

POSITION DESCRIPTION



Postdoctoral Research Fellow



POSITION DETAILS

Position Title	Postdoctoral Research Fellow
Classification	Academic Level A
Position Number	New
School/Office	School/Office School of Engineering, Design and Built Environment
Division	Faculty

POSITION PURPOSE

The Postdoctoral Research Fellow will be expected to conduct research in collaboration with the project team, maintain and develop their scholarly, research and/or professional activities relevant to the recycled concrete technologies and cement decarbonisation in the construction engineering industry. The Postdoctoral Research Fellow will be expected to be involved in a range of research activities that span the research process which also include student supervision. The position is outcome driven and satisfactory performance may be assessed regularly to ensure progress is made.

Project Details

The Postdoctoral Research Fellow will be supporting the Australian Research Council Project on sustainable development. This position is based in Kingswood campus and the Fellow will focus on sustainable evaluation of green technologies aspects of the funded project. The Fellow will report to project team for research direction and research assessment.

KEY ACCOUNTABILITIES

1. Research

- Conduct research related activities to ensure aspects of the research process are undertaken efficiently and effectively.
- Prepare and manage research data (written and oral) for presentation and publication.
- Prepare and submit external competitive research grant applications.
- Publish high quality papers (Authored research book, authored book chapter, Quartile-one Journal article).

2. Administration

- Contribute to the intellectual life of the School and the University as opportunities arise e.g. fund applications, presenting seminars, guest lectures.
- Participate in project meetings with Industry and academic partners.
- Participate in meetings as required in the School and the University.
- Contribute to the School and University community through regular participation in activities.
- Maintain appropriate records for the project and research in general.

3. General

- Actively pursue professional development to ensure and maintain contemporary discipline knowledge.
- Contribute to the intellectual life of the School and the University as opportunities arise e.g., fund applications, presenting seminars, guest lectures.
- Facilitate and maintain good communication with Academic and Professional staff and students.

QUALIFICATIONS, EXPERIENCE AND SKILLS

1. **Proven track record of conducting research** and scholarly publishing especially high-quality Q1 journals in the field of sustainable evaluation of development in construction.
2. **Proven track record of securing research grants.**
3. **Demonstrated strong understanding of experimental and research design** and methodology with qualitative and quantitative data analysis software.
4. **Ability to perform high-quality research** independent and initiate credible ideas.
5. **Ability to work with relevant government departments**, professional networks, agencies and organisations.
6. **Demonstrated ability to operate independently within a research environment** and to exercise initiative and judgement within guidelines of the Unit and University.
7. **Demonstrated ability to work independently** and as part of a team.

KEY RELATIONSHIPS

- **This position reports to:** Project leader, Distinguished Professor Vivian Tam.
- **This position has no staff supervisory responsibilities.**
- **Key internal relationships:**
 - Lead investigator
 - Academic colleagues in the discipline group, School and University
 - Students
 - Associate Dean (Research)
 - Dean and School Manager
- **Key external relationships:**
 - Partner organisations
 - Government Departments
 - Professional Networks and Organisations
 - Industry Bodies

CHALLENGES

- Managing multiple interdisciplinary research activities and stakeholder expectations while ensuring the delivery of high-quality and timely research outcomes.
- Securing and maintaining external research funding in a competitive and evolving research

- environment.
- Translating complex research findings on recycled concrete and cement decarbonisation into practical and industry-aligned applications that support sustainable development goals.

UNIVERSITY EXPECTATIONS

The University expects that all employees are aware of, and comply with legislation and Western's policies and procedures relevant to the position, including but not limited to:

- Code of Conduct;
- Work Health and Safety and Wellbeing Management System;
- Western Sydney University Academic Staff Agreement 2022;
- Anti-Discrimination principles, Equal Employment Opportunity and staff and student equity.

Approved by: SHRP minor changes

Date: 20/10/2025