

	RESEARCHER – SOLAR MATERIALS & SMART DEVICES	www.leitat.org
		¿TE UNES?
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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 within your reach?

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 revaluation 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, as well as 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 a RESEARCHER for SUNTEC area, which is mainly dedicated to design, development and implementation of sustainable and scalable solar conversion technologies. The applicant will be incorporated in the research line focused on advanced glazing technologies and will be involved in several national and European R&D projects focused on integration testing and validation of smart dynamic windows. This research line aims at:

1. Developing innovative smart glazing technologies based on advanced chromogenic nanomaterials (electrochromic, thermochromic, photochromic) capable of maximizing both energy efficiency and visual/thermal comfort
2. Developing optimized smart control systems and energy optimization models for dynamic glazing systems embodying IoT and AI platforms
3. Designing, modelling & validation of energy efficient glazing elements both at component and at built environment levels

Most of these activities are carried out in cooperation with prestigious research centers (both at national and international level) and various industrial partners.

We are currently looking for a **Researcher-Solar Materials & Smart Devices** your main functions will be:

- Fabrication of engineered nanostructured films by screen printing, inkjet printing or spray coating.
- Formulation and lamination of advanced ion conductive polymeric films.
- Test and validation protocols of prototypes and demonstrators at both component and integrated system levels.
- Drafting of scientific papers, technical reports, participation at international scientific conferences, and dissemination activities.

What do we expect from you?

Master's degree in Materials Chemistry, Renewable Energies, Chemical Engineering, Materials Engineering, or Electrical Engineering. Valued: PhD in Energy-Related Technologies.

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

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

You will succeed in this position if you bring:

- Ability to work in multidisciplinary teams.
- Efficient use of time and resources.
- Flexibility and a positive attitude.

Languages: Fluent English. Good Spanish.

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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LEITAT IS COMMITTED TO
FOSTERING A COMFORTABLE,
INNOVATIVE, CREATIVE, AND
MOTIVATING WORKPLACE.

**READY TO BE PART
OF OUR TEAM?**