



BITS Pilani

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Research & Innovation

ONE Junior Research Fellow (JRF) Position

Title: Hybrid water electrolyzers for energy-saving hydrogen production assisted by oxidation of biomass derived platforms

BITS Pilani, K K Birla Goa Campus | Deadline: 30 June 2026

Joining: At the earliest

Date: 15 June, 2026

Applications are invited for **ONE** position of **Junior Research Fellow** or **Project Associate** on project, “Hybrid water electrolyzers for energy-saving hydrogen production assisted by oxidation of biomass derived platforms” funded by **Department of Science & Technology (DST)** under the **India - Singapore joint Research Call for Proposals (DST/INT/Singapore/P-04/2026)**

Principle Investigator (PI): Prof. Kiran Vankayala (Department of Chemistry) (PI, Indian Side)
Prof. Boon Siang Jason YEO (Department of Chemistry, National University of Singapore (NUS), PI, Singapore Side)

Scope of work	Essential Qualification	Desirable Qualification
<ul style="list-style-type: none"> Synthesis of nanomaterials and their physicochemical and electrochemical characterization Use of analytical tools for quantification of products such as hydrogen, organic molecules 	(a) M. Sc Degree in Chemistry/Material Science/Nanotechnology or equivalent degree graduates from reputed University/Institute with First class or equivalent grade. (b) GATE or UGC/CSIR-NET	<ul style="list-style-type: none"> Knowledge on material science, electrochemistry and spectroscopy Experience in analytical techniques such as GC, HPLC will be advantage. Good analytical and communication skills

Fellowship: ₹37,000 per month for first two years and ₹42,000 per month for third year plus HRA as applicable for candidates satisfying eligibility criteria (a) & (b), given in the above table.

(or)

₹30,000 per month for first two years and ₹33,000 per month for third year plus HRA as applicable for candidates satisfying eligibility criterion (a) only, given in the above table.

Duration of the Project: 03 Years

Benefits:

- Research training in the cutting-edge areas such as Nanomaterials and Electrochemistry with exposure to state-of-the art research facilities.
- Selected candidate will get opportunity to visit NUS during the project.
- Selected candidate will get opportunity to apply for PhD degree at BITS Pilani, K. K. Birla Goa Campus (Rules of PhD program for BITS Pilani are applicable)
- Hostel accommodation will be provided subject to availability and will be governed by the rules and regulations of the institute prevailing at the time of joining.

Application process: Please apply with **CV and Cover letter** (showing alignment and justification with the roles/responsibilities/requirements) to PI via email kiranv@goa.bits-pilani.ac.in by **30 June 2026 (Tuesday)**. The selected candidates will be informed through e-mail for online interview. No TA/DA will be provided in case of personal interview.

For more details, please contact:

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<https://web.bits-pilani.ac.in/goa/kiranv/profile>