

Bibek Acharya, Ph.D.

Postdoctoral Research Associate
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A. Professional Summary

Dedicated and passionate researcher in agricultural water management. Skilled in employing process-based modeling, remote sensing, and machine learning to address complex water quantity and quality challenges, including water use efficiency, water productivity, crop water production functions, soil water and solute transport, and evapotranspiration. Experienced in field experiments, long term scenario analysis, climate-based crop suitability assessment, and development of practical decision tools and recommendations for growers and other stakeholders.

B. Education

2024	Ph.D.	Agricultural & Biological Engineering	University of Florida (UF), Gainesville, FL
2020	M. S.	Plant Sciences	University of Wyoming, Laramie, WY
2017	B. S.	Agriculture	Tribhuvan University, Nepal

C. Work Experience

09/2024 – present	Postdoctoral Research Associate, Texas A&M AgriLife Research, Vernon, TX
08/2020 – 08/2024	Graduate Research Assistant, University of Florida, Gainesville, FL
08/2018 – 08/2020	Graduate Research Assistant, University of Wyoming, Laramie, WY

D. Awards and Honors

2024	Honorable Mention Emerging Scholar Award, University of Florida
2024	Graduate Student Research Paper Award, ASABE
2023	Florida Stormwater Association Educational Foundation, FSA Florida
2023	Sanford N. Young Scholarship, AWRA Florida
2023	Educational Aids Blue Ribbon award, ASABE
2023	McNair Bostick Scholarship, University of Florida
2020-2021	Grinter Fellowship, University of Florida
2018-2020	Brand of Excellence - Y Cross Ranch Graduate Scholarship, University of Wyoming
2018	Irrigation Association's E3 Winner grant
2013-2017	Merit scholarship by IAAS, Tribhuvan University, Nepal

E. Professional Activities

- Serve as Satellite Campus Officer for the Texas A&M Postdoctoral Association (Jan 2025 - present).
- Delivered a hands on workshop on DSSAT crop modeling for undergraduates at Agricultural and Forestry University, Nepal (Jan 2025).
- Manuscript reviewer for ASA-CSSA-SSSA, ASABE, AGU, and AAAE.
- Reviewed proposals for the 2025 Undergraduate Research Thesis Program at Texas A&M University.
- Judged 11 oral and 6 poster presentations at CANVAS 2025.
- Served as Teaching Assistant at UF and mentored graduate students at Texas A&M AgriLife Research and the UF and trained visiting scholars and students.
- Member of the ASA and the ASABE (2019 - present).
- Authored 7 refereed research articles (+5 under review) and 1 extension publication.
- Contributed 32 conference abstracts and presentations, including 21 oral and 12 poster presentations.
- Volunteered for oral sessions at the 9th UF Water Institute Symposium, Gainesville, FL
- Held student leadership roles with the Nepalese Agricultural Professionals of Americas (2022 - 2024), Nepalese Student Association at UF (2022 - 2023), and ABE Department at UF (2020 - 2024).
- Co trained participants in the “Transfer of Technology” training program, National Youth Council and District Youth Committee, Lamjung, Nepal (Aug 2017).