



Institute of Food and Agricultural Sciences
Agricultural and Biological Engineering Department

**Precision Water Management Lab
Agricultural and Biological Engineering Department
University of Florida**

Post-Doctoral Research Associate

The Precision Water Lab in the Agricultural and Biological Engineering Department have **TWO open Post-Doctoral Research Associate Positions starting in Summer 2024**. The candidate will work in a team environment comprising researchers, graduate students, extension agents, and growers to accelerate the adoption of precision irrigation and nutrient management technologies. The project will include integrating VRI technology with in-field data, remote sensing and Artificial Intelligence and Machine Learning (AI/ML) algorithms to interlink water quantity and quality dynamics and crop productivity relationships and their impact on economic and risk management aspects on local to regional scales. The successful candidate should have relevant experience in precision water management, machine/deep learning. The successful candidate should be self-motivated, creative, and has the desire to collaborate in a multidisciplinary environment. The candidate will be expected to publish in peer-reviewed journals and conference publications. A review of applications will begin immediately until the position is filled.

The UF/IFAS ABE Department is ranked among the top 5 programs in the nation and provides unique opportunities for in-depth research and field experience with award-winning department faculty.

Qualifications:

- (i) Appropriate Degree (Ph.D.) degree in Agricultural and Biological Engineering, Precision Water Management, Soil and Water Science, Agronomy, Remote Sensing, Hydrology, or any other related field with a GPA of 3.0 or higher;
- (ii) Knowledge and experience in applied agricultural water management research and outreach;
- (iii) knowledge in watershed hydrology, soil science, GIS, and hydrological and/or chemical/nutrient fate and transport modeling, (iii) Experience and willingness to work in various field conditions,
- (iv) Excellent Data science expertise/ Programming skills – Python, R, or similar language,
- (v) Record of previous scientific communications (journal articles or/and conference publications).

The positions are open for immediate hiring if qualified candidate found and will remain open till candidate hired.

How to Apply:

Interested applicants are encouraged to contact Dr. Vivek Sharma (vsharma1@ufl.edu) directly with a copy of your CV, research statement, unofficial transcript, list of publications, and contact information of three references. More information about applying for a graduate degree in Agricultural and Biological Engineering can be found at <https://abe.ufl.edu/graduate/admissions/>.

The Foundation for The Gator Nation

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