

Concurso Público



UCSC

Position: Academic Faculty of Sciences.

The Faculty of Sciences of the UCSC invites application for full-time tenure-track faculty appointment, in the bioresources area, with an explicit profile of preferential dedication to research, in order to reinforce its undergraduate and graduate programs. (see <https://ciencias.ucsc.cl/>).

Required Academic Profile:

The individual hired for this position will be a researcher with an initial academic formation in the area of chemistry, biochemistry, or another closely-related field, and with doctoral training in the area of bioresources*, as well as demonstrated experience - via publications and funded projects - in the use and value enhancement of microbiological, plant, or animal biomass. Some of the related lines of research in the Faculty are:

- Obtaining and characterizing molecules from renewable resources: involving the extraction, pre-concentration, purification, and structural and biological activity characterization of natural products of a multi-purpose nature.
- Development of environmentally friendly technologies: focused on the design and development of eco-friendly technologies based on clean chemical and biochemical processes and based on the precepts of green chemistry.
- Resource value enhancement through material design: the design and value enhancement of functional materials (thermosets, thermoplastics and molecularly printed polymer nanoparticles) based on monomeric or polymer blocks of different natures.

* Defined as the study and development of transformations, chemical or biological processes, that generate added value in biogenic resources and/or favor their sustainable use.

General Application Requirements:

- Doctorate or PhD degree (postdoctoral experience is desirable).
- Capability to develop basic and/or applied scientific research, demonstrated through publications and/or patents, as well as the awarding of competitive research grants from national or international agencies.
- Productivity in the last five years*: (i) minimum of 8 publications (WoS), (ii) at least 5 publications in Q1 or Q2 (1 granted patent replaces 1 publication in Q1), and (iii) the awarding - as principal investigator - of 1 competitive research grant from a national or international agency.
- R+D experience desirable in the case of Position 2.
- Undergraduate and graduate teaching experience is desirable.
- Advanced level in written and spoken English.
- Availability to start between 1 March and 31 July 2021.

* Standards CNA-Chile for PhD programs in the Biological Sciences Area, to which the PhD in Biodiversity and Bioresources is attached. For more details see:

<https://www.cnachile.cl/SiteAssets/Paginas/Acreditacion-Postgrado/CA%20Cs%20Biologicas%2031-12-2018.docx.pdf>

Application Documents:

- Curriculum Vitae (full). Include ORCID code.
- Two letters of recommendation*.
- Photocopies of university diplomas (professional titles and/or academic degrees). Certified copies of the original documents are needed if you are selected for the position.
- A cover letter including at least the following components: (i) brief description of academic trajectory; (ii) perspectives on integrating into the position (research lines to be developed, potential for collaboration with other academics in the Department or Faculty, contribution to undergraduate and graduate teaching, contribution to academic administration and outreach); and (iii) contact information of at least 2 academics (other than those sending letters of recommendation) who have had a direct relationship with the applicant in a work context or in his/her doctoral or postdoctoral research.

* **Important:** letters in free format will not be accepted; the applicant must download the file "Letter of recommendation Faculty of Sciences UCSC" available on the webpage <http://ciencias.ucsc.cl/CIEN>, and request recommenders to send their letters personally, according to instructions indicated in the same file.

Selection Process:

- Pre-selection of applicants will be made based on their academic background, according to the requirements and the profile defined for each position.
- Pre-selected applicants will be invited to participate in an online interview with the corresponding Selection Committee, and then offer a presentation to the academics of the Faculty focusing on their career and potential contribution to the Faculty.
- The Universidad Católica de la Santísima Concepción reserves the right to leave the position(s) unfilled.

Submission Of Documents:

- Application documents (compiled in a single PDF file) should be submitted via email to concursos@ucsc.cl, indicating in the subject field: "Application [position's code]".

Term Receipt of background information: Until 30 December 2020

POSITION'S CODE (CIEN-02)