

**Advertisement for the Post of Junior Research Fellow in Chemistry Discipline
Under DST SERB Project at Department of Humanities and Sciences,
National Institute of Technology Goa**

Applications are invited from highly motivated and bright candidates for the position of Junior Research Fellow (JRF) in the ongoing research project funded by DST SERB, Government of India, under the supervision of Dr. Velavan Kathirvelu, Assistant Professor of Chemistry, Department of Humanities and Sciences, National Institute of Technology Goa

Title of the Research Project: EPR Studies of Some Ni(II) Complexes in Crystalline Environment: Probing the Structure, Bonding and Electron Spin Relaxation Rates (**Project No:** SB/FT/CS-119/2014 dated 24/07/2015)

Discipline: CHEMISTRY

Name of the position available: Junior Research Fellow

Number of positions available: One

Essential qualifications: M.Sc. in Chemistry with minimum 60% marks and a valid NET/GATE score.

Salary: Rs. 25,000 per month + 20% HRA

Project Abstract: The fundamental questions in molecular biology are, how the protein folds, how do the molecules assemble in multi-molecular units and how do species cross the membrane? Answer to these and similar questions require measurement of distances between sites in the protein. EPR provides a unique insight into distances between locations in biological systems and can be applied to any system that has two paramagnetic centers. Understating electron spin relaxation of the substrate is the fundamental requirement to do distance measurement. This projects involves understating electron spin relaxation rates mechanism of an essential trace element in biological system, Ni(II) ion in octahedral environment.

Term and Condition: The position is temporary and renewable each year subject to satisfactory performance for a maximum period of two years. The position is coterminous with the project. Candidate selected for this position can also apply for the regular Ph.D program provided he/she satisfies the eligibility criterion for Ph.D program at NIT Goa.

Duly filled and signed application form must be submitted along with the self-attested photocopies of all the testimonials as per the template provided below. Original documents of age proof/certificates/degrees/mark sheets and other testimonials must be furnished for verification at the time of interview. Only shortlisted candidates will be communicated to appear for the interview.

No TA/DA will be paid for attending the interview. Completed application form should reach on or before **23rd January 2017 by speed-post/email attachment** addressed to

Dr. Velavan Kathirvelu
Assistant Professor of Chemistry
Department of Humanities and Sciences
National Institute of Technology Goa
Farmagudi, Ponda, Goa 403 401
Email: velavan@nitgoa.ac.in



National Institute of Technology Goa

Farmagudi, Ponda, Goa 403 401

Application for Project Employment

Paste self-
attested
photo

1. Candidate's Profile:

Name	First	Middle	Last
Father's Name	First	Middle	Last
Date of Birth			
Gender: Male/Female			
Category: Gen/SC/ST/			
Marital Status			
PAN No. (if any)			
Whether any Court Cases Pending? (if yes mention details)			

2. Contacts:

	Permanent	Correspondence
House No. Street		
Village / Town / City/State		
PIN Code		
Landline No.		
Mobile No.		
E-Mail		

3. Post Applied For:

Project No.	
Advt. No. & Date:	
Designation:	
Duration for:	

4. Academic Qualifications:

Degree	Board / University	Year of Passing	Grade/ Div.	%	Subjects/Studied	Xerox Encl. No.

5. Work Experience (if any):

Organization Name	Designation	Job Responsibilities	Duration of work		No. of Year & Months	Xerox Encl. No.
			from	To		

6. Reference:

Name	Address	Phone & email ID

7. Declaration: I hereby, undertake that all the details furnished above are true to the best of my knowledge and I am liable for any disciplinary action, if found otherwise. My candidature may kindly be considered for the above position as per the rules of NIT Goa.

Place:

Signature:

Date:

Name: