



## Position Description - Postdoctoral Research Assistant – Environmental Soil Chemistry

### Position Details

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<b>Position Title:</b>	Postdoctoral Research Assistant – Environmental Soil Chemistry
<b>College/Portfolio:</b>	STEM College
<b>School/Group:</b>	School of Engineering
<b>Campus Location:</b>	Based at City campus but may be required to work and/or be based at other campuses of the University.
<b>Classification:</b>	Academic Level A6
<b>Employment Type:</b>	Fixed Term (Research) for 2.5 years
<b>Time Fraction:</b>	1.0

### RMIT University

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RMIT is a multi-sector university of technology, design and enterprise with more than 96,000 students and close to 10,000 staff globally. The University's mission is to help shape the world through research, innovation and engagement, and to create transformative experiences for students to prepare them for life and work.

<https://www.rmit.edu.au/about>

<https://www.universitiesaustralia.edu.au/university/rmit-university/>

Our three main campuses in Melbourne are located in the heart of the City, Brunswick and Bundoora. Other locations include Point Cook, Hamilton and Bendigo, two campuses in Vietnam (Hanoi and Ho Chi Minh City) and a centre in Barcelona, Spain. RMIT is a truly global university.

<https://www.rmit.edu.au/about/our-locations-and-facilities>

We are also committed to redefining our relationship in working with, and supporting, Indigenous self-determination. Our goal is to achieve lasting transformation by maturing our values, culture, policy and structures in a way that embeds reconciliation in everything we do. We are changing our ways of knowing, working and being to support sustainable reconciliation and activate a relationship between Indigenous and non-Indigenous staff, students and community. Our three campuses in Melbourne (City, Brunswick and Bundoora campuses) are located on the unceded lands of the people of the Woi Wurrung and Boon Wurrung language groups of the eastern Kulin Nation.

### Why work at RMIT University

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Our people make everything at the University possible. We encourage new approaches to work and learning, stimulating change to drive positive impact. Find out more about working at RMIT University, what we stand for and why we are an Employer of Choice.

<https://www.rmit.edu.au/careers>

We want to attract those who will make a difference. View RMIT's impressive standings in university rankings. <https://www.rmit.edu.au/about/facts-figures/reputation-and-rankings>

## STEM College

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The STEM College holds a leading position and expertise in the science, technology, engineering, mathematics and health (STEM) fields. We are uniquely positioned to influence and partner with industry, as never before.

STEM College is a community of exceptional STEM researchers, teachers, inventors, designers and game-changers, supported by talented professional staff. We offer higher education programs across all STEM disciplines at the Bachelor, Master and PhD levels, and ensure our students experience an education that is work-aligned and life-changing.

The College is renowned for its exemplary research in many STEM areas including advanced manufacturing and design; computing technologies; health innovation and translational medicine; nano materials and devices; and sustainable systems. Our brilliant researchers attract funding from government and industry sources.

Industry is at the heart of what we do. It ensures our research has real world impact, and our students are truly work-ready. Under the leadership of DVC STEM College & Vice President, Digital Innovation, we have established new hubs of industry-connected digital innovation and endeavour and are engaging with global STEM organisations at scale.

Our diversity and shared values empower our work, and we are proud of the College's inclusive, caring culture. We offer a safe, dynamic work environment, and support every member of our community to achieve their potential. The College appointed Victoria's first ever Dean of STEM, Diversity & Inclusion in 2020, and this role drives gender equity, diversity and inclusion strategies across the College.

STEM College employs 1,000 staff who deliver onshore and offshore programs to approximately 20,000 students.

**We are here to positively impact the world and create the next generation of STEM leaders.**

[www.rmit.edu.au/seh](http://www.rmit.edu.au/seh)

## School of Engineering

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The School of Engineering is based on innovation and creativity. Our disciplines provide programs with flexible pathways to global careers or postgraduate research encompassing:

- aerospace engineering and aviation
- chemical and environmental engineering
- civil and infrastructure engineering
- electrical and biomedical engineering
- electronic and telecommunications engineering
- mechanical and automotive engineering
- manufacturing, materials and mechatronics engineering.

## Position Summary

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The research project addresses the urgent global concern of arsenic contamination. The complex interplay of iron-arsenic interactions in the presence of organic and biotic systems presents challenges for managing this globally important problem. We aim to shed light on the transformations of host mineral phases controlling arsenic behaviour.

As the Postdoctoral Research Assistant, you will play a crucial role in advancing our understanding of iron-arsenic interactions using innovative experimental infrastructure and advanced tools, contributing to the comprehension of arsenic and iron fate.

Annual international travel is a requirement for this position.

## Reporting Line

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Reports to: Chief Investigator, Dr Dane Lamb

## Organisational Accountabilities

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RMIT University is committed to the health, safety and wellbeing of its staff. RMIT and its staff must comply with a range of statutory requirements, including equal opportunity, occupational health and safety, privacy and trade practice. RMIT also expects staff to comply with its policy and procedures, which relate to statutory requirements and our ways of working.

Appointees are accountable for completing training on these matters and ensuring their knowledge and the knowledge of their staff is up to date.

## Key Accountabilities

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1. Conduct research/scholarly activities under limited supervision either independently or as a member of a team including: publishing and presenting research outputs at conferences and research forums; contributing to external research funding submissions; participating in supervision of higher degree by research candidates.
2. May undertake limited teaching and supervision at undergraduate levels as required.
3. Undertake administration related to the position.
4. Undertake 10% teaching and learning program appropriate to areas of expertise.

## Key Selection Criteria

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1. Evidence of experience in soil chemistry or geochemistry and techniques such as XRD, Mass Spectrometry, and X-ray Absorption Spectroscopy, or similar, applied within the Earth Sciences.
2. Evidence of research output including publications, conference contributions and/or technical reports in the field.
3. Ability to generate alternative funding projects through effective liaison with industry and government.
4. Ability to work autonomously whilst displaying a strong commitment to work in a team environment, including the demonstrated ability to confidently and effectively work with colleagues, project team leaders, and industry partners.
5. Demonstrated ability to meet deadlines and effectively manage varying workloads and respond to changing priorities as required.
6. Excellent interpersonal and communications skills appropriate for interacting with higher degree by research candidates, staff and industry

## Qualifications

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### Mandatory:

- PhD in related field (Environmental Geochemistry, Soil Chemistry or Rhizosphere Science)

Note: Appointment to this position is subject to passing a Working with Children Check and other checks as required by the specific role. Maintaining a valid Working With Children Check is a condition of employment at RMIT.