

**CALL FOR APPLICATIONS  
ASSOCIATE RESEARCHER  
AND SENIOR RESEARCHER POSITIONS AT CETAM-UTFSM**

**Description**

**General Requirements**

Applicants must meet the following requirements:

- Hold a **Doctoral degree (Ph.D.)** in one of the areas of knowledge specified in this call.
- Demonstrate **independence and recognition** in their field of research.
- Meet the requirements established by the **National Accreditation Commission (CNA)** to be part of the academic staff of a Doctoral program in their discipline.
- Provide evidence of **sustained success as a Principal Investigator** in competitive funding schemes, at the national and/or international level.
- Contribute positively to **knowledge generation, research, and development**, both nationally and internationally, through cooperation and collaboration.
- Demonstrate **active and recognized participation** in their disciplinary field through the dissemination of knowledge and research outcomes in mass media outlets.
- Show commitment to **professional development** and act as a **mentor** to others.
- Assume responsibility for the **implications and impact** of their research work within an ethical and regulatory framework.
- Demonstrate **scientific productivity** through publications in **peer-reviewed journals indexed in Web of Science, Scopus, and ERIH PLUS** during the last five years, according to their research area (female applicants may add one additional year per child born during or after obtaining the doctoral degree).

### **Specific Requirements for the Associate Researcher Position**

Applicants must meet the general requirements described above and demonstrate at least the level of scientific productivity expected for applications to the **ANID FONDECYT Initiation Grant (Chile)** or higher.

### **Specific Requirements for the Senior Researcher Position**

In addition to the general requirements, applicants for the Senior Researcher position must meet the following additional criteria:

- Possess an **international reputation** based on research excellence in their area of specialization.
- Demonstrate excellence in the **management and acquisition of high-impact competitive funding**, both nationally and internationally, as a Principal Investigator.
- Provide evidence of **research leadership** through scientific collaborations and the establishment of **interdisciplinary and multidisciplinary research groups**.
- Present evidence of participation in **relevant national and/or international engagement activities**, highlighting contributions to the field and recognition by the scientific community of their specialty.

### **Required Application Documents**

- Updated **Curriculum Vitae**, including academic degrees obtained and **ORCID** and **Scopus ID** identifiers.
- **Cover letter**, including motivation for applying to the researcher position in either modality.
- Documentation certifying the possession of the **Doctoral degree (Ph.D.)**. If selected, and if documents are issued abroad, they must be **duly apostilled**.
- **Research proposal**, clearly indicating the research areas to be developed at UTFSM. This must include a brief description of the applicant's research trajectory (objectives, impact, and contribution to the field), future research projections (short- and long-term plans, expected achievements, etc.), and national and international collaborations. **Maximum length: 8 pages (see annex)**.
- **Two updated letters of recommendation**.
- **Letter of commitment** from the Director of the **Centre for Environmental Technologies (CETAM)** at UTFSM, **acting as sponsor of the proposal**.
- Applicants must have a doctoral specialization and/or active research lines aligned with the definitions attached to this documentation, which must be consistent with the **research areas of CETAM–UTFSM (see annex)**.
- Application documents for requesting the **CETAM–UTFSM sponsorship letter** for the Postdoc, Associate Researcher and/or Senior Researcher positions will be received until **Friday, February 20**. Interviews of candidates to grant CETAM–UTFSM sponsorship will take place between **Wednesday, February 25 and Friday, February 27**.

- Documents for requesting the CETAM–UTFSM sponsorship letter must be sent to [marcela.aranda@usm.cl](mailto:marcela.aranda@usm.cl), with a copy to [francisco.cereceda@usm.cl](mailto:francisco.cereceda@usm.cl).
- Final applications must be submitted **no later than March 16, 2026**.

### **Application Timeline**

- Application documents will be received until **March 16, 2026**, and selected researchers are expected to join UTFSM starting in **May 2026**.

### **Application Submission**

Once all documents have been compiled and the requirements established in the call have been met, application materials must be sent to the **Office of Research** at: [investigacion@usm.cl](mailto:investigacion@usm.cl)

### **Contact**

For further information and inquiries, please contact: [investigacion@usm.cl](mailto:investigacion@usm.cl)

### **IMPORTANT**

This call is issued within the framework of **Law No. 21.015**, which promotes the **labor inclusion of persons with disabilities**.

*The terms and conditions of this call reflect the institutional commitment to ensuring equal opportunities and non-discrimination among applicants, promoting inclusive and equitable selection processes in accordance with current regulations.*

**ANNEX**  
**REQUIREMENTS AND PROFILE DESCRIPTION FOR CANDIDATES**  
**ASSOCIATE RESEARCHER AND**  
**SENIOR RESEARCHER POSITIONS AT CETAM–UTFSM**

**Academic Background and Degree of the Applicant**

PhD in Chemistry, PhD in Chemical Engineering, PhD in Environmental Engineering, or a related discipline, holding a doctoral degree.

**Candidate Profile Description**

The candidate should be a researcher with a focus on Analytical Chemistry, Environmental Chemistry, and/or Environmental Engineering, with demonstrated knowledge and experience in the implementation and operation of instrumental analytical techniques and field-based instruments, to become part of a multidisciplinary and international research team engaged in research and development projects.

The candidate must demonstrate perseverance and autonomy in achieving agreed-upon objectives in accordance with the position applied for, as well as a strong commitment to the success of their research group. Research activities will involve both fieldwork and laboratory work, based at UTFSM, Casa Central campus, Valparaíso.

**The candidate is required to have knowledge and/or experience in the following areas:**

- Operation of chromatographic and spectrometric techniques
- Handling, treatment, and analysis of samples from diverse environmental matrices
- Extraction, concentration, and purification methods for environmental samples
- Method validation using standards and certified reference materials
- Statistical treatment and analysis of analytical and environmental data
- Experience in fieldwork, preferably in mountain environments (e.g., Andean/alpine field campaigns)

**Additional Qualifications (Highly Valued)**

The following qualifications will be considered an added value and will be highly regarded:

- Experience in the use of remote sensing tools and satellite imagery
- Handling of georeferenced data, large databases, and advanced statist. and environmental analysis
- Environmental and/or atmospheric modeling, including the use of tools such as OpenAir, R, MATLAB, Python, among others

**Requirements**

- Submission of duly legalized doctoral degree certificates
- Proven knowledge and prior experience in the area of specialization corresponding to the position applied for
- Experience in research methodologies for laboratory and/or field-based studies
- Full-time dedication during working hours
- Health condition compatible with the duties defined in the candidate profile
- Valid Class B driver's license

**Language Requirements**

Native Spanish speaker, or willingness to learn Spanish if not a native speaker. Advanced proficiency in English, both written and spoken.

**Contact and Application**

Application procedures and contact details are defined in the official position description document.

**CETAM–UTFSM Information:** <http://cetam.cl>

**INTERNAL DEADLINE FOR SUBMISSION OF APPLICATIONS FOR BACKGROUND REVIEW AND  
INSTITUTIONAL ENDORSEMENT: Thursday, March 12, 2026.**