

## **INSTITUTO DE ECOLOGIA A.C. (INECOL) ANNOUNCEMENT OF TWO RESEARCH POSITIONS**

INECOL is a publicly funded Mexican institution affiliated to the National Council of Science and Technology whose mandate is to carry out research of quality and train professionals in the fields of ecology, biodiversity and systematics, conservation and management of natural resources.

INECOL invites applications of interested scientists for the following two positions available in the network of Multitrophic Interactions. Review of applications will begin with the publication of this announcement and will continue during the period established in this call.

### **RESEARCH SCIENTIST IN MULTITROPHIC INTERACTIONS BETWEEN ARTHROPODS AND TERRESTRIAL PLANTS**

#### **TWO POSITIONS AVAILABLE**

**Position Title:** Researcher (Titular A, depending on qualifications)

**Employment Status:** Full-Time, 12 months. The appointment is renewable depending upon performance. After three years, candidates can apply for tenure according to the terms of the INECOL Bylaws for Academic Personnel.

#### **General Description:**

Successful candidates will be incorporated to the Network of Multitrophic Interactions in the Campus Xalapa, Veracruz to carry out research on the ecology and evolution of antagonistic arthropod – plant interactions (phytophagous and/or natural enemies) and mutualistic pollinator arthropod – plant interactions, as well as their influence on terrestrial biological diversity in the framework of multitrophic interactions. Candidates must have proven experience and expert knowledge of the theory related to arthropod – plant interactions, trophic networks and ecological modeling of populations and communities. Also, candidates must possess knowledge on experimental design and analytical methods used in this area, and the capacity to write and implement research projects to obtain funding and to collaborate with the other researchers of the network of adscription.

#### **Responsibilities:**

- Carry out original research in the area of multitrophic interactions incorporating both empirical and theoretical components, primarily on tropical and subtropical environments of Mexico.
- Carry out long-term studies on arthropod-plant interactions and their impact on the structure of populations and communities.
- Integrate generated knowledge through qualitative and quantitative analyses of trophic relationships and interacting species.
- Teach courses at the postgraduate level and advising student thesis projects in the Master and Doctoral programs of INECOL.
- Apply for and obtain competitive funding to carry out scientific research.
- Publish the results of research in renowned specialized international scientific journals.

#### **Requirements:**

- Doctoral degree in Biology or a closely related subject.
- At least one postdoctoral research experience collaborating in a project related to multitrophic interactions.

- Proven research experience of at least 5 years in a field related to the one announced in this call.
- Authorship or co-authorship in 5-7 peer reviewed scientific publications in specialized international journals; in three of these articles, the candidate must be first or corresponding author, and at least 3 of these must have been published in the last 3 years.
- Proven experience on theoretical and conceptual components of multitrophic interactions, experimental design required to develop and carry out field research, and skills to publish research findings.
- To have carried out research on antagonistic interaction among various groups of phytophagous insects and their food plants, and/or interactions among arthropods and their natural enemies, and/or mutualistic interactions among various groups of insect pollinators and their plants.
- Proven experience in the use of methods for the analysis of interactions, such as statistical multivariate techniques and complex network analyses at the level of species and communities.
- Teaching experience at the undergraduate or postgraduate levels.
- Coordination as principal investigator of at least one research project.
- Skills and experience in initiating, developing and working in national and international research teams.
- Spanish (language of instruction) and English fluency, both oral and in writing, is required.
- Excellent interpersonal skills with ample willingness to collaborate and interact with the academic personnel of the network of adscription and INECOL.

#### **Application Procedure:**

Interested individuals should send a letter describing research goals and previous experience related to the field of this call, *curriculum vitae*, and contact information for three references, including telephone numbers and e-mail addresses. References will be contacted only for the finalists. Review of applications will begin with the publication of this call and will continue until **the available vacancies are filled**. Please send all documents via electronic mail as PDF files to:

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