**Concurso Cargo Académico**

**FACULTAD DE AGRONOMÍA y sistamas naturales**

**CARRERA DE INGENIERÍA EN RECURSOS NATURALES**

**INSTITUTO PARA EL DESARROLLO SUSTENTABLE**

**SEPTIEMBRE de 2023**

The School of Agriculture and Natural Systems and the Institute for Sustainable Development at Pontificia Universidad Católica de Chile seeks for exceptional and highly motivated candidates for a full-time Associate/Assistant Professor position on Circular Bioresource Engineering

Position summary

The School of Agriculture and Forestry and the Institute for Sustainable Development (IDS) at Pontificia Universidad Católica de Chile seeks for exceptional and highly motivated candidates for a full-time Associate/Assistant Professor position on Circular Bioresource Engineering. The candidate chosen for this position will have a joint appointment at both academic units. The candidate will be a part of a highly experienced, diverse, and multifaceted team whose mission is to develop a new academic program in Natural Resources Engineering and will also be part of the IDS, is an interdisciplinary academic unit seeking to cross-section the issues of sustainability and sustainable development through high level teaching, research, and outreach with faculty from several disciplinary areas.

The ideal candidate would be a systems level thinker with strong quantitative skills. We are seeking an individual who would use these skills to investigate and develop sustainable and circular bio-based value-added products for the benefit of climate, environment and biodiversity, and addressing societal and consumer needs. This collaborative scientist must have the ability to engage in existing research programs and to develop independent and innovative research on the design of regenerative nature based-productive systems defined as those in which a net-positive value is created for the environment and society by means of using nature’s functions to generate food-feed-fiber-timber-fuel-bio-based products. In this respect, the circularity of resource management is understood as including but not limited to the valorization of waste flows, but it goes much further into considering that our understanding of the way natural systems work can lead to proactively designing agroecological systems that are conducive to climate change and adaptation and stopping biodiversity/ecosystem loss. Desirable expertise includes some or many of the following areas: agroecology, bioresource technology, environmental systems analysis.

The successful candidate is expected to teach at least two undergraduate courses one for natural resources engineering students and the other for the Institute for Sustainable Development, and at least one graduate course related to the candidate specific skills. For the Natural Resources Engineering program, the course must be related to circular resource management in bio-based systems called Sustainability Analysis in Productive Systems, and the second in the field of regenerative design of food-feed-timber- bio-based chemicals/products/fuels production; all courses must be taught in Spanish.

The candidate is also expected to develop a high quality research program within this area, being responsible for planning research activities, reporting to customers and scientific peers, and supporting technology transfer of products developed during research. Analysis, interpretation, and dissemination of findings will be done in the form of reports, presentations, and publications in scientific journals according to the standards set by Pontificia Universidad Católica de Chile.

Minimum/ Required Qualifications

- Ph.D. in a discipline relevant to agroecology, environmental systems analysis, bioresource engineering, or related discipline at the date of appointment.

- Demonstrated potential to develop a high-quality academic research program in some of the areas of her/his expertise.

- Demonstrated interest in interdisciplinary teaching and researching

- Commitment to teaching and mentoring students at undergraduate and graduate level, promoting and enhancing diversity.

- Excellent communication skills.

- Evidence of research productivity.

Preferred Qualifications

- Evidence of ability to link basic and applied research.

- Strong record of obtaining external funding.

- Relevant experience in teaching at the undergraduate or graduate level.

- Experience with natural resource management.

**Deadline for application:** January 20, 2024

Applications will continue to be accepted after the full consideration date, until a sufficient applicant pool has been achieved or the position is filled. The closing date is subject to change without notice to applicants.

The Pontificia Universidad Católica de Chile is committed to equal opportunities, to the construction of an inclusive, diverse and fraternal community and to the promotion of the academic development of women and men. A person of foreign nationality and who applies from abroad, in case of being selected for the position, will be required to have the corresponding visa, obtained from the consulate in the country of origin, in order to be incorporated into the academic staff of the University.

**Special Instructions to Applicants**

When applying you will be required to attach the following electronic documents:

1. A cover letter addressing your qualifications and aspirations, explicitly identifying how they relate to the specific duties and responsibilities described in the position description.

2. A three-page curriculum vitae (CV);

3. A two-page teaching statement that specifically addresses the candidate’s commitment to fostering student success and teaching strategies.

4. A two-page research statement;

5. A list of publications in peer-reviewed journals.

6. Two letters of recommendation with the names and contact information (email, telephone and mail) as they may be contacted by the search committee.

7. Copy of doctoral degree

Please send your completed application to Professor Francisco Meza ([fmeza@uc.cl](mailto:fmeza@uc.cl)) incorporating in the subject “**Postulación cargo académico Economía Circular”**.

Inquiries can be directed to Professor Francisco Javier Meza. (fmeza@uc.cl) before deadline.