



National Institute of Technology Goa

Farmagudi, Ponda, Goa 403 401

(An Institution of National Importance under MHRD, Govt. of India)

Advt No: NITG/HS/2023/OW/384

Date:10/08/2023

ADVERTISEMENT TO FILL UP THE POSITION OF RESEARCH ASSOCIATE (RA) IN A PROJECT UNDER CEFIPRA

Applications are invited from Indian nationals for the research associate (RA) position in a project funded by the Indo-French Center for the Promotion of Advance Research (CEFIPRA) as per the details given below for the research project under the principal investigators, Dr. Velavan Kathirvelu, Associate Professor, Department of Applied Sciences, National Institute of Technology Goa, and Dr. Serge Gambareli, Director Research, Molecular Systems and Nano Materials for Energy and Health (SyMMES), CEA, Centre de Grenoble, France.

1. Title of the project: **Next-generation spirocyclic nitroxide spin labels for distance measurement at higher temperature by Electron Paramagnetic Resonance Spectroscopy**
2. Sponsor: CEFIPRA
3. Project position (number) Research Associate (one)
4. Project duration 36 Months
4. Qualification: Ph.D. in Chemistry
Candidates should have excellent synthesis skills. Some exposure to EPR spectroscopy is preferable.
5. Emolument: As per the rate stipulated by the Department of Science and Technology
6. Duration: Initially, the appointment is for one year and can be extendable on mutual agreement up to the project funding period. *Note: Post is coterminous with the project duration.*
7. Job Description: We are looking for a qualified and highly motivated candidate having excellent synthesis skills. Some exposure to EPR spectroscopy is highly preferable. The selected research associate (RA) will involve in synthesizing and characterizing specific organic molecules and radicals suitable for distance measurement by EPR spectroscopy. His/her work also involves the characterization of organic radicals by EPR spectroscopy to understand the relaxation behavior and bio-reduction resistance. Initially, the candidate will work closely with Indian PI, and he/she will work with the French PI and use the start of art EPR spectroscopy for distance measurement on synthetic macromolecules and biomolecules.

So the candidate should be ready to travel and stay in the French laboratory for a period of 12 months to complete the project.



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Note:

- Candidates shall ensure that they are eligible for the position they intend to apply for before appearing for the interview
- **Candidates should apply by filling up the application below. Provide all the details along with self-attested copies of certificates, supporting documents and experience should reach Dr. Velavan Kathirvelu by email at velavan@nitgoa.ac.in on or before 03/09/2023, 5.00 PM**
- Subject of the email should be **“Application for a RA position in a project under CEFIPRA”**
- Only the shortlisted candidates will be informed by e-mail apart from publishing result in the NIT Goa website: www.nitgoa.ac.in along with the date and time of the interview. No other letter will be sent to the correspondence address.
- Incomplete application forms and forms received after due date will be summarily rejected.
- Please note that no TA/DA is admissible for attending the interview

Duly filled applications shall reach velavan@nitgoa.ac.in on or before 03/09/2023, 5.00 PM. Only shortlisted candidates will be informed to appear for an interview.



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7. GATE/ NET: Score: _____ Rank: _____ Specialization: _____ Year: _____

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8. Broad Area (Organic/Inorganic/Physical chemistry/Other):

Areas of Expertise:

PhD Thesis Title:

Thesis Abstract:

9. Research Experience details:

| Sl. No | Name of position | Organization name and address | Years (From- To) |
|--------|------------------|-------------------------------|------------------|
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10. Research Publications (use additional sheet if required)

Total number:

| Sl. No | Title of the paper (author/authors) | Journal name (Volume) page no |
|--------|-------------------------------------|-------------------------------|
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| | | |

Note: the first page of the publication should be attached

11. Contact Details of two referees:

| | Referee I | Referee II |
|----------------------|-----------|------------|
| Name: | | |
| Designation: | | |
| Organization: | | |
| Office Address: | | |
| Office Phone Number: | | |
| Email ID: | | |

I do here by declare that the information furnished in this application is true to the best of my knowledge and belief. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature of the candidate