



BITS Pilani

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

Research Fellow (to join as PhD Scholar)

Aptamer based impedimetric sensor for detection of toxic metals in potable water
Pilani Campus | Deadline: 29th Sept 2023 | Joining: At the earliest

Date: 03 Oct, 2023

Applications are invited for **ONE** position of **Research Fellow*** on project, “Aptamer based impedimetric sensor for detection of toxic metals in potable water” under the supervision of Prof. S.K. Verma, Biological Science, Pilani Campus, Prof. Manjuladevi V, Physics, Pilani Campus

* 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
The candidate will develop aptamer-based impedimetric sensor for detecting contaminants mainly toxic metals in potable water. The nature of the research work is interdisciplinary. The candidate will explore the integration of impedimetric sensing using aptamer as the recognition unit of biosensors.	MSc in Biology/Physics, MTech with specialization in Biotechnology/nanoscience/nanotechnology (with first division as defined by the awarding Institute/University) from recognized Universities/Institutes.	NET/GATE qualified. Good knowledge in biotechnology/physics, electronics, experimental skills.

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) using this form

- Google form link: https://docs.google.com/forms/d/e/1FAIpQLSfFcSFI6OWR9sb9kZr-cpNnpe5fxUO9jZkT2iyj-sQnp3Y_QA/viewform?usp=pp_url
- Deadline: **15th October 2023**

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

Prof. S.K. Verma
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Email: skverma@pilani.bits-pilani.ac.in
Website: <https://www.bits-pilani.ac.in/pilani/sk-verma>