# Research Projects – CSOF3

Role summary for potential applicants

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| Advertised Job Title**:** | Research Projects Officer |
| Reference Number**:** | 57367 |
| Classification**:** | CSOF3 |
| Salary Range: | AU 61K to AU 78K plus up to 15.4% superannuation |
| Location**:** | Waite Campus, Adelaide, SA |
| Tenure: | Indefinite OR  Specified Term of 2 years and 4 months |
| Relocation assistance**:** | Will be provided to the successful candidate if required. |
| Applications are open to: | Australian Citizens Only  Australian/New Zealand Citizens and Australian Permanent Residents  *We will accept applications from Temporary Residents with working rights for the length of the term, who do not require sponsorship* |
| Functional Area**:** | Research Projects |
| % Client Focus - Internal: | 0% |
| % Client Focus - External: | 100% |
| Reports to the: | Research Team Leader |
| Number of Direct Reports: | 0 |

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| **Role Overview:** |
| The role of Research Projects staff in CSIRO is to collaborate in scientific activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental and observational work, and in carrying out the more practical aspects of the work.  The successful candidate will join a research team, based on the Waite Campus of the University of Adelaide, that has a strong focus on plant function in perennial horticultural crops. We require an experienced technical officer with a background in plant physiology measurements and a willingness to undertake fieldwork throughout the year. Experience in soil analysis may also be useful. The successful applicant will join a research team that has a strong focus on plant function in perennial horticultural crops. The person will work with another experienced technical officer, under the direction of the project leader, implementing field and glasshouse based experimental work on the water and nutrient use efficiency of almonds. The work will be conducted at the University of Adelaide's Waite Campus, in the South Australian Riverland region and in the Murray Valley region. |

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| **Duties and Key Result Areas:** |
| * Assist with the operation of systems and analysis of resulting data to determine root production and water use of mature trees at the Riverland field site. * Undertake glasshouse and potted tree experiments to improve our understanding of root function in Prunus root systems. * Assist with soil, root and other sampling at Riverland and Murray Valley field sites. * Process samples and undertake lab analysis as directed. * Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation. * Work as part of a multi-disciplinary, often regionally dispersed research team, to carry out tasks under limited direction in support of scientific research. * Work collaboratively with colleagues within your team, the business unit and across CSIRO, to reach objectives. * Provide instruction on activities pertaining to the immediate work area and responsibilities, as required. * Adapt and/or develop original experimental methods/equipment/software/concepts/ ideas in support of existing and further research. * Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals. * Other duties as directed. |

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| **Selection Criteria:** |
| *Under CSIRO policy only those who meet all essential criteria can be appointed*  ***Pre-Requisites:***   1. **Education/Qualifications:** Relevant Bachelors/Masters Degree or equivalent experience in plant science, agriculture or related biological science. 2. **A current driver’s license** and ability to conduct regular field work which will include overnight stays away from home. 3. **Communication:** Ability to communicate in a fluent and courteous manner, both orally and in writing, offering factual information supported by proven data, and providing appropriate feedback when required. 4. **Behaviours:** A history of professional and respectful behaviours and attitudes in a collaborative environment. 5. **Adaptability:** The ability to effectively manage a number of competing priorities simultaneously, and carry out non-routine tasks under general direction. 6. **Problem Solving:** Proven ability to investigate routine problems by identifying and considering the implications of a range of available alternative solutions**.**   ***Essential Criteria:***   1. Demonstrated experience in undertaking horticultural or agricultural fieldwork in a research context. 2. Demonstrated experience in laboratory based analytical procedures, such as colorimetric analyses, the use of spectrophotometers, running elemental analysers, and management of the data etc. 3. Demonstrated experience in the implementation and running of experiments utilising whole plants (e.g. potted glasshouse studies, field plantings). 4. The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks under general direction from Scientific Researchers. 5. The ability & willingness to contribute novel ideas and approaches in support of scientific investigations.   **Desirable Criteria:**   1. Experience with the implementation and running of experiments utilising stable isotopes in whole plant biology. 2. Experience with image analysis and/or the use of minirhizotrons. 3. Experience in the use of plant physiological equipment such as porometer, plant gas exchange, measurement of water potential etc.   **As Australia’s Innovation Catalyst, CSIRO has strategic actions underpinned by behaviours aligned to**:   1. Excellent science 2. Inclusion, trust & respect 3. Health, safety & environment 4. Delivery on commitments.   **In your application and at interview you will need to demonstrate alignment with these behaviours.**  ***Special requirements:***  Appointment to this role may be subject to conditions including security/medical/character clearance requirements. |

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| **Other Information:** |
| **How to Apply**  Please apply for this position online at <https://jobs.csiro.au/> and enter requisition number **57367**. Internal applicants please apply via ‘Jobs Central’ in SAP (click ‘Recruitment’)  Please load one document containing your CV and a brief cover letter addressing the selection criteria and your motivations for applying (Maximum 2MB). You will also be required to respond to some screening questions.  If you experience difficulties applying online call 1300 984 220 for assistance. Outside Australian business hours please email: [csiro-careers@csiro.au](mailto:csiro-careers@csiro.au).  **Referees**: Please provide contact details of two previous supervisor or academic/professional referees in your resume/CV. We will ask your permission before making contact.  **Contact:** If after reading the position details above you require more information please contact:  **Dr Everard Edwards**via email: everard.edwards@csiro.au  Please do not email your application directly to Dr Edwards. Applications received via this method may not be considered by the selection panel.  **About CSIRO**  Australia is founding its future on science and innovation. Its national science agency, the Commonwealth Scientific and Industrial Research Organisation (CSIRO) is a powerhouse of ideas, technologies and skills for building prosperity, growth, health and sustainability. It serves governments, industries, business and communities across the nation.  Find out more! [www.csiro.au](http://www.csiro.au).  We work flexibly at CSIRO, offering a range of options for how, when and where you work. Talk to us about how this role could be flexible for you.  Find out more! [CSIRO Balance](https://www.csiro.au/en/Careers/A-great-place-to-work/Work-life-balance)  **CSIRO Agriculture & Food** carries out research and development for new agricultural technologies, value added foods, crop and livestock improvement, aquaculture, farming systems, sustainability and advancement of international agriculture. |