



Institute of Food and Agricultural Sciences
Range Cattle Research and Education Center

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PhD Assistantship in Hydrology and Water Quality

The Soil and Water Science Program at the UF/IFAS Range Cattle Research and Education Center is recruiting a highly motivated PhD student in the field of hydrology and water quality (position begins in Fall 2022). The project is designed to investigate influences of grazing management on the hydrology and biogeochemistry of working rangelands in Florida and mitigation strategies. The candidate will work with an interdisciplinary research team on hydrology and water quality issues using the field data, Geographic Information Systems (GIS) and hydrologic modelling including water quantity and quality in Florida watersheds (surface, subsurface and ground water). Multiple topics are available and can further be determined by discussion with project principal investigators. The student will be located in UF/IFAS Range Cattle Research and Education Center in Ona, Florida.

Candidates with academic background in water resources or related fields will be desired. High GPA, along with a strong publication record is desired. We seek applicants that have:

- experience and strong interest in working with hydrological modelling
- experience and strong interest in quantitative skills in GIS
- experience and knowledge of programming
- an interest, commitment, and aptitude for research in the field

Preference will be given to candidates with field research experience, strong academic performance, and excellent oral and written communication skills. Student will be expected to publish findings in peer-reviewed scientific journals and participate in professional meetings.

The RCREC hydrology and biogeochemistry program has a strong focus on extension, the successful candidate will participate in extension activities and generate extension resources. Interested applicants should provide:

- 1) cover letter that briefly describing academic/research background, interest in the position, career goals (reasons for pursuing graduate school)
- 2) CV
- 3) unofficial transcripts
- 4) contact information for three professional references (include at least one academic reference)

Review of applications will begin immediately and continue until a suitable candidate is identified or until closing date. Only selected candidates will be contacted.

Send materials to Dr. Golmar Golmohammadi (g.golmohammadi@ufl.edu).

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