

Position Description

Research Fellow in Environmental Sciences



Details

Area	Faculty of Science, Engineering, and the Built Environment
Team / School	School of Life and Environmental Sciences/Blue Carbon Lab
Employment	Full-time and fixed-term for two years
Location	Melbourne Burwood Campus
Classification	Level B
Manager Title	ARC DECRA Fellow, Blue Carbon Lab

Deakin

Deakin is a Victorian university with a global impact. We are agile and innovative, and committed to making a positive impact through our excellence in education and research and the contributions we make to the wider community.

Our reputation has been built on the dedication and expertise of our staff. We offer a dynamic, diverse and inclusive working environment with opportunities to grow and develop careers. We believe that a progressive, thriving culture will ensure people choose to come, and stay at Deakin and contribute to our ongoing success.

As one of Australia's largest universities, Deakin has strong global linkages, world-class research and an education portfolio that blends the best of campus and digital delivery into a highly supportive and personalised student experience.

We offer outstanding education founded on the experience we create for our learners and guided by graduate outcomes for successful lives and careers. We undertake globally significant discovery research that benefits our communities through the innovative translation of our ideas into new services, products, policies and capabilities.

Deakin campuses sit on Wadawurrung, Wurundjeri, and Eastern Maar Countries, and the [University acknowledges](#), values and deeply respects its connection with the Traditional Custodians and Elders past and present of these lands and waterways. Deakin is the most popular university destination in Victoria for Aboriginal and Torres Strait Islander students and has a rich history of supporting the ambitions of First Nations students, including through the NIKERI Institute (formerly the Institute of Koorie Education).

At Deakin we value diversity, embrace difference and nurture an inclusive, safe and respectful community. Deakin is an Employer of Choice for Gender Equality, a SAGE Athena SWAN Bronze Award holder, seeking gender equity for Women in STEMM, and a Silver Award holder in the Australian Workplace Equality Index for LGBTQ inclusion. We strongly encourage applications from Aboriginal and Torres Strait Islander people and people of all cultures, abilities, sexualities and genders.

[Strategic Plan – Deakin 2030: Ideas to Impact](#)

[Benefits of working at Deakin](#)

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Overview

Deakin University's Blue Carbon Lab (BCL) is an award-winning, multi-disciplinary research team focused on understanding and responding to the impacts of global change on freshwater, coastal and ocean ecosystems. BCL offers innovative research solutions aiding in mitigating climate change and enhancing our blue economy, while simultaneously supporting aquatic biodiversity, economic growth, capacity building, and community wellbeing.

The Associate Research Fellow will conduct independent research to develop new nature-based solutions for improving the sustainability of agricultural dams and other artificial freshwater systems in Australia. Specifically, the project will include fieldwork on environmental and ecological properties (including greenhouse gas emissions, carbon sequestration, biodiversity, and water chemistry) of Australia's agricultural waterbodies. The position will also involve using remote sensing and GIS variables to model large-scale processes.

Responsibilities

Research and Innovation

- Initiate, designs and conducts and may lead productive, high-quality research, scholarship and creative activities generating high impact outputs
- Engage collaboratively to develop novel and high-quality research or creative activities
- Widely communicates outputs to discipline(s) and the community
- Ensure impact of academic activity in the field and the community
- Support seeking funding for research and creative activities
- Build national reputation, based on growing, focused body of work recognised for quality, excellence and impact
- Initiate, design, conducts and may lead intra- and inter-disciplinary research collaborations, to enable major breakthroughs in knowledge and understanding and solutions to complex problems
- Initiate, design, conduct and may lead in development of industry partnerships and collaboration to enable major breakthroughs, innovative solutions for future translation into real world impact
- Support and may lead in applications for external competitive and other funding, and demonstrates sustained efforts
- Build track record of timely delivery of outcomes for industry partners
- Initiate, design, conduct and may lead innovation and translation into policies, frameworks, strategy, priority setting and other outcomes to create positive impact
- Initiate, design, conduct and may lead innovation and translation into products, services, new ways of operating and other avenues to create positive impact
- Support attraction of external funding for commercialization and translation activities
- Build portfolio of policy and strategy influence, generation of products, services or other innovations with positive real-world impact
- Demonstrate timely delivery of commercialisation and translation outcomes
- Supervise honours and/or HDR students with timely completions and productive, high quality outcomes
- Provide effective mentoring to HDR students to support professional and career development and employability
- Adopt and promote a culture of research excellence, innovation and impact
- Establish/expand industry network to create opportunities for placements

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- Support industry partnerships that provide HDRs with industry experience

University Citizenship and Engagement

- Assist the implementation of local citizenship activities and contribute to effectiveness as influencer
- Contribute to the implementation of specific aspects of University's strategic agenda
- Assist the implementation of community engagement activities
- Contribute to the implementation of University's community engagement agenda

Relationships

- Internal relationships: Blue Carbon Lab staff/students, administration in the School of Life and Environmental Sciences, and University Research Office.
- External relationships: Various stakeholders, partners, collaborators, and funders – including industries, government, and private citizens (such as farmers).

Selection

Qualifications and experience

- PhD in a relevant discipline and/or other relevant qualifications and experience
- emerging reputation in research and scholarship through publications and/or exhibitions
- success in obtaining external research funding
- ability to make a contribution to communities through research
- capacity to contribute to leadership of research and administration
- excellent interpersonal skills and a proven ability to establish good working relationships with colleagues

Capabilities

1. **Digital Literacy:** Interprets and distils information; produces clear communications through a variety of digital platforms
2. **Collaboration:** Proactively supports working together, shares ideas and provides constructive feedback; respects and values others
3. **Emotional Intelligence:** Recognises emotions in self and others; uses emotional cues to guide thinking and behaviour
4. **Building Networks and Partnerships:** Identifies and invests in relationships essential for growth and positive outcomes
5. **Communicating with Influence:** Engages and energises others through clear and persuasive communication
6. **Personal Resilience:** Maintains composure and focus under pressure, adapts to changing situations and recovers from setbacks

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Special Requirements

- Infrequent travel will be required e.g., interstate travel may be required and/or regular travel within Victoria, including between campuses)
- Drivers Licence
- Working with Children Check

Note The intention of the position description is to provide an outline of scope and responsibilities, at a point in time. Please note, responsibilities may evolve in accordance with organisational needs.