



Centro de Investigación Científica y de Educación  
Superior de Ensenada, Baja California.

No. 04.DO01.2019

## TENURE TRACK POSITION IN AQUACULTURE ENGINEERING

The Center for Scientific Research and Higher Education of Ensenada CICESE, Baja California, calls for an open competition to occupy the position of INVESTIGADOR, a Professorial title commonly used in Mexican Institutions, in Aquaculture Engineering in the Department of Aquaculture of the Division of Oceanography (DOC).

### Candidate Profile:

The selected person should have the capacity to develop high impact research projects in areas of aquaculture, integrated mariculture systems, and recirculating systems. Additionally, CICESE promotes collaborative interdepartmental research in priority disciplines such as climate change, environmental sustainability, and alternative energies,. The selected candidate is expected to participate in the postgraduate program in Aquaculture Sciences, giving introductory and advanced courses and directing theses at the master's and doctoral level. The selected candidate will have to attract project funding for his/her projects and to publish frequently in indexed journals.

### REQUIREMENTS:

#### 1. Academic training:

- a) Must hold a Doctoral degree in the area of Aquaculture Engineering or related fields.
- b) Postdoctoral experience in a recognized Mexican or foreign institution is highly recommended.

#### 2. Experience and capabilities:

- a) Ample knowledge in experimental and applied aquaculture engineering fields among others).
- b) Ability to carry out original and independent research in a teamwork environment.
- c) Ability to manage resources through links with the productive, social or governmental sectors.
- d) Ability to submit projects to national and international funding agencies to obtain resources and carry out their research.
- e) Belong to the SNI (Sistema Nacional de Investigadores from CONACYT) or have an adequate profile for immediate acceptance.
- f) Have the ability and willingness to direct and advise students at the master's and doctoral level.
- g) Extensive handling of Spanish and English (spoken and written). In case Spanish is not the mother tongue of the applicant, be willing to learn it in a short time.
- h) Experience in recirculation technology with practical implementation of results in the industry.
- i) Robust theoretical experience oriented to research with an interest in collaborating with the aquaculture industry.
- j) Capacity to design aquaculture recirculation systems for experimental and commercial purposes.
- k) Ability to conduct original research to develop new technology for the removal of nitrogen, phosphorus and organic matter in aquaculture systems.
- l) Ability to perform research on the treatment of aquatic organism waste and its potential use.



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- m) Ability to perform research in mariculture systems and the development of integral multitrophic systems.

**3. Skills:**

1. Strong leadership
2. Good analysis and decision making
3. High adaptability to working environment
4. Good communication skills
5. High creativity/innovation
6. Personal integrity/good work ethics
7. Highly responsible

**SELECTION PROCESS AND EVALUTION:**

The selection process will meet the internal guidelines of the institution.

CICESE will follow established standard procedures and will continue the selection process until the vacancy is filled. Applications will be reviewed by a designated committee and a preliminary list of candidates will be selected.

The selected applicants will be interviewed and invited to present a seminar at CICESE, as well as a 5-year work plan with the members of the department. The selection of the candidate will be based on the opinion of the selection committee and CICESE collegiate bodies.

**BENEFITS:**

The economic benefits are based on the following terms:

- a) Salary according to the assigned category, which will be granted after the curricular evaluation and in accordance with the CICESE's Academic Personnel Guidelines.
- b) Benefits superior to those of the law (insurance of major medical expenses, savings fund, etc.).
- c) Yearly incentives based on productivity.
- d) Scholarship granted by the SNI National System of Investigators (in case of not belonging to the SNI, the selected candidates must request their admission as soon as possible).

**APPLICATION:**

**Required documentation:**

- a) Curriculum vitae
- b) Cover letter
- c) A two-to-three page statement of research describing current and future research interest
- d) Name and emails of three or more professionals who can be contacted to request letters of recommendation
- e) Include pdfs of two to three articles most relevant of his/her career.



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Send documentation electronically or request more information to:

<b>CONTACT:</b>	<b>Dra. Carmen Guadalupe Paniagua Chávez</b> Jefa del Departamento de Acuicultura División de Oceanología Correo electrónico: <a href="mailto:cpaniagu@cicese.mx">cpaniagu@cicese.mx</a>
<b>Deadline:</b>	<b><u>July 26, 2019</u></b>
<b>Special conditions:</b>	Please send all documents in a single PDF file

#### **General information about the city of Ensenada and CICESE**

Ensenada is the main port in northwestern Mexico. It is located in a privileged place, with a temperate climate all year long. It is a city with a population of approximately 500,000 inhabitants, and without major traffic problems. Tourism, fishing, agriculture and industry are the most important activities in the economic development of the city. The adjoining Valle de Guadalupe has become a great international tourist attraction for its gastronomy and wine growing.

CICESE, constituted in 1973, is the largest public CONACYT center. It is a reference institution in the national and international scientific context. Its academic excellence supports the national development, the training of human resources and contributes to generate the knowledge that can contribute in the solution of problems that affect the social and economic environment of Mexico. Researchers and students of Department of Aquaculture of CICESE have received numerous national and international awards.

CICESE is located near the coast, with many of its offices with an ocean view. Its location, 100 km south of the US border, allows collaboration with several border universities, including the University of California at its different campuses, San Diego State University and Arizona State University. Additionally, we are located in the middle of an academic nucleus where research centers and academic institutions converge, offering wide possibilities of collaboration with the Autonomous University of Baja California (UABC) and the Center for Nanoscience and Nanotechnology (CNYN) of the National Autonomous University of Mexico (UNAM), creating a vibrant academic atmosphere.

***Date: April 30, 2019***