







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](#).

Postdoctoral Researcher in remote sensing for the Sustainable Field Crops Program

[ref. 149/22]

IRTA is currently seeking an enthusiastic and motivated Postdoctoral Researcher with a PhD related to remote sensing to mitigate and adapt sustainable field crop production to climate change to join the [Sustainable Field Crops Program](#). We invite applications from ambitious candidates with relevant research experience and passion to conduct research and innovation activities on the mechanisms of crop resilience to various stresses (abiotic and biotic) and their application into sustainable crop production.

-  Head of the Program: Dra. Marta da Silva
Program's key researcher/s for this position: Dra. Marta da Silva
-  Job location: Lleida
-  Full-time position (37.5 h/week)
-  Terms of appointment: temporal position for 3 years with the possibility of extension up to 5 years
-  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, Work/Family conciliation schedule

Tasks and Responsibilities

- Contribution to the activities of the research Program, performing scientific and technical tasks, taking part in the planning and execution of the experiments to ensure the achievement of milestones of research projects.
- Conduction of literature review, data collection and its management, involving statistical analysis.
- Contribution to the scientific production of the research and innovation activities of the Program.
- Leadership and actively contribution to fund raising through the preparation and submission of project proposals for public competitive calls and for contracts with the private sector, as well reporting process, such as writing progress and final reports of research activities.
- Identification of opportunities for cutting-edge research and innovation to address the strategic priorities of the Sustainable Field Crops Program within the plant production Area.
- Contribution to the teamwork and team-spirit in the Sustainable Field Crops Program within the Plant Production Area, fostering collaboration and integration activities.

Required qualifications and experience

- Ph.D. in Plant Sciences, Agronomy or related fields applied to crop science and technology.
- In case the PhD was obtained at IRTA, minimum two years outside IRTA's enrolment.
- Post-doctoral experience in the research topic, preferably with an international scope and applied approach regarding remote sensing applications in agriculture.
- Proved research skills: experience on project proposal writing, literature review, experimental design and implementation, data analysis and scientific article writing.
- Dissemination skills: presentation/communication skills, and technical writing.
- Capacity to successfully develop collaborative research links with national and international research organizations, and the ability to interact closely with private companies.

Desirable requirements

- Expertise in methodological approaches exploring satellite imagery.
- Experience on impact assessment of various strategies to adapt and mitigate to climate change from a sustainable crop productivity perspective.

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 149/22 and upload your CV and motivation letter. All information will be treated in the strictest confidence.

Deadline for application:
04/12/2022

Timings in the Recruitment Process of ref. 149/22 Postdoctoral Researcher in remote sensing for the Sustainable Field Crops Program

30 natural days	Publication and diffusion of the job advertisement on IRTA's website, EURAXESS Jobs, social media and other specific recruitment sites.
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: <ul style="list-style-type: none">- 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 enrolment of the candidate.
First trimester of 2023	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.