

University of Florida/IFAS Range Cattle Research and Education Center

Postdoctoral Associate Position in Biogeochemistry and Greenhouse Gas Emissions from Subtropical Grazing land Ecosystems

The Long-Term Agroecosystem Research (LTAR) network is a partnership among 18 agroecosystems across the United States that addresses the great and complex issues facing US food, feed, fuel, and fiber production (LTAR <https://ltar.nal.usda.gov>).

University of Florida, Range Cattle Research Center and its partner Archbold Biological Station (Archbold-UF Range Cattle Subtropical) LTAR sites are focused primarily on productivity and sustainability of forage-based grazing systems in subtropical environments with special emphasis on the impacts of grazing land management on ecosystem services under a climate change scenario.

University of Florida, Range Cattle Research Center is accepting applications for a Postdoctoral position in biogeochemistry (with special emphasis on C, N, and P dynamics) and GHG emissions in subtropical grazing land ecosystems within the framework of the USDA-LTAR project.

Main duties associated with this position are (but not limited to):

1. Field measurements of vegetation, soil, and GHG emissions as affected by contrasting fire and grazing management strategies
2. Design and execute soil and greenhouse gas collection plan for the various experimental sites at UF/IFAS Range Cattle REC
3. Field and lab measurements of plant diversity, and soil C, N, and P dynamics
4. Assist with supervision of a team (graduate students, visiting scientists, interns, and research assistants) working in different aspects of the LTAR project
5. Evaluate and synthesize greenhouse gas flux and soil data and produce reports, peer-reviewed publications, and presentations at scientific and LTAR meetings.

Required qualifications:

- PhD degree in soil science, environmental science, agriculture or related field
- Experience in soil C, biogeochemistry, field research
- Excellent verbal and writing communication skills in English. Record of peer-review publications in the area is a must.
- Experience in writing proposals and acquiring research funding
- Be familiar with scientific literature related to GHG in subtropical grazing lands and the impacts of management on soil C and GHG emission responses

- Demonstrate ability to work independently and also as a part of a team. The work is highly collaborative and we seek applicants who have interest and motivation to work closely with the Archbold team and also be involved in regular meetings and join research efforts. Occasional travel between the cooperating sites is expected.

Desirable skills and qualifications: previous experience with eddy covariance systems are highly desirable. Laboratory experience, social skills and teamwork abilities, self-contained organization is also beneficial.

Application instructions: In order to be considered, please apply online at <https://jobs.ufl.edu> (position # 505501). Please include a cover letter explaining your specific interest in joining the LTAR team, CV, and names and contact information of three references along with your application. Competitive salary with full benefits. Equal Opportunity Employer. Women, Minorities, Veterans and Disabled Persons are encouraged to apply.

Closing date: open until filled

Expected start date: Immediately

Location: Ona, FL

Supervisor: Maria L. Silveira

Term: 1 year with potential for renewal

Advertised salary: \$50,000

“Final candidate will be required to provide official transcript to the hiring department upon hire. A transcript will not be considered “official” if a designation of “Issued to Student” is visible. Degrees earned from an education institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES), which can be found at <http://www.naces.org/>.”

The University of Florida is an equal opportunity institutions dedicated to building a broadly diverse and inclusive faculty and staff.