

***Karunya Institute of Technology and Sciences (KITS)***  
***Karunya Nagar, Coimbatore, Tamil Nadu***  
**&**  
***Sri Sivasubramaniya Nadar College of Engineering (SSNCE),***  
***Chennai, Tamil Nadu***

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**Recruitment of Senior Research Fellows – Call for Applications**

**Ref: File No. ECE/EFP/DST /TMD(EWO)/OWUIS-2018/ TS -06(G), dated Sep 08, 2020**

Applications are invited from interested and eligible candidates to fill Two Senior Research Fellow positions (one each in KITS and SSNCE) for the project titled “**High performance Integrated Two-Stage Electrochemical Technology for Recovery of Water from Electroplating Effluent with Real-Time Monitoring & Control System**” funded by the Department of Science and Technology, Government of India under Technology Mission Development

**Collaborators** : Karunya Institute of Technology and Sciences (KITS), Coimbatore  
and SSN College of Engineering (SSNCE), Chennai.

**Project Duration** : 3 Years

**Project Plan and Role of Collaborators (Lab Scale Demonstration):**

**a. KITS Team:**

The SRF selected in KITS will get involved (along with the team) in the development of field prototype model of High Performance Integrated Two-Stage Membrane based Capacitive Deionization (MCDI) - Electrocoagulation reactor (EC) in collaboration with ATS Chem Equipment’s Pvt Ltd, Nammakkal and evaluate the performance of treating electroplating effluent in Aruldas Electroplating works, Coimbatore

**b. SSN Team:**

The SRF selected in SSNCE will get involved (along with the team) in developing real time monitoring system which includes nanomaterial-based sensor development and electronics associated with the sensor to detect the heavy metal concentration in electroplating wastewater. The SRF will also get involved in characterization, integrating the sensor with electronics (read out circuit for the sensor) to a final prototype and evaluate the performance through real time monitoring of heavy metal concentration by integrating with the field prototype model developed by KITS.

**Details of Vacancies:**

<b>Postition and Vacancy</b>	<b>Principal Investigator &amp; Place of Work</b>	<b>Essential Qualification</b>
Senior Research Fellow - One at KITS (Emoluments: 35,000/- PM fixed + 16 % HRA for 3 years)	Dr. P. Jegathambal Professor, Water Institute – A Centre of Excellence Email: <a href="mailto:esther.jegatha2011@gmail.com">esther.jegatha2011@gmail.com</a> Karunya Institute of Technology and Sciences, KITS, Coimbatore, Tamil Nadu	Post Graduate Degree in Professional Course (M. E / M. Tech (Environmental /Chemical) with B. E / B. Tech (Civil / Chemical / Environmental) with two years of research experience)

<p>Senior Research Fellow – One at SSNCE (Emoluments: 35,000/- PM fixed + 24 % HRA for 3 years)</p>	<p>Dr. S. Radha, Professor &amp; Head, Department of Electronics Engineering Email: <a href="mailto:radhas@ssn.edu.in">radhas@ssn.edu.in</a> SSN College of Engineering, Chennai, Tamil Nadu</p>	<p>Post Graduate Degree in Professional Course (M.E./M.Tech. in Applied Electronics/ Communication Systems/VLSI Design/ Nanotechnology with two years of research experience)</p>
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### Desirable Qualification:

In addition to the above essential qualification, it is necessary that the candidates should have been selected through a process described through any one of the following **as per DST Norms**:

- Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including lecturer ship (Assistant Professorship) and GATE
- The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.

### General Terms and Conditions:

- Based on the specialization and depending on the suitability to the appropriate component of the Principal Investigator's (PI) designated objectives, interested and eligible candidates can mail their resumes to [esther.jegatha2011@gmail.com](mailto:esther.jegatha2011@gmail.com) (KITS, Coimbatore) or [radhas@ssn.edu.in](mailto:radhas@ssn.edu.in) (SSNCE, Chennai) and also should post the hard copy of the resume to the respective PI (address given below) not later than **25<sup>th</sup> October 2020**.
- The interview date will be communicated to the eligible candidates through email.
- The position is temporary and renewable each year subject to satisfactory performance for a maximum of two.
- Original documents of age proof/certificates/degrees/mark sheet, evidence of two years research experience, list of publications and other testimonials must be presented at the time of interview through online mode.
- The candidate selected for this position can also apply to the regular Ph D program offered at respective Institutions, provided, he/she satisfies the eligibility.

The final selection would be notified within 3 working days of the interview date by email to the concerned candidate. Candidates who are already employed must produce relieving certificate from their employers, if selected.

### Principal Investigators

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