







IRTA is a research institute owned by the Government of Catalonia ascribed to the Ministry of Climate Action, Food and Rural Agenda. IRTA is one of the CERCA centers of excellence of the Catalan Research System. Our purpose is to contribute to the modernization, competitiveness and sustainable development of agriculture, food and aquaculture sectors, the supply of healthy and quality foods for consumers and, generally, improving the welfare and prosperity of the society. We are granted by the EU with the [HRS4R](#) distinction for "HR Excellence in Research" and thus we offer a rich environment for knowledge development and exchange where to develop a scientific career, and possibilities for professional promotion according to the attained achievements. Check our initiatives [here](#).

Researcher in Irrigation with Reclaimed Water and Alternative Water Sources for the Efficient Use of Water in Agriculture Program

[ref. 127/24]

IRTA is currently seeking an enthusiastic and motivated Researcher with a PhD related with the use of reclaimed water and other alternative water sources for irrigation, to join the IRTA's research program on [Efficient Use of Water in Agriculture](#). The selected candidate will lead and execute research projects and contracts dealing with the development of strategies combining irrigation, soil management and other agricultural practices addressed to optimize the use of water and fertilizers from non-conventional water sources, alleviating scenarios of water scarcity and drought, ensuring the economic and environmental sustainability of farms while minimizing risks on the food chain.

-  Head of the Program: Dr Jaume Casadesús
Program's key researchers: Dr Joan Girona, Dr Josep Rufat, Dr Joaquim Bellvert & Dr Víctor Blanco
-  Job location: [IRTA Cabrils](#)
-  Full-time position: 37.5 h/week
-  Terms of appointment: permanent full-time permanent position or full-time tenure track position subject to the qualifications and experience of the selected candidate.
-  Salary: To be resolved according to the qualifications and experience of the selected candidate
-  Employee Benefits: 22 vacation days, 3 days of family & work conciliation, 45h of personal days, Friday afternoon off, Compressed Summer schedule from 15/06 to 15/09, Conciliation schedule.

Tasks and Responsibilities:

- Lead a research line on the use of non-conventional water sources for irrigation, with special focus on the development of strategies and guidelines for a safe and sustainable use of reclaimed water for agriculture.
- Active participation in the preparation of proposals for national and international public calls.
- Participate in the transfer of knowledge and technologies to the private sector.
- Participate in dissemination activities related with the research line.
- Creation of synergies with other research lines at IRTA.

Required qualifications and experience:

- PhD related to Agronomy or similar.
- At least 2 years of postdoctoral research.
- Demonstrated scientific production in the use of non-conventional water sources for irrigation.
- Experience on applied research regarding the use of reclaimed water for irrigation.
- Knowledge of the regulatory framework for water reuse in irrigation.
- Capacities for communication, teamwork, project management and transfer of R+D outputs to the agricultural and water management sectors.
- Experience in writing project proposals.
- Dissemination skills: solid presentation/communication skills, scientific (peer-reviewed journals) and technical writing skills.
- Full driving license for Europe and travelling availability.

Desirable requirements:

- Research experience in the management of irrigation and fertigation from reclaimed water.
- Experience analysing the occurrence, distribution and fate of contaminants of emerging concern and of persistent organic pollutants.
- Experience in dissemination and transfer of knowledge to farmers and technicians.
- Skills in data management and analysis.
- Demonstrating an attractive publication record and participation in funded projects.
- Network of collaborators at a national and/or international level.
- Proven experience in technical and scientific initiatives, at an international level, and eventually national level.
- A proactive profile, solutions-focused approach to work, with ability to adapt to changing requirement.
- Strong organizational capability and ability to learn and successfully work within multidisciplinary teams.
- Teamwork skills and ability to establish and build relationships that will allow pursuing the objectives of the R&D activities.
- Receptive to challenges, ability to align the professional objectives and institutional priorities and strategy.

Languages:

- Proficiency in English
- Catalan and Spanish are valued

Application process

If you wish to be considered for this position, please, apply via our [Recruitment Platform](#) to the job post with reference 127/24 and upload your CV and motivation letter. All information will be treated in the strictest confidence.

**Deadline for application:
25/08/2024**

Timings in the Recruitment Process of ref. 127/24 Researcher in Irrigation with Reclaimed Water and Alternative Water Sources for the Efficient Use of Water in Agriculture Program

33 natural days	Publication and diffusion of the job advertisement on IRTA's website, EURAXESS Jobs, social media and other specific recruitment places.
5 following working days	Distribution of the pre-selected CVs which matching eligibility criteria to the Recruitment Committee. Communication via e-mail with the not pre-selected candidates who will not be further included in the process.
20 following working days	Recruitment Committee: - Communication via e-mail with the not-selected candidates by the Recruitment Committee. - Interview with selected candidates by the Recruitment Committee. - Accord of the Recruitment Committee stating the selected candidate and detailed reasoning for the decline of the rest of the candidates. - Communication via e-mail with the interviewed and not-selected candidates
10 following working days	Provision by the selected candidate of requested legal and official documentation to the HR department to coordinate the start of the candidate.
Second half of 2024	Start of employment

IRTA guarantees an open, transparent, and merit-based recruitment process (OTM-R) to all registered candidacies avoiding thus any bias on gender, origin, age, ideology, or other circumstances that could be discriminatory. Candidates in a situation of social exclusion will be considered in the first place.

Please know that if you are the chosen candidate and you are from a country which does not belong to the UE, IRTA's Human Resources Department will support you to get the residence and working permits.