



BITS Pilani

Pilani | Dubai | Goa | Hyderabad | Mumbai
Research & Innovation

**ONE Position of Cross Disciplinary
Research Fellow**

**Bio mitigation of Carbon dioxide
(CO₂) via bacterial species**

**Campus | Deadline: 20 November
2023 | Joining: At the earliest**

Date: 08 Nov, 2023

Applications are invited for **ONE** position of Research Fellow on a project, “*Bio mitigation of Carbon dioxide (CO₂) via bacterial species and biological Carbon concentration mechanism (CCM) in selected bacterial species*” under the supervision of Prof. Smita Raghuvanshi (Dept. of Chemical Engineering) and Prof. B. Vani (Dept. of Biological Sciences).

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

Scope of work	Essential Qualification	Desirable Qualification
Scientific technologies have been adopted worldwide since the Paris Agreement in 2015 to reduce GHG emissions and prevent climate change. Technologies such as Carbon capture utilization (CCU) via bacterial route are the objective of our work and include the experimental studies at different concentrations of CO ₂ on a 20 L Bioreactor. Another important work includes finding the Carbon concentration mechanism (CCM) via the bacterial route. The work also includes the kinetic studies to be carried out for the obtained experimental results.	M.Sc., /M.E./ M. Tech with at least 60% marks in Chemical Engineering / Biotechnology / Microbiology/Life science or allied science/Environmental Engineering or equivalent.	Motivated to carry out quality research work in the relevant area. Experience of working on bio-based processes or Microbiology-based experiments would be desirable but is not essential. Students aspiring for the Ph.D. program at BITS will be preferred.

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, Pilani Campus, Pilani

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**

- Please share the CV at these email addresses: smita@pilani.bits-pilani.ac.in and at kvani70@pilani.bits-pilani.ac.in
- Deadline: 27 November 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:

Smita Raghuvanshi
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<https://www.bits-pilani.ac.in/pilani/smita-raghuvanshi/>