

	<b>RESEARCHER PHOTOELECTROCHEMICAL SYSTEMS</b>	<a href="http://www.leitat.org">www.leitat.org</a>
		¿TE UNES?
		<a href="mailto:seleccion@leitat.org">seleccion@leitat.org</a>

Are you interested in being part of a technological center of excellence where you can contribute and add technological value to companies and institutions, focusing on research, development and industrial innovation (R+D+2i)? Do you want to work in a leading environment with all the technological innovations available

Leitat is a technological center of reference at national and European level. With more than 100 years of history, it has a team of more than 400 professionals, experts in applied research, technical services and management of technological and innovation initiatives. Leitat provides social, industrial, economic and sustainable value, offering integral solutions in multiple sectors and fields: health and biomedicine, development of new materials, eco-sustainable production, occupational health prevention systems, waste revalorization and use of natural resources; interconnectivity and digitalization of industry, green energy and maximization of energy efficiency. Leitat develops R+D+i projects for companies and institutions, and leads research projects with competitive funding both within the framework of the European Union and the Ministry of Science and Innovation.

We are looking for a motivated candidate to incorporate as **RESEARCHER PHOTOELECTROCHEMICAL SYSTEMS:**

**Position Overview:**

We are looking for a motivated candidate to incorporate as **RESEARCHER in the group of “Solar Conversion Technologies”**, which is mainly dedicated to the design and development of PhotoElectroChemical (PEC) Reactors for sustainable green fuels and chemicals. Research activities are focused on the:

- Development and characterization of engineered photoelectrodes and optimization of their performance
- Design new architectures and prototypes of PEC reactors
- Implement advanced measurements and validation protocols for the assessment of their performance both at component level and integrated device
- Most of these activities are carried out in cooperation with prestigious research centers (both at national and international level) and various industrial partners.

The selected candidate will have access to a technological platform endowed with a wide spectrum of design, fabrication and characterization facilities and intensively collaborate with technicians and engineers of the “Advanced Engineering” area.

**Key responsibilities:**

Fabrication of engineered nanostructured films based on scalable techniques including slot die, screen printing, spraying or inkjet printing.

Optical and (photo)electrochemical characterization of the engineered photoelectrodes in 3-electrode cell.

(Photo)electrochemical characterization of integrated systems and analysis of their energy conversion performances

Drafting of scientific papers, technical reports, participation to international scientific conferences, dissemination activities, etc.

**Qualification:**

Master in Chemistry / Electrochemistry / Physics / Materials Chemistry / Renewable Energies / Chemical Engineering / Materials Engineering

Experience in design, fabrication and characterization of nanostructured materials and photo-electrochemical devices

Knowledge of fundamental electrochemical techniques (cyclic voltammetry, electrochemical deposition, impedance spectroscopy, etc)

**Languages:**

Fluent level of Spanish and English, oral and written.

**What is it like to work at LEITAT?**

You will be located at the headquarters in Terrassa and will work in an attractive environment, being part of a unique innovation ecosystem with cutting-edge technologies and highly equipped laboratories. We offer flexible working hours so that you can reconcile your personal life and your professional development. In addition, you will enjoy subsidized catering in our centers, medical insurance and you will have a permanent contract with a salary commensurate with your experience, training and development. We are proud to offer these types of benefits that support the goals and well-being of our team members.

We also support equal opportunities and diversity - we strive every day to be a more inclusive workplace adapted to all groups!

If you are a person with excellent interpersonal and communication skills, with a high capacity to achieve your goals within the established deadlines and able to work independently and as part of a team, do not hesitate, sign up for our offer.

**We would love to hear from you!**

**At LEITAT we look forward to meeting you!**



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