

Post-Doctorate Selection Process in Biological Control in Sugarcane

BRIEF DESCRIPTION

The selected candidate will develop a research project in the area of Biological Control at the CEPENFITO - Engineering Research Center - Plant Health in Sugarcane. Knowledge about sugarcane crop, experiences demonstrated by published papers, hands-on experiences in Biological Control, Integrated Pest Management, and Statistical Modeling will be considered as a plus.

The selected candidate will be responsible for developing a research project on biological control of the stable fly, *Stomoxys calcitrans*, in sugarcane crops, which is defined as a priority and strategic for CEPENFITO, in articulation with the research institutions associated with the Center. The project consists in the development and validation of an in-field biological control using predators in sugarcane.

I- Process characteristics

- ✓ Background of the candidate: Biological Sciences, Agronomic Engineering/Agronomy, and related areas with a focus in Plant Health.
- ✓ Number of positions: 1
- ✓ Responsible Researcher: Dr. Raphael de Campos Castilho
- ✓ Institution unit (base): ESALQ/Piracicaba, SP.
- ✓ Location: Av. Pádua Dias, 11, Piracicaba, SP, Brazil.
- ✓ Deadline: OCT/16/2024
- ✓ Duration of the Fellowship: 12 months
- ✓ Fellowship value: R\$ 108,568.80 a year (R\$ 9,047.40/month)
- ✓ Post-Doctorate Program: NOV/2024 – OCT/2025 (Observation: According to Brazilian regulation PD is not a job, and candidates will receive a fellowship).

2- Candidate requirements

The candidate must have a Ph.D. degree in a field related to Entomology. The candidate must demonstrate training and interest in the area described and a predisposition for interdisciplinary research. The following experience and knowledge are considered relevant: data analysis in Entomology, statistical analysis of entomological essays, as well as expertise in the sugarcane

crop. Experience with publications peer-reviewed publications in indexed scientific journals will also be relevant

The candidate must be exclusively dedicated to the Postdoctoral program (40 h/week, in person, with activities at ESALQ/USP, Piracicaba, SP and Unesp, Jaboticabal, SP (CEPENFITO's headquarter) Brazil). Candidates with international research experience (short and long internships, participation in collaborations) are strongly desired.

The candidate must have residence availability in the city of Jaboticabal, SP, Brazil. The position will also require availability for traveling.

3- Documents required for enrollment

✓ **Resume**

Brazilian or foreign candidates must send an updated curriculum vitae (CV), being allowed to send the curriculum of Plataforma Lattes - CNPq. Curriculum Vitae must be sent as a "pdf" file. If the candidate is selected, the supporting documents related to education, professional and academic experiences will be requested to complete the process and grant the fellowship. If the candidate does not present the documents when requested, he or she will be eliminated from the process.

✓ **Cover letter**

The candidate must prepare an objective cover letter (up to two pages) stating his/her motivations and expectations for the post-doctorate program. The candidate must also report his/her expectations and adherence of competences and skills to the requirements of this postdoctoral opportunity.

✓ **Reference letters**

Two reference letters reporting the candidate's qualifications for the post-doctorate position are necessary for this PD opportunity.

Important – All documents mentioned above (resume/CV, cover letter, reference letters) may be submitted in Portuguese or English.

4- Selection Process

The selection process for this opportunity will be carried out by CEPENFITO researchers considering analysis of the required documents and interview of the candidates. The required documents must be sent to the email: **administrativo@cepenfito.org.br** until **11:59 p.m. (Brasilia time)** on **OCT/16/2024**, with the subject line "CEPENFITO-PD/Biocontrol".

Jaboticabal, September 16th, 2024.