

Job Opening Assistant/Associate Professor

Biotechnology and Environmental Bioengineering

**Division of Environmental Sciences (DES)
Instituto Potosino de Investigación Científica y Tecnológica
San Luis Potosí, Mexico**

The Instituto Potosino de Investigación Científica y Tecnológica (IPICYT) is a federally funded interdisciplinary research center in San Luis Potosi, Mexico. IPICYT consists of five research divisions, 1) Advanced Materials, 2) Applied Mathematics, 3) Applied Geosciences, 4) Environmental Sciences, and 5) Molecular Biology. IPICYT offers Master and PhD programs; despite of its close to 20 years of existence, it is still a growing research center with state-of-the art infrastructure at the level of Mexico and Latin-America.

The Division of Environmental Sciences at IPICYT (www.ipicyt.edu.mx) invites applications for the equivalent of a tenure-track position at the Assistant/Associate professor level in Biotechnology and Environmental Bioengineering.

We are interested in candidates who

- 1) Demonstrate strong interests and skills in basic and applied research in biotechnology and/or environmental bioengineering.
- 2) Complement research areas that are currently developed at DES; these include biotechnology, environmental engineering, ecology and global environmental change, and complex environmental systems.
- 3) Demonstrate experience and strong interest in interdisciplinary collaborations.

The successful candidate will be expected to establish an internationally recognized, externally-funded research program with national and international financial support. He/she must show strong skills in student training at the master and doctorate level. The qualified applicant will be expected to establish strong collaborative relations with state, national and international environmental agencies.

Academic Responsibilities

The successful applicant is expected to participate in the postgraduate program in Environmental Sciences by directing master and PhD thesis and with 1 to 2 courses per year in his/her area of expertise. It is further expected that the candidate will collaborate with other investigators of the Division by offering multi- and interdisciplinary courses in Environmental Sciences.

Specific Requirements

- The candidate should have a doctorate degree in Biotechnology, Bioengineering, Bioprocesses, Chemical Engineering, Biochemical Engineering, Environmental Engineering, among others. Independently of the particular degree, the candidate is expected to have ample experience in **Biotechnology and Environmental Bioengineering**
- Solid experience in anaerobic biotechnology, anaerobic bioprocessing or anaerobic bioengineering; for example, biodegradation and biotransformation of organic or inorganic pollutants in water, soils or sediments, treatment of micro-pollutants, application of membranes, bioelectrochemical systems, biofilms, high salinity systems, among others
- Count with at least two years of demonstrated research experience after having completed the doctorate degree

- Solid experience in interdisciplinary research and publications in indexed, high-impact factor scientific journals of the Journal Citation Reports and/or have patents
- Profile of at least 'Investigador Nacional' level I of the 'Sistema Nacional de Investigadores' or the equivalent (i.e. count with 10-15 publications). However, all suitable candidates are encouraged to apply
- Previous involvement/participation in student training and teaching at the graduate level (Masters and PhD) is welcomed
- Active participation and/or leadership in national and international research projects or technological development is desirable
- Capacity to work both independently and/or in research teams
- Interest in working in laboratories, industrial settings or remediation projects and ability to scale laboratory results to pilot studies and prototypes
- Preferentially demonstrate experience in multi-stakeholder projects including the public and private sectors
- Strong Spanish skills

PLEASE NOTE: only applications that fulfill all requirements will be considered

Required documents

The interested candidates are requested to send the following documents in electronic version (in PDF format):

- letter of application including statements of research interests and teaching philosophy
- *Curriculum vitae* including all supporting documents (academic certificates, work contracts, publications, patents, grants, certificates of graduated students, among others).
- Proposal of working plan that links directly to research foci of DES

- Three letters of recommendation from researchers associated with academic institutions sent confidentially to the email of Dr. Ernesto Badano (ernesto.badano@ipicyt.edu.mx)
- Copies of Birth Certificate, passport, FM2, or equivalent
- For non-native Spanish speakers a certificate of fluency in Spanish language

Successful candidates will be invited to IPICYT for interviews with the Search Committee. During their visit, they will be introduced to the installations and laboratories and have the opportunity to get to know researchers from DES and other Divisions.

They will be asked to provide a seminar on their research topic and present a postgraduate class in their field of expertise to the audience consisting of the Search Committee and members of IPICYT.

The final decision will be taken by the Search Committee based on the curricular profile, interviews, seminar and course taught. The final decision will not be subject to appeal.

For more information and inquiries please contact the Search Committee.

Key dates:

- Publication of position announcement: May 15, 2019
- Applications will be received until July 29, 2019
- Review of applications until August 5, 2019
- Invitation of successful candidates: August 5, 2019
- Interview and presentations: August 12-16, 2019
- Tentative date of hiring: September 1, 2019



Search Committee

C/o Ernesto I. Badano

Instituto Potosino de Investigación Científica y Tecnológica A.C.

División de Ciencias Ambientales

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“2019, Año del Caudillo del Sur, Emiliano Zapata”

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