



Position Description – Senior Research Fellow

Position Details

Position Title:	Senior Research Fellow
College/Portfolio:	STEM College
School/Group:	School of Science
Campus Location:	Based at the City campus but may be required to work and/or be based at other campuses of the University.
Classification:	Academic Level C
Employment Type:	Fixed Term (Research) 12 months with further extension if funding permits
Time Fraction:	0.4

RMIT University

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

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

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

School of Science

The School of Science delivers excellence in applied research and education, engaging in strong impactful industry partnerships and producing skilled, industry-ready graduates.

The School employs over 120 academic and 60 FTE research staff across five academic Disciplines (Applied Chemistry and Environmental Sciences; Biosciences and Food Technology; Geospatial Sciences, Mathematical Sciences; Physics).

The School has a diverse research portfolio across science and mathematics with international research excellence in quantum science technologies, advanced materials chemistry and catalysis solutions and in water science, systems and sustainability; in addition to emerging strengths in geospatial technologies, mathematics and future food technologies. Annual research income for the School is around \$20 million and the School has just under 400 Higher Degree by Research students.

The School delivers high-quality applied, authentic and active industry-engaged education and teaching to over 2,600 undergraduate- and postgraduate-taught students across 10 ongoing undergraduate and 8 postgraduate programs, in addition to offshore partnerships and delivery, including in China and Vietnam.

Across learning and teaching and research, the School partners actively with industry and external stakeholders in Australia and internationally, delivering innovation, research translation and providing knowledge and real-world solutions for societal good and to enhance sustainable development. The School is strongly committed to promoting and enhancing diversity and inclusion and seeks also to activate and develop its commitment to reconciliation.

Details of the School can be found at:

<https://www.rmit.edu.au/about/schools-colleges/science>

ARC Centre of Excellence for Green Electrochemical Transformation of Carbon Dioxide

The Australian Research Council Centre of Excellence for Green Electrochemical Transformation of Carbon Dioxide (GETCO2) gathers a critical mass of expertise to tackle the world's biggest challenge – carbon dioxide. Led by Professor Xiwang Zhang, GETCO2 is a \$45M, 7-year collaboration funded by the ARC, university, industry, and government partners. Our national university partners are The University of Queensland, Griffith University, University of Sydney, University of New South Wales, RMIT, Monash University and University of Adelaide. GETCO2 is the world's largest research endeavour focusing on electrochemical conversion of CO₂ into useful products such as fuels and chemicals. Acting as a focal point for research, training, technology translation and advice, GETCO2 is positioned as a global leader in carbon dioxide transformation. The Centre aims to generate long-term economic, social and environmental benefits by building capacity and capability to address national and international net-zero obligations.

GETCO2 provides a collaborative working environment across a national network and supports flexible, family friendly work practices.

Further information about the Centre can be found at www.getco2.org

Position Summary

The Senior Research Fellow will be located within the School of Science at RMIT University and work with research teams and partnerships across the ARC Centre of Excellence for Green Electrochemical Transformation of Carbon Dioxide (GETCO2), as well as in the School and College. The Senior Research Fellow will be required to undertake research activities in line with the Centre's vision, developing materials for electrodes and electrocatalysts related to CO₂ reduction. The Fellow will make independent and original contributions to research, which have a significant impact in chemistry and materials science, as well as be acknowledged at an international level as being influential in expanding knowledge in these areas.

The Senior Research Fellow's role is primarily to develop, engage in and lead high quality research projects that are aligned with the Centre's research focus areas. The Fellow will have an important research leadership role in embedding their research expertise into the life of the Centre and will be required to develop high-quality, productivity-driven research networks across the Centre, RMIT and with local, national and global, internal and external partners. As a Senior Research Fellow, you will be expected to engage in high quality research projects, to achieve success in attracting research funding and to produce high quality outputs. You may also undertake limited teaching duties.

Reporting Line

Reports to: Professor, Deputy Director GETCO2, Applied Chemistry and Environmental Science

Organisational Accountabilities

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

1. Make independent and original contributions to research acknowledged at a national level including: developing and supporting highly successful research teams; managing research projects and programs within timelines and budget and ensuring compliance with quality and reporting requirements.
2. Regularly publishing research results in high quality outlets as lead author and in collaboration with other researchers.

3. Identifying appropriate funding sources and prepare successful external research funding submissions; attracting and supervising higher degree by research candidates.
4. Provide leadership in research, including research training and supervision and leading research teams.
5. Participate in the leadership of Research Group and/or Centre research development and participate in the development and governance of Centre activities.
6. Comply with occupational health and safety policies and procedures.

Key Selection Criteria

1. Emerging nationally recognised research track record in the subject areas of materials science and chemistry, including substantial record of research outputs in high quality outlet.
2. Extensive experience in the synthesis and characterisation of nanomaterials with controlled morphology.
3. Extensive experience in research leadership with the ability to build and develop collaborative research teams, mentor academic staff to deliver high quality outcomes, attract and secure external research funding to sustain research effort and manage funded research projects including complex budgets and reporting requirements.
4. Extensive experience in supervising higher degree by research candidates and undergraduate projects to maximise research performance.
5. Excellent interpersonal and communications skills appropriate for interacting with higher degree by research candidates, staff and industry, together with a strong commitment to teamwork and multidisciplinary collaboration.

Qualifications

Mandatory: PhD or equivalent¹ in chemistry, chemical engineering, materials science or materials engineering or closely related field.

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.

¹ Equivalence is defined in the exemption criteria at **Appointment of staff without Doctoral qualifications** instruction