

WITS
UNIVERSITY



**FACULTY OF SCIENCE
SCHOOL OF GEOSCIENCES**

Lecturer / Senior Lecturer in Sedimentology, Stratigraphy and Palaeoclimate

The School of Geosciences at Wits University is seeking a dynamic candidate to join our team as a lecturer or senior lecturer with multidisciplinary research skills and interests **spanning sedimentology, stratigraphy and palaeoclimate analysis**. The successful candidate will join one of Africa's largest and most diverse geoscience institutions, contributing to our academic training programs, while developing their own research team and themes.

The School of Geosciences is an acknowledged leader in Earth Science research and training with a specific focus on, but not limited to, the geology and natural resources of Africa. The vibrant and diverse academic grouping incorporates specialists in geology, economic geology, exploration and mining geoscience, geochemistry, geochronology, geophysics, palaeontology, and hydrogeology and environmental science, supported by state-of-the-art research and training facilities (<https://www.wits.ac.za/geosciences/>). The School of Geosciences co-hosts the national DST/NRF Centre of Excellence in Integrated Mineral and Energy Resource Analysis (CIMERA) and the international AfricaArray Geophysics Programme, together with several industry-academic partnerships and research programmes. The School benefits from its location in Johannesburg, surrounded by many superlative geological features, with strong collaborative links with the international mining and mineral exploration industry. The School places a strong emphasis on facilitating cutting-edge and societally relevant science while producing graduates with the requisite skills for the global workplace.

The Wits School of Geosciences also hosts world-class analytical capabilities in a central facility known as the Earth Observatory, which includes a TESCAN Integrated Mineral Analyzer (TIMA), quadrupole ICP-MS, a LA-SF-ICP-MS setup dedicated to U-Pb age dating and trace element analysis, as well as Africa's only multidisciplinary isotope facility that includes an ultraclean, metal-free laboratory as well as a collision cell MC-SF-ICMS and a TIMS for analysis of a wide range of isotopes. The School also hosts a virtual SIMS link with Helmholtz GeoForschungsZentrum (GFZ) and has a wide range of geophysical instrumentation for potential field data acquisition, as well as both active and passive reflection and refraction seismic equipment, supported by a comprehensive physical properties lab.

Requirements, Key Performance Areas & Competencies

The successful candidate is expected to establish an active and well-funded research programme, publishing research in internationally accredited journals, as well as attracting and graduating talented postgraduate students. They will be required to teach undergraduate courses, mainly linked to sedimentology and stratigraphy and contribute to leading and organising at least one field trip at an undergraduate level.

Applicants must provide evidence of:

- A PhD in geological sciences.
- A track record of skills and research interests in the broad fields of sedimentology, stratigraphy and palaeoclimate.

- Strong field mapping skills and the ability to co-lead undergraduate mapping field trips.
- Skills in geological and/or computational modelling as applied to sedimentological or palaeoclimatic datasets.
- Appropriate evidence of excellent postgraduate student supervision and mentorship.
- An independent research record with publications in internationally recognised journals will be essential for the senior lecturer position.
- An appropriate record of fundraising for research projects and postgraduate student support.
- Excellent oral and written communication skills.

Enquiries: For further information contact the Head of School, Professor Grant Bybee (Tel: +27 11 717 6633; email: grant.bybee@wits.ac.za).

To apply:

Submit a cover letter accompanied by a detailed curriculum vitae, certified copies of all educational qualifications and identity documents, research portfolio, teaching portfolio, and names and e-mail addresses of three referees.

External applicants are invited to apply by registering their profile on the Wits i-Recruitment platform located at <https://irec.wits.ac.za> and submitting applications. Internal employees are invited to apply directly on Oracle by following the path: iWits /Self Service application/"Apply for a job.

Closing Date: Tuesday, 01 October 2024

Only short-listed candidates will be contacted. Applicants who do not hear from the University within a month from the closing date can assume that their application was unsuccessful.

Applicants hereby provide consent to process personal information in terms of POPIA.

"The University is committed to employment equity. Preference may be given to appointable applicants from the underrepresented designated groups in terms of the relevant employment equity plans and policies of the University. The University retains the right not to make an appointment, to invite applications after the closing date, and to verify all information provided by candidates."

♻️ Committed to excellence and equity