

The Forest Science and Technology Centre of Catalonia (CTFC) is a research center affiliated with the Generalitat de Catalunya (the Catalan government), and it reports to the Ministry responsible for forest issues. The CTFC is a CERCA center and a government accredited TECNIO agent (developer of public technology).

POSTDOCTORAL RESEARCHER SPECIALISED IN GREEN CHEMISTRY AND BIOADHESIVES

Reference: 26-05-00025

The **Centre for Forest Science and Technology of Catalonia (CTFC)** is seeking to recruit a **postdoctoral researcher in chemistry or materials science** to carry out research activities within the **Forest Chemistry, Bioproducts and Biorefineries Group**, integrated into the **Bioeconomy, Health and Governance Programme**.

The Forest Science and Technology Centre of Catalonia (CTFC), located in Solsona (Pre-Pyrenees, 120 km from Barcelona), Spain, employs app. 200 staff, produces more than 120 scientific articles annually, and has a turnover of around 12 Mil. €/year. The CTFC's research activity is organized into four programs: Multifunctional Forest Management, Landscape Dynamics and Planning, Biodiversity Management and Conservation, and Bioeconomy, Health, and Governance. Further institutional information is available at: www.ctfc.cat/en.

TERMS OF THE APPOINTMENT

1. Expected starting date: **September 2026**.
2. Contract type: **2 years with possibility of extension for scientific and technical research activities**.
3. Working time: **Full-time**, 37.5 hours per week, with a schedule to be agreed.
4. Workplace: **Solsona** (Solsonès, Catalonia, Spain).
5. Professional category: **Postdoctoral researcher**.
6. Salary: **According to qualifications and experience**.
7. Probation period: **6 months**.

KEY RESPONSABILITIES

1. **Development of renewable bioadhesive formulations**, including adhesives based on lignin, tannins, carbohydrates or forest-derived extracts.
2. **Physicochemical, rheological, mechanical and thermo-mechanical characterisation** of the developed bioadhesives.
3. **Design and execution of protocols** for transformation, fractionation and functionalisation of forest biomass components.
4. **Assessment of performance and potential commercial applications** (wood products, panels, composite materials, packaging or other sectors).
5. Support to research activities on **thermochemical processes** (pyrolysis and gasification) within the **Green Chemistry Laboratory of the Forest Hub**, with a focus on valorisation of the resulting streams.
6. Participation in the **supervision of non-PhD staff** involved in experimental and laboratory tasks.

7. **Preparation of competitive research project proposals**, particularly in the fields of bioadhesives, bioproducts and substitution of fossil-based materials, at both national and international levels.
8. Performance of any other tasks related to the researcher's area of expertise as required.

MANDATORY REQUIREMENTS

1. **PhD in chemistry, chemical engineering, materials science or engineering, bioengineering or related fields**, preferably with a focus on materials, polymers, biomass or product formulation.
2. **Demonstrated specific experience in the development of bioadhesives, polymeric adhesives or bonding material formulations.**
3. **Bachelor's or Master's degree in Chemistry.**
4. **High level of English**, both spoken and written.
5. **Advanced proficiency in Microsoft Office** (Excel, Word and PowerPoint).

DESIRABLE REQUIREMENTS

1. Knowledge of **applied organic chemistry, polymers, cross-linking processes, chemical modification and functional additives.**
2. Experience in the extraction and study of **lignin, tannins and other compounds** with potential application as adhesives.
3. Previous participation in **competitive research and technology transfer projects**, particularly in collaboration with industry.
4. Special consideration will be given to:
 - Ability to orient research towards **medium and high Technology Readiness Levels (TRLs).**
 - Ability to **integrate rapidly into the CTFC research team.**
5. Personal profile:
 - **Flexible, responsible, proactive and well-organised** individual.
 - **Strong teamwork skills** and results-oriented mindset.

SOFT COMPETENCES

1. Ability to **plan, organise and efficiently manage time and resources.**
2. **Strong teamwork**, both in multidisciplinary environments and with external collaborators.
3. **Good communication and interpersonal skills** with internal staff, scientific partners and industrial stakeholders.
4. Responsible and rigorous person with a **high level of commitment** to assigned projects.
5. **Initiative, autonomy and proactivity** in problem-solving and in proposing new research lines.
6. **Flexibility and adaptability** to new challenges, projects and applied research environments.
7. **Willingness to travel** for project meetings, conferences and technology transfer activities.

CONTACT

Centre de Ciència i Tecnologia Forestal de Catalunya
Ctra. de St. Llorenç de Morunys, km 2 (direc. Port del Comte)
25280 Solsona

Tel. (+34) 973 48 17 52

E-mail: dep.personal@ctfc.cat

<https://ctfc.cat/>

<https://ctfc.cat/transparencia.php>

SELECTION PROCESS AND CRITERIA

The selection process will be carried out through a two-stage procedure. The first stage will primarily target candidates from the consortium entities, given the nature of the position. The second stage will include the remaining candidates who have correctly submitted their application within the established deadline.

- Applications: candidates must submit a CV and a motivation letter via www.ctfc.cat/registre.php by **27 May 2026 at 14:00**, indicating the reference code of the job offer. Applications submitted through any portal other than the CTFC job board and/or applications received through the SOC and following its instructions will not be accepted.

The position subject to this call may be declared vacant if the selection committee considers that, despite the existence of candidates who meet the minimum requirements, none is deemed suitable for the position.

The CTFC guarantees an open, transparent, and merit-based selection process (OTM-R) for all registered applications, thus avoiding any bias based on gender, origin, age, ideology, or any other potentially discriminatory circumstances.
Inclusion policy: Priority will be given to candidates with a recognized and accredited disability of 33% or higher, provided that the disability is compatible with the proper performance of the position.

Estimated timeline	
15 working days	Publication and dissemination of the job offer: CTFC website, SOC Office, and other communication channels.
Following 2 working days	Pre-selection: verification of compliance with the minimum requirements and assessment of desirable conditions. Informative email sent to non-eligible CVs.
Following 2 working days	Selection committee meeting: interviews with shortlisted eligible candidates. Minutes of the Selection Committee stating the name of the selected candidate and the reasons for the selection. Publication of the resolution on the CTFC job portal identifying the selected candidate. Informative email sent to interviewed eligible candidates who were not selected.
Following 1 working day	Submission to Human Resources of the official documentation required to process the employment contract and coordination of the contract start date.
September 2026 (approximately)	Start of the contract.