

School of Plant Biology

plants.uwa.edu.au



Faculty of Science

UWA is ranked 1st in Australia and 25th in the world for Life and Agricultural Sciences.

Plant Biology is a research-intensive School with ISI highly-cited researchers, a Laureate Fellow, four ARC Future Fellows, over 110 PhD researchers and a commitment to excellence in teaching. Our researchers are internationally renowned for their expertise and research impacts in **Terrestrial Natural Systems** (e.g. Ecology, Restoration Ecology, and Plant Ecophysiology), **Marine Systems** (e.g. Ecology) and **Plant Production Systems** (e.g. Crop and Weed Science and Plant Genetics and Breeding). The School hosts a node of the **ARC Centre of Excellence for Environmental Decisions**, as well as leading programs within the **UWA Oceans Institute** and the **UWA Institute of Agriculture**.

The School engages internationally through joint research projects and by hosting international conferences and high profile plant scientists from leading universities around the world. The School contains high-quality and well-equipped laboratories such as the **WA Biogeochemistry Centre**, and leads national collaborations such as the **Australian Herbicide Resistance Initiative**.

Our **PhD program** offers a supportive environment for achieving excellence. Our students participate regularly in seminars and their professional development is enhanced by our annual postgraduate summer conference at Rottneest Island and other activities. Research students are provided with a laptop computer,

In the 2015 ERA rankings UWA is rated '5' – well above world standard in Plant Biology; Ecology; Genetics; Ecological Applications; Agriculture, Land and Farm Management and Environmental Science and Management; and '4' – above world standard in Crop and Pasture Production and Fisheries Sciences.

an operating grant, and supported to attend national and international conferences to enable networking with industry colleagues and researchers from a wide range of disciplines, organisations and countries.

Our **Master of Science (Botany) by research and coursework** provides in-depth knowledge in plant diversity, ecology and ecophysiology and its application to a variety of important management issues. Our School, jointly with other Schools at UWA, teach the **Master of Biological Science (Conservation Biology)** and the **Master of Biological Science (Marine Biology)**, focused on understanding threats and processes impacting on conservation and the use of WA's impressive biodiversity, as well as the restoration of ecosystems.

The **Master of Agricultural Science**, specialising in **Agricultural Systems**, prepares students for a career either as an agricultural scientist or commercial

agronomist. The specialisation in **Genetics and Breeding** prepares graduates for careers in research and as leading crop breeders. Both of these Masters involve teaching collaborations with other Schools, particularly with the School of Animal Biology. We also contribute to the **Master for Biotechnology**.

Students in the **Bachelor of Science (Botany)** gain an in-depth understanding of plant form and function, plant diversity, ecology, and biogeochemistry. Plant Biology also teaches about the fascinating roles and importance of plants in several other BSc majors: **Agricultural Science**, **Conservation Biology**, **Genetics**, and **Marine Science**. All of our students gain hands-on practical experience through fieldwork, glasshouse and laboratory experiments.

Our graduates become the influential scientists and consultants in conservation, environmental, agricultural, and marine industries. They are in demand from a wide variety of organisations within government, public and private sectors, universities and other research organisations, both within Australia and overseas.

Our videos highlight some of the exciting research in the School: plants.uwa.edu.au/research/videos

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