



BITS Pilani

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

Research Fellow (to join as PhD Scholar)

Copper tailing utilization using MICP

Pilani Campus | Deadline: 23 Nov 2023 | Joining: At the earliest

Date: 10 November 2023

Applications are invited for **ONE** position of **Research Fellow*** on project, "*Microbial Induced Calcite Precipitation (MICP) as a sustainable method for utilization of copper tailing*" under the supervision of Prof. Ravi Kant Mittal and Prof. Shilpi Garg.

* The selected candidate is encouraged to join PhD Program of BITS Pilani. Interested 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">Improving strength and other geotechnical properties of copper tailings using microbial induced calcite precipitation (MICP) for various civil engineering applicationsOptimization of different parameters or sources utilized in MICP towards cost effective, sustainable, and eco-friendly application.Developing design guidelines for MICP improved copper tailing in subgrade, embankment and foundation using laboratory and field studies.	M.E./MTech in Geotechnical Engineering or allied fields.	Candidates having background of writing technical papers (conferences/ journals) would 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, Rajasthan 333031

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

- Deadline: 23 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/ Phone for interview. No TA/DA will be provided in case of personal interview. For more details, please contact:

Dr. Ravi Kant Mittal, Professor
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Campus, Rajasthan

Email: ravimittal@pilani.bits-pilani.ac.in

Web Page: <http://universe.bits-pilani.ac.in/pilani/ravimittal/profile>