

Position Title	Research Associate or Research Fellow (Global Change Ecology)
Classification	Level A or Level B
School/Division	School of Biological Sciences
Centre/Section	NA
Supervisor Title	Professor
Supervisor Position Number	TBA
Position Number	NEW

Your work area

The University of Western Australia (UWA) is ranked amongst the top 100 universities in the world and is a member of the prestigious Australian Group of Eight research-intensive universities. [The School of Biological Sciences](#) is internationally recognised for its strong teaching programmes in the natural sciences and biology and has an enviable research track record. The School has broad expertise across animal and plant physiology and genomics, computational biology, conservation biology, ecology, evolutionary biology, and marine biology. The School also houses UWA's programs in Science Communication.

Our research programs involve a diverse array of taxa, from microbes through animals and plants. The School is located on a vibrant campus and has ready access to incredibly biodiverse natural environments, including natural and managed terrestrial systems, the Indian Ocean and the extensive Western Australian coastline. Our undergraduate and postgraduate courses consistently rate very highly in student evaluations, which in part reflects our strong emphasis on practical and field-based teaching. The School of Biological Sciences is a large and multidisciplinary team of more than 80 high-calibre academic and professional staff delivering world-class education and research programs to approximately 600 undergraduate and postgraduate students. The School is also responsible for the supervision of ~120 PhD students, reflecting research strengths and expertise in the disciplines of Animal Biology, Computational Biology, Conservation Biology, Ecology, Evolutionary Biology, Marine Biology, Neuroscience, Plant Biology and Science Communication.

CSIRO Health & Biosecurity

The Commonwealth Scientific and Industrial Research Organisation ([CSIRO](#)) is Australia's national science agency, a powerhouse of ideas, technologies and skills for building prosperity, growth, health and sustainability. It serves governments, industries, business and communities across the nation. Health & Biosecurity assembles strong multi-disciplinary research teams, spanning the areas of animal, plant and environmental sciences, focused on tackling these major national and international biosecurity challenges critical for Australia's ongoing agricultural sustainability, environmental and human health. Visit [CSIRO Online](#) and [CSIRO Health and Biosecurity](#) to find out more!

The [Ecosystem Change Ecology](#) team is based in Perth, Western Australia and represents a long-standing collaborative partnership between UWA and CSIRO. This multidisciplinary team generates knowledge on the mechanistic links and synergistic interactions between landscape change, species invasions and native species resilience in terrestrial ecosystems. Working in both natural and agricultural systems, the team undertakes research and develops theory to underpin more effective policy and management actions for conservation, invasion and production challenges in the face of rapid global change.

Reporting structure

Reports to: Professor

Your role

The position will work with support and guidance from senior academic colleagues, you will be expected to undertake research as part of an externally funded project titled: *Delivering broad conservation benefits by controlling a threatening transformer weed*.

Your role will be a joint initiative between the University of Western Australia (UWA) and The Commonwealth Scientific and Industrial Research Organisation (CSIRO) and part of a broader long-term collaboration between the two organisations. Reporting to Professor Raphael Didham and Adj A/Professor Bruce Webber, your role will span facilities and locations at UWA (Crawley) and CSIRO (Floreat), sitting with the Ecosystem Change Ecology team.

You will collaborate actively with other researchers on the project. You will be required to travel in north-western Australia, as well as other locations in Australia and possibly overseas, for project-related fieldwork. You will also contribute to the operations of laboratory and glasshouse facilities as part of this position. An important component of the role will be to compile and analyse large volumes of data, including plot-level vegetation samples, environmental measurements from dataloggers, time series image analysis, and remotely-sensed observations.

Your role will allow you to have an active involvement in the co-supervision and training of postgraduate and Honours students, as well as engage in undergraduate teaching activities, while delivering the outcomes of this project.

Your key responsibilities

Level A

Contributes to research outcomes within discipline or area of expertise

- Join a research team to undertake research locally and nationally
- Undertake collaborative research to generate research outputs of high impact

Service and Engagement

- Contribute to the governance and collegial life within the School, across the University and CSIRO, and more broadly outside these institutions
- Work within the legislative requirements of the University and CSIRO and support both organisation's commitment to inclusion and diversity.
- Contribute to team activities such as team and School meetings
- Undertake administrative duties as required in relation to any teaching and research supervision.
- Perform other duties as directed by the Head of School and the Discipline Chair.

Level B

Your specific work capabilities (selection criteria)

Level A

PhD in ecology or a related discipline

Highly developed quantitative skills with experience in ecological analyses

Demonstrated theoretical, conceptual and practical knowledge in applied ecology relevant to invasive species management

Ability to work effectively, both independently and as part of a multidisciplinary team

A track record of publication in high quality, peer reviewed journals

Excellent written and verbal communication skills

Sound interpersonal skills, including the ability to engage with a broad range of stakeholder backgrounds

Level B

PhD in ecology or a related discipline

Highly developed quantitative skills with experience in ecological analyses

Demonstrated Track record in theoretical, conceptual and practical knowledge in applied ecology relevant to invasive species management

Demonstrated ability to work effectively, both independently and as part of a multidisciplinary team

A track record of excellence of publication in high quality, peer reviewed journals

Excellent written and verbal communication skills

Sound interpersonal skills, including the ability to engage with a broad range of stakeholder backgrounds

Desirable:

Demonstrated research experience in one or more of the following fields: remote sensing, spatial modelling, biogeography

Demonstrated ability to relate well and positively contribute to the supervision of students and technical staff

A track record of developing productive and lasting relationships with land managers

Special requirements (selection criteria)

Current "C" class driver's licence

Current 4WD vehicle qualification

Compliance

Ensure you are aware of and comply with legislation and University policy relevant to the duties undertaken, including:

To learn more about the Code of Conduct, see [Code of Conduct](#).

To learn more about Diversity, Equity and Inclusion, see [Diversity, Equity and Inclusion](#).

To learn more about Safety, Health and Wellbeing, see [Safety, Health and Wellbeing](#).