



Assistant Lecturer

Department/Unit	School of Earth, Atmosphere and Environment
Faculty/Division	Faculty of Science
Classification	Academic Teaching and Research Level A
Work location	Clayton campus
Date document created or updated	August 2017

Organisational context

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu

The **School of Earth, Atmosphere and Environment** is located in the Faculty of Science (www.monash.edu/science/) and has close collaborations with other Schools, such as Physics, Chemistry and Biology, and with other Faculties, such as Business and Economics, Arts, and Engineering. The School has strong links with outside institutions such as CSIRO, The Australian Synchrotron, and Geoscience Australia as well as a large number of research institutes and universities globally. The School is multidisciplinary with a range of research groups in Solid Earth Sciences, Atmospheric and Climate Sciences, and Environmental Sciences. A detailed list of research groups and current and future topics can be found on the School's webpage (<https://www.monash.edu/science/schools/earth-atmosphere-environment/research>).

The School has a suite of world-class research facilities in geochemistry supported by full time technicians (<https://www.monash.edu/science/schools/earth-atmosphere-environment/facilities/research-laboratories>). The School also benefits from access to state-of-the-art user facilities for materials and biological research such as the Monash Centre for Electron Microscopy, the Monash X-ray Platform, the Monash Isotopia Lab, the Monash Micro Imaging Facility and the Australian Synchrotron, which is located immediately adjacent to Monash's Clayton campus.

Position purpose

The role of the Level A academic will include collaborative undergraduate teaching in Geochemistry and Environmental Science, including the generation and delivery of teaching materials and assessment. The Level A academic will also carry out activities to develop her/his scholarly research and/or professional expertise relevant to the profession or discipline.

The Level A academic will be part of the Monash Environmental Geochemistry and Geochemical Analysis Group. The successful candidate will be expected to carry out collaborative research with the group, leading to publications in high-impact international journals. Research interests include the interactions between

metals, microorganisms and minerals in aqueous environments and sedimentary systems, isotope geochemistry, and applying geochemical principles to sustainable mining and mineral processing techniques.

This position is for two years, during which the Level A academic will be mentored and assisted to apply for independent competitive research funding support.

Reporting Line: The position reports to Dr Andrew Frierdich

Supervisory responsibilities: Not applicable

Financial delegation and/or budget responsibilities: Not applicable

Key responsibilities

Level A academics are expected to make a solid contribution to teaching and research within their school or faculty and to inspire and motivate students to learn through effective communication. They should have a sound grasp of their subject matter and the development of assessment tasks and activities that foster intellectual independence.

Level A academic staff duties include:

1. Preparation and delivery of lectures and practicals
2. Assisting with direction and supervision of sessional staff and/or teaching associates in the running of practical classes
3. Contributing to the production of teaching materials for students for whom the academic has responsibility
4. Marking and assessment of subjects in which the academic teaches
5. Assisting with a range of activities that contribute to maintaining currency with disciplinary learning and teaching innovation; including remaining up-to-date with research into teaching practises to enable development and implementation of new teaching strategies to enhance learning
6. Attendance at departmental, school and/or faculty meetings and/or membership of a limited number of committees
7. The conduct of research, including the supervision of senior undergraduate and post-graduate students and contributing to the development of competitive grant funding applications

Key selection criteria

Education/Qualifications

1. The appointee will have a PhD in Earth, Environmental or Chemical Sciences (or aligned field) from recognised university

Knowledge and Skills

2. Expertise in experimental and laboratory work, applicable to environmental and geochemical problems
3. A high level of interpersonal skills and demonstrated ability to work independently and as part of a team
4. Proven track record of research excellence, including refereed research publications
5. Ability to work positively and cooperatively with students, internal and external teams of scientific researchers and agencies
6. Teaching experience at the university level

Other job related information

- Travel (e.g. field excursions) may be required
- There may be peak periods of work during which the taking of leave may be restricted

Legal compliance

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.