Life Science (OR) • M.Tech. in Biotechnology / Genetics with three years of R&D experience and one publication in standard refereed journals as listed in JCR.
Area of work / requirement	Should be capable of carrying out research and developmental activities pertaining to biochemical and molecular analysis of deep sea microbial / marine microalgal / marine finfish / cage culture / anti-biofouling studies / purification and characterization of marine natural products / physicochemical analysis of seawater / project planning / field execution / compilation of data / statistical analysis of data / interpretation of results / technical report preparation.

2. Name of Post : SENIOR RESEARCH FELLOW (SRF)
No. Of posts : 11 (Eleven)

Post Code	SRF – OA
No. of Post	2 (Two)
Discipline	Oceanography / Physical Oceanography / Physics
Eligibility Criteria	<p>Essential:</p> <ul style="list-style-type: none"> • M. Sc. in Oceanography/ Physical oceanography / Physics with at least 60% with two years of research experience and one publication in SCI journal (OR) • M. Tech in Ocean Technology / Ocean Sciences from a recognized university/Institute with at least 60%.

Area of work/ requirement	Oceanographic/Acoustic data processing and analysis /Field measurements/ signal processing related to ocean acoustics / Knowledge in Matlab.
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Post Code	SRF – LS/CS
No. of Post	6 (Six)
Discipline	Life / Chemical Sciences
Eligibility Criteria	<ul style="list-style-type: none"> • M.Sc. in Life / Chemical Sciences, with atleast 60% marks, with two years of research experience and one publication in SCI journal (OR) • BE/B.Tech. in Biotechnology/Genetics/Bioinformatics with at least 60% marks and two years of research experience and one publication in SCI journal (OR) • ME / M.Tech. in Biotechnology/Genetics/Bioinformatics with at least 60% marks (OR) • B.Pharm with at least 60% marks, three years of research experience and one publication in SCI journal (OR) • M.Pharm with at least 60% marks, one year of research experience and one publication in SCI journal.
Area of work/ requirement	Should be capable of carrying out research and developmental activities pertaining to collection, isolation, identification, maintenance, mass culture, biochemical and molecular analysis of deep sea microbial / marine microalgal / marine finfish / cage culture / anti-biofouling studies / purification and characterization of marine natural products / physicochemical analysis of seawater / SCUBA diving and extensive field work for the above activities.

Post Code	SRF – PO
No. of Post	3 (Three)
Discipline	Oceanography / Meteorology
Eligibility Criteria	Essential: <ul style="list-style-type: none"> • M. Sc. in Oceanography/ Physical oceanography / Atmospheric science / Meteorology / with at least 60% with two years of research experience and one publication in SCI journal

	(OR) <ul style="list-style-type: none"> M. Tech in Ocean Technology / Ocean Sciences / Atmospheric science from a recognized university/Institute with at least 60% marks
Area of work/ requirement	<ul style="list-style-type: none"> Oceanographic data collection, data processing and quality control. Analyzing meteorological and oceanographic data. Field observation activities. Knowledge in software/programming languages like MATLAB, GrADS, Ferret, Fortran, C.

3. Name of Post : JUNIOR RESEARCH FELLOW (JRF)
No. Of posts : 4 (Four)

Post Code	JRF – OA
No. of Post	1(One)
Discipline	Oceanography / Physical Oceanography / Physics
Eligibility Criteria	<ul style="list-style-type: none"> M. Sc. in Oceanography/ Physical oceanography / Physics with at least 60% marks and NET /GATE / DST INSPIRE qualified
Area of work/ requirement	<ul style="list-style-type: none"> Oceanographic field observations / data analysis/ signal processing related to ocean acoustics/ knowledge in Matlab

Post Code	JRF – LS/CS
No. of Post	3 (Three)
Discipline	Life / Chemical Sciences
Eligibility Criteria	Essential: <ul style="list-style-type: none"> M.Sc. in Life / Chemical Sciences, with at least 60% marks and NET/GATE/ DST INSPIRE qualified (OR) <ul style="list-style-type: none"> B.Tech. Biotechnology / Genetics / Bioinformatics / B.Pharm with at least 60% marks and NET/GATE/DST INSPIRE qualified
Area of work/ requirement	Should be capable of carrying out preparatory works in the laboratory for research and developmental activities pertaining to collection, isolation, identification, maintenance, mass culture, biochemical and molecular analysis of deep sea microbial / marine microalgal / marine finfish / cage culture / anti-biofouling studies / purification and characterization of marine natural products / physicochemical analysis of seawater / SCUBA diving and extensive field work for the above activities.

General Conditions:

1. The candidates are requested to note the following:

- (i) Candidates must be citizens of India.
- (ii) Positions are purely temporary against projects and co-terminus with the project's tenure.
- (iii) No TA/DA will be paid to the candidate for appearing for the written test/interview.

2. The application form is available online on NIOT website <http://www.niot.res.in/index.php/recruitment>. The candidate has to fill the application online, and upon submission, applicants will be provided with an online Registration Number. After allotment of Registration Number, the candidate has to take a print out of the filled in application and send to NIOT duly signed along with copies of the following certificates. Online applications must invariably be followed by hard copy along with enclosures. Online applications without hardcopy submission will lead to rejection of the application. Similarly, hard copy applications without online registration will not be considered. The application without the following enclosures shall summarily be rejected. Candidates shall enclose self-attested photocopies of the following documents alongwith the printout of the application Form.

- (i) Self attested copies of school leaving certificate, degrees, mark sheets, Proof of PhD registration, Proof of PhD Submission/PhD Viva-Voce/PhD degree, NET, GATE, etc. Attested copies of document in support of research experience. Only office orders (OMs) will be accepted as proof of experience. Offer of appointment or pay slip will not be accepted for this purpose.
- (ii) Self attested copies of research papers published, accepted for publication.
- (iii) Testimonial from Guide/ Supervisor.
- (iv) Undertaking to resign in case of employed candidates in the event of award of Senior Research fellowship/Research Associate (SRF/RA).
- (v) The candidates should not have exceeded the maximum age limit specified as on the last date of online applications.

3. **Age Limit:** The upper age limit for the award of

- i. JRF shall be 28 years,
- ii. SRF shall be 32 years.
- iii. RA shall be 35 years.

4. Candidates who are in Government / autonomous Institutions and PSU should forward No Objection Certificate.

5. NIOT may fix suitable norms for short listing the applications depending upon the vacancies available in the research area in which the vacancies exist.

6. **The Advt. No., Name of Post, Post code and Discipline should be clearly indicated on the envelope.** A candidate can apply in only one post code. The code number of the post should be carefully selected and indicated. It should be directly related to past education and experience and future area of study. Identification of irrelevant code or code not matching with the topic of research may lead to rejection of the application. No change of code would be permitted.

7. The candidates selected are liable to work anywhere in India and can be posted in any of the projects in NIOT.

8. The applications received after due date or without enclosures or incomplete applications will be summarily rejected. NIOT cannot take any responsibility for transit and other delays.

9. The decision of NIOT in all matters relating to eligibility, acceptance or rejection of application shall be final, and no enquiry or correspondence will be entertained in this connection from any individual or his/her agency.

10. The tenure of SRF will initially be 2 years and extendable up to the 3rd year after review by a three member committee. RA will be tenable initially for one year. It may be extended further annually at the discretion of NIOT based on three members assessment committee report. The total tenure of RA is fixed for 3 years. The validity of the offer of the JRF award is two years and will not be extendable.

11. If the candidate wants his/her application to be considered for more than one post, separate application should be submitted for each category.

12. The Fellowships will be paid as per NIOT/CSIR/DST norms

13. Applications should be sent to The Director, National Institute of Ocean Technology, Velachery – Tambaram Main Road, Pallikaranai, Chennai–600100, INDIA so as to reach **on or before the due date, duly superscribing on the envelope “the post name and discipline for which applied”**.

LAST DATE FOR ONLINE APPLICATIONS : **09.02.2018**

LAST DATE FOR RECEIPT OF HARD COPY OF APPLICATIONS: **16.02.2018**