

## Lecturer/Research Fellow in Food Science

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<b>College/Division</b>	College of Sciences and Engineering
<b>School/Section</b>	Tasmanian Institute of Agriculture
<b>Location</b>	Launceston
<b>Classification</b>	Level B
<b>Reporting line</b>	Reports to Professor of Food Science and Technology

### Position Summary

The University of Tasmania is building a vision of a place-based University with a mission to enhance the intellectual, economic, social and culture future of Tasmania, and from Tasmania, contribute to the world in areas of distinctive advantage. The University recognises that achieving this vision is dependent on the people we employ as well as creating a people-centred University that is values-based, relational, diverse, and development-focused.

We are seeking to appoint a Post-Doctoral Research Fellow in Food Science in the [Tasmanian Institute of Agriculture](#) which is part of [The College of Sciences and Engineering](#) .

This position will be based at Launceston in the North to assist development of research and teaching to help deliver the food and agriculture outcome development targets under the UTAS strategic Plan and the Northern Transformation Project (NTP). The Food Scientist position will provide the additional research and postgraduate training capacity to serve the growing industry funded fresh produce shelf life and quality research and also the added value meals food quality and safety research in association with Defence and CSIRO. Periodic research work within the Defence Science and Technology Group Food and Nutrition Laboratories, Scottsdale Tasmania will be needed. The focus of the research will be instrumental measurement of the food components that affect human perceptions of food quality such as taste, aroma, colour and texture. This position will contribute to the digitalisation of data for Industry 4.0 applications using artificial intelligence approaches. The focus will be to match instrumental data to human perceptions of food quality in order to optimise production, processing and storage variables and produce premium foods of high sensory impact. The incumbent will also contribute to developing the graduate teaching program in food innovation through promotion of continuous industry learning opportunities via associate degrees, short courses and career opportunities for school students.

**We are an inclusive workplace committed to ‘working from the strength that diversity brings’ reflected in our Statement of Values. We are dedicated to attracting, retaining and developing our people and are committed to inclusive principles. We celebrate the range of diverse assets that gender identity, ethnicity, sexual orientation, disability, age and life course bring. Applications are encouraged from all sectors of the community. Tell us how we can make this job work for you.**

### What You'll Do

- Make an effective and sustained contribution to the University in achieving its strategic objectives and fulfilling its operational responsibilities.
- Research
  - Post graduate research supervision in food quality measurement and new product development related areas.
  - Contributions to post harvest science that sustains and enhances fresh produce exports.
- Teaching and learning



- Contribution or development and delivery of food, agriculture and nutrition courses to meet identified demands and opportunities.
- Community
  - Visible role in northern development and promotion of UTAS.
- Service
  - Contributions to the development of capabilities that will increase the proportion of Tasmanian secondary students enrolling in food/STEM at UTAS and the improvement of continuous learning by food industry employees.
  - Help strengthen UTAS connections to leverage international food science research and teaching programs.
  - Contributions to the industry networking and debates that will influence the agriculture and food sectors applications of science-based knowledge for industry development.
- Undertake other duties as assigned by the supervisor.

### What We're Looking For (success criteria)

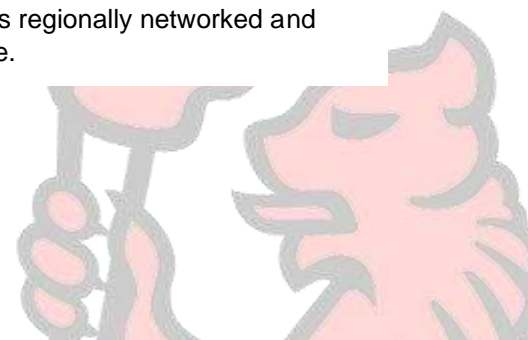
- Australian citizenship and ability to qualify for Negative Vet 1 (Secret) Defence contractor security clearance.
- A PhD in a relevant food science field.
- Demonstrated expertise in food quality measurements using advanced instrumentation such as GC-MS and complex data analysis.
- Competency for developing artificial intelligence approaches to match instrumental data to human perceptions of food quality
- Capability to run food sensory and new product development science.
- A strong record in, and continuing commitment to, research that has industrial and science impact, demonstrated by a record of quality publications, presentations at conferences and preferably success in securing external competitive and other funding.
- High level communication and interpersonal skills including experience and proven ability to communicate effectively with a range of stakeholders, research specialists and organisations.
- A commitment to University-level learning and teaching that includes teaching practice, contemporary curriculum design and scholarship of learning and teaching.
- A strong record of contributing to building and maintaining effective and productive links locally and nationally with the discipline, profession, industry and wider community.
- Demonstrated experience in supervision of research higher degree students.

### Other position requirements

- Regular intrastate/ interstate/ international travel
- Regular travel may be between campus and also DST Scottsdale, Tasmania laboratories is required to deliver research, teaching and learning outcomes
- Car drivers licence
- Laboratory and workshop activities and handling hazardous substances

### University of Tasmania

The University of Tasmania is an institution with an enduring commitment to our state and community, and a strong global outlook. We are committed to enhancing the intellectual, economic, social and cultural future of Tasmania. Our [Strategic Direction](#) strongly reflects the University community's voice that our University must be place based but globally connected as well as regionally networked and designed to deliver quality access to higher education for the whole State.



We believe that from our unique position here in Tasmania we can impact the world through the contributions of our staff, students and graduates. We recognise that achieving this vision is dependent on the people we employ, as well as creating a university that is values-based, relational, diverse, and development-focused.

Check out more here:

<https://www.utas.edu.au/jobs>

<https://www.utas.edu.au/careers/our-people-values-and-behaviours>

*The intention of this position description is to highlight the most important aspects, rather than to limit the scope or accountabilities of this role. Duties above may be altered in accordance with the changing requirements of the position.*

