

**BITS Pilani**Pilani | Dubai | Goa | Hyderabad | Mumbai
Research & Innovation**ONE Research Fellow Position****(only for PhD aspirants)****'UV-visible LED light responsive semiconductor films devices for drinking water pollutant sensing and purification applications'****BITS Pilani, K K Birla Goa Campus |****Deadline: 30 September 2023 |****Joining: At the earliest***Date: 14 Sept, 2023*

Applications are invited for **ONE** position of **Research Fellow** on project, "UV-visible LED light responsive semiconductor films devices for drinking water pollutant sensing and purification applications" funded by BITS Pilani, Cross-Disciplinary Research Fellowship (CDRF) scheme (C1/23/200) under the supervision of **Prof. Halan Prakash** (Department of Chemistry), project coordinator.

This position is applicable only to PhD aspirants. The candidates check the eligibility criteria and qualification process of the PhD program of BITS Pilani (<http://www.bitsadmission.com/phmain.aspx>)

| Scope of work | Essential Qualification | Desirable Qualification |
|--|---|---|
| <ul style="list-style-type: none"> UV visible light active photocatalysts and preparation of thin films. Mass spectral analysis of pollutants and other spectroscopic methods. Kinetics modelling of the photocatalytic degradation results and water purification device development | M.Sc Degree in Chemistry/Environmental Sciences/Nanotechnology , and M.Tech Environmental/Chemical/ Nanotechnology engineering or equivalent degree graduates from reputed University/Institute with First class or equivalent grade. | <ul style="list-style-type: none"> Candidate qualified GATE or UGC/CSIR-NET Knowledge on basic spectroscopy, synthesis. Experience in analytical techniques such as GC, HPLC will be an advantage. |

Fellowship: ₹37,000 - ₹42,000 per month (based on the year of PhD and performance)

Duration: As per BITS Pilani norms (<http://www.bitsadmission.com/phmain.aspx>)

Place of work: BITS Pilani, K K Birla Goa Campus, Goa

Benefits: Hostel or Married scholar accommodation can be provided subject to availability and per the institute's rules and regulations

Application process: Please apply with **CV and Cover letter** (showing alignment and justification with the roles/responsibilities/requirements) to PI via email halanprakash@goa.bits-pilani.ac.in

- Deadline: **30 September 2023**

Preliminary shortlisting will be based on resume and telephonic/audio-visual interview within a week of last date of application. For final interview, the candidate will be informed through e-mail for interview. No TA/DA will be provided in case of personal interview. For more details, please contact:

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