

Postdoc opportunity: research in mangrove forest

We are recruiting for a new (post-doctoral) position focused on controls of greenhouse gas fluxes (CH_4 , CO_2 , H_2O) in a mangrove forest.

This project represents an exciting and innovative establishment of a new eddy covariance site in Chiapas, Mexico (La Encrucijada Biosphere Reserve). This study site is part of a network of intensive carbon monitoring sites in Mexico to support implementation of REDD+ activities and the regional eddy covariance network (MexFlux). The task will involve installation of micrometeorological equipment, capacitation of colleagues at the collaborating institutions for day-a-day instrument maintenance, analysis of eddy covariance data, long-term (i.e., >10 years) information about mangrove productivity, and reporting findings in scientific publications.

The candidate will work with collaborative and interdisciplinary teams of researchers from several institutions in the USA (i.e., University of Delaware and US Forest Service) and Mexico (e.g., CONAFOR, ECOSUR, CONANP, CONABIO). It is expected that the candidate is involved in installing the instrumentation and collaborating with colleagues from ECOSUR in Tapachula, Chiapas, Mexico. The majority of the time will be at the University of Delaware, USA for data processing and analysis.

Minimum Qualifications

- Ph.D in a relevant ecological, environmental or engineering science
- Experience using the eddy covariance technique is essential
- Experience with computer programming, and analysis of large datasets.
- Strong publication record in the peer-reviewed literature
- Be able to work collaboratively as a member of an interdisciplinary research team.
- Ability to communicate in Spanish or willingness to learn Spanish

Home institution

The position will be funded through the University of Delaware. Outstanding UD benefits include health, dental, and vision insurance plans; access to UD recreation and cultural activities; and more! UD conducts pre-employment screening for all positions, which includes a criminal background check, verification of academic credentials, licenses, certifications, and work history.

Required content of the application

Applications and inquiries should be sent to Rodrigo Vargas (rvargas@udel.edu) and Richard Birdsey (rbirdsey@fs.fed.us). Applications should include (1) a curriculum vitae, (2) statement of motivation, and (3) names, addresses, phone numbers, and email addresses of at least two references.

The position is available from January 1st and will remain open until filled with review of applications and interviews starting on December 1st. The position is funded for 12 months with possibility for extension up to 24 months pending on performance and availability of funds. Salary follows UD standards and is adjusted for work experience.