
Position Title:	Research Associate / Research Fellow
Position Classification:	Level A / B
Position Number:	315039
Faculty/Office:	Faculty of Science
School/Division:	School of Biological Sciences
Centre/Section:	ARC Centre for Mine Site Restoration
Supervisor Title:	Associate Professor
Supervisor Position Number:	302562

Your work area

You will be part of UWA's School of Biological Sciences and the ARC Industrial Transformation Training Centre for Mine Site Restoration (CMSR– see <http://arc-cmsr.org/>). The School of Biological Sciences is a large, multidisciplinary School with research and teaching focused on understanding and conserving life on Earth. The CMSR is a research partnership between Curtin University (administering organisation), The University of Western Australia and the Department of Biodiversity, Conservation and Attractions through Kings Park Science. The CMSR is also collaborating closely with The Society for Ecological Restoration Australasia and six mining companies throughout Western Australia. The CMSR is a new model for workplace-integrated researcher training. It will deliver restoration-industry-ready professionals focused on the needs of the mining sector, to enhance the capacity of industry to deliver improved financial, social and environmental outcomes. The CMSR is structured as six thematic research areas: restoration genetics, seed technology and enablement, rare species management, restoration ecophysiology, restoration trajectory, and mining industry policy extension. It supports the activities of four post-doctoral researchers and 20 postgraduate students.

Reporting Structure

Reports to: Associate Professor

If a leadership/ supervisory role:

Direct Reports: NA

Your role

As a Research Associate/ Research Fellow in Restoration Ecophysiology/ Rhizosphere Science you will undertake research on Restoration Ecophysiology, with a focus on plant-soil interactions, in particular water relations, and/or plant-microbe-soil relations.

This position is one of four post-doctoral fellowships that is expected to involve strong interdisciplinary collaboration with the CMSR team (CMSR Director and Chief Investigators) as well as new and established researchers and mining industry partners. You will be based at UWA but will also spend time at Curtin University to build the collegial team of post-doctoral researchers.

Your key roles include making a substantial contribution to the research profile of the CMSR, liaising with mining industry partners, and co-supervising post-graduate students.

Key responsibilities

Responsibilities include but are not limited to:

- A leading role in research on restoration ecophysiology and/or rhizosphere science that affect restoration success;
- Establish protocols and tools that facilitate establishment, monitoring and evaluation of restored ecosystems;
- Active involvement in supervision and training of postgraduate students and undergraduate research students;
- Collaborate actively including shared time with staff and research partners at Curtin University and the Botanic Gardens and Parks Authority (Kings Park), and more broadly with other research and partner institutions.
- Other duties as directed

Your specific work capabilities (selection criteria)

- Relevant doctoral qualification
- Excellent research and publication profile relative to opportunity in a relevant area of plant ecophysiology, plant-soil systems or plant-microbe systems
- Well-developed written and verbal communication skills
- Demonstrated skills in plant ecophysiology; additional skills in soil microbiology, soil physics or rhizosphere science will be looked at favourably
- Demonstrated experience in experimental design and statistical analysis of data
- Highly developed ability to work collaboratively with other scientists and team members
- Well-developed understanding of safety procedures required under field and laboratory conditions

Special Requirements

- Current National Police Clearance Certificate
- Willingness to undertake regular mine site medical assessments including regular drug and alcohol tests
- Willingness to travel intrastate, interstate and/or overseas as part of their professional duties
- Willingness and ability to visit remote sites for field work for extended periods of time
- A valid WA drivers licence or equivalent

Compliance

Workplace Health & Safety

All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).

All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements. Details of the safety obligations can be accessed at <http://www.safety.uwa.edu.au>

Inclusion & Diversity

All staff members are required to comply with the University's Code of Ethics, Code of Conduct and Inclusion and Diversity principles. Details of the University policies on these can be accessed at <http://www.hr.uwa.edu.au/policies/policies/conduct/code>, <http://www.web.uwa.edu.au/inclusion-diversity>