



**INDIAN MARITIME UNIVERSITY
CENTRAL UNIVERSITY
SCHOOL OF MARINE ENGINEERING AND TECHNOLOGY
ACADEMIC BLOCK, HEAD QUARTERS
SEMMENCHERRY CAMPUS
CHENNAI – 600119**

**Advertisement for Junior Research Fellow (JRF) Position in a Ministry of ports,
shipping and water ways (MoPSW) Funded Project**

Applications are invited for **Junior Research fellow (JRF)**, purely on **temporary basis for the implementation of the research project** “SYNTHESIS, CHARACTERIZATION AND APPLICATIONS OF DOPED TITANIUM NANO METAL OXIDE ADDITIVES IN BIO-BASED VEGETABLE GEAR OIL LUBRICANT FOR MARINE APPLICATIONS” at **Indian Maritime University, Chennai**. This project has been sanctioned by Ministry of ports, shipping, and waterways (MoPSW), Govt of India. The project duration is 3 years and the initial appointment will be for one year as Junior research fellow and subsequently based on assessment of the candidate's performance and discretion of the Competent Authority the tenure will be extended to further 2 more years. During the 3rd year JRF will be promoted in the designation of Senior Research fellow (SRF). The requisite qualifications & experience etc., are given below.

Position: Junior Research fellow (JRF)-1 no.

Qualification

M.Sc. or equivalent degree in Chemistry with minimum 55% marks. from a recognized University / Institute.

- Understanding of material characterization techniques is desirable
- Familiarity with Materials/Nano chemistry and organic chemistry is also desirable.
- Knowledge in chemistry specially in the field of Pharma chemicals/ Petroleum Products & Petro- chemicals is desirable.

Candidates with the following knowledge will be preferred:

- Synthesis of organometallic compounds
- Synthesis and characterization of heterogeneous catalysts
- Synthesis of nano materials
- Surfactant chemistry
- Handling of sensitive chemicals / materials

OR

M.Tech in Marine Engineering / Nano Technology /Chemical Engineering/ Mechanical Engineering.

Knowledge in Nano materials/ Tribology/ Nano Tribology is preferred.

Age Limit: The upper age limit is **45 years** as on the last date of application.

Total Emoluments:

(JRF fellowship shall be Rs. 31000/- per month for first two years and Rs.35000/- per month

SRF salary for third year Rs 35,000/- p.m. (Rupees thirty five thousand per month)

Selection Methodology: The candidates meeting the prescribed eligibility criteria / experience requirement shall be subjected to Personal Interview.

General Information:

- Applicants with relevant background only need to apply.
 - **The positions are purely temporary and co-terminus with the project. The initial appointment will be for one year subsequently extended to 2 more years till the completion of the project.**
 - Age relaxation up to 5 years in the case of candidates belonging to SC/ ST/ Women & 3 Years for OBC
 - No TA/DA will be paid for attending the interview.
 - **All applicants should send the detailed CV to: yvvsnmurthy@imu.ac.in**
- Contact no: 9908729258**
- **Last date of receipt of applications is 7th December 2024. The selected candidate may be permitted to register for Ph. D. program as per the existing university rules.**

How to Apply?

Eligible and interested candidates should send their application with a complete CV (having personal details, academic qualifications, research experience, publications, name, affiliation and email address of two referees) and other relevant documents as PDF attachment via Email to yvvsnmurthy@imu.ac.in or hard copies by Speed Post to the above address. All documents should reach the address on or before 7th December 2024. The date of interview will be informed to the shortlisted candidates via e-mail. No TA/DA will be given for attending interview.

Principle Investigator

Dr.Y.V.V. Satyanarayana Murthy

Email: yvvsnmurthy@imu.ac.in

Mobile: **9908729258**