FELIX A. OGUNMOKUN

Assistant Professor
Tennessee State University
Department of Environmental Science
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EDUCATION

Hebrew University of Jerusalem | Advisor: Prof. Rony Wallach — Israel
PhD, Soil and Water Sciences — 2022
Dissertation: Use of wetting agents to remediate soil rendered water repellent by effluent irrigation: from laboratory to field

Hebrew University of Jerusalem | Advisor: Prof. Rony Wallach — Israel
MSc. Environmental Quality Sciences — 2017

Ladoke Akintola University of Technology — Nigeria
BTech. Agronomy — 2010

RESEARCH EXPERIENCE

Tennessee State University — Nashville, TN
Research Assistant Professor — 2025 - present

University of California Davis — Davis, CA
Postdoctoral Employee | Principal Investigator: Prof. Isaya Kisekka — 2022 - 2025

- CEAP Watershed Assessment Study: California Central Valley field assessment
  - Assessing the effectiveness of different conservation practices on nitrate leaching to groundwater.
  - Conducting field-scale assessments using novel monitoring systems (e.g., VMS) and numerical modeling to simulate the effects of conservation practices on nitrate leaching to groundwater.
  - Coordinating, writing, and submitting project reports to USDA NRCS and presenting findings at professional conferences.
- Evaluating the effectiveness of winter flooding as a management practice for mitigating high boron toxicity in almond orchards
  - Coordinating field preparation and flooding to leach boron from the root zone. Deploying electrical resistivity tomography to monitor soil water wetting front propagation. Utilizing EM-38 instrumentation to characterize changes in apparent electrical conductivity in the shallow root zone. Employing soil moisture, temperature, and EC sensors (Teros 12) to analyze infiltration and irrigation patterns. Employing HYDRUS 1D for a long-term prediction of outcomes.

Hebrew University of Jerusalem
Graduate Student Researcher | Advisor: Rony Wallach — 2017 – 2022
Remediation of soil water repellency using wetting agents

- Characterized soil water movement using electrical resistivity tomography. Developed methods for preferential flow pathway detection. Explored surfactant remediation for water-repellent soils and its impact on infiltration processes and soil water and nutrient distribution. Quantified the influence of changes in interfacial and surface tensions on infiltration rates.

PEER-REVIEWED PUBLICATIONS

1. **Ogunmokun, F.A.** and Wallach, R. (2024). Effect of surfactant surface and interfacial tension reduction on infiltration into hydrophobic porous media. *Geoderma,* 441, 116735
2. Aldughaishi, U., Grattan, S. R., Nicolas, F., Rao Peddinti, S., Bonfil, C., **Ogunmokun, F.**, Abou Najm, M., Nocco, M., & Kisekka, I. (2024). Assessing the impact of recycled water reuse on infiltration and soil structure. *Geoderma*, 452, 117103.
3. Guerra, A., Nicolas, F., Peddinti, S.R**., Ogunmokun, F.A.,** Kisekka, I. (2024). Evaluating a novel radio frequency-based soil moisture sensor under saline and imperfect installation. *Journal of Natural Resources and Agricultural Ecosystems,* 2(3), 119-128
4. Nicolas, F., Kamai, T., Ben-Gal, A., Ochoa, J., Daccache, A., **Ogunmokun, F.A**, and Kisekka, I., (2023). Assessing salinity impacts on crop yield and economic returns in the Central Valley. *Agricultural Water Management*, 287, 108463
5. Liu, Z., **Ogunmokun, F.A.**, and Wallach, R., (2022). Does biochar affect soil wettability and flow pattern? *Geoderma*, 417, 115826
6. **Ogunmokun, F.A.**, and Wallach, R., (2021). Remediating the adverse effects of treated wastewater irrigation by repeated on-surface surfactant application. *Water Resources Research*, 57, e2020WR029429
7. **Ogunmokun**, **F.A.**, Liu, Z., and Wallach, R., (2020). The influence of surfactant-application method on the effectiveness of water-repellent soil remediation. *Geoderma*, 362, 114081

SUBMITTED PEER-REVIEWED PUBLICATIONS

1. **Ogunmokun**, **F.A.** and Wallach, R. (2024). Assessing surfactant application through drip irrigation to alleviate soil water repellency. *Journal of Hydrology* (*under review*).
2. Do, J., Jeon, M.-G., Lee, K., **Ogunmokun, F.A.**, & Kisekka, I. (2024). Establishing the direction for sustainable agricultural water management: Focusing on surveying water resource management plans in California, USA, and South Korea. *Agricultural Water Management* (*under review*).

IN PREPARATION

1. **Ogunmokun, F.A.,** Osterman, G. K., Nicolas, F., Li, X., and Kisekka, I. Evaluating the efficacy of winter flooding for boron leaching in almond orchard root zones.
2. **Ogunmokun, F.A,** I., Bonfil, C., Harter, T., Kisekka, I. Assessing the effect of conservation practices on nitrate contamination in groundwater under intensive irrigated agriculture in California's Central Valley.

SELECTED CONFERENCE PRESENTATIONS

ORAL PRESENTATIONS

1. **Ogunmokun, F.A.,** Harter, T., & Kisekka, I., (2025). Assessing the effectiveness of conservation practices in mitigating nitrate leaching to groundwater in the Central Valley of California. *14th National Monitoring Conference (NWQMC)*. Green Bay, Wisconsin, USA.
2. Kisekka, I., Raij-Hoffman, I.R., **Ogunmokun, F.A.**, Lennon, W.L., Dahan, O.D., & Harter, T., (2025). Extreme weather impacts on nitrate leaching to groundwater: A field scale assessment in the Central

Valley. *Sixth International Interdisciplinary Conference on Land Use and Water Quality (LuWQ2025).* Aarhus, Denmark.

3. Harter, T.P., Jordan, S., McMenomey, D., **Ogunmokun, F.**, Kisekka, I., & Brown, P. (2025). Monitoring and assessment of nitrogen leaching in an irrigated orchard farm under semi-arid climate. *Sixth International Interdisciplinary Conference on Land Use and Water Quality (LuWQ2025).* Aarhus, Denmark.
4. **Ogunmokun, F.A.,** Harter, T., & Kisekka, I., (2024). Assessing the effect of irrigation and fertilization practices on nonpoint source nitrate leaching into groundwater. *American Geophysical Union (AGU)*, Washinton, D.C. USA.
5. Spencer, J., **Ogunmokun, F.A.,** & Harter, T (2024). Calibration of a Vadose Zone Crop Model to Accurately Simulate Groundwater Nitrate Heterogeneity and Leaching Response to an Agricultural BMP. *American Geophysical Union (AGU),* Washinton, D.C. USA.
6. **Ogunmokun, F.A.,** Jordan, S., Bonfil, C., Armstrong, C., Mcmenomey, D., Oker, T.E., Brown, P.H., Harter, T., & Kisekka, I., (2024). Assessing the effectiveness of conservation practices for mitigating nitrate leaching to groundwater in the Central Valley of California. *ASA, CSSA and SSSA Annual Meeting*, San Antonio, TX, USA.
7. **Ogunmokun, F.A.,** Bonfil, C., Nicolas, F., Mcmenomey, D., Lennon, W.N., Harter, T., & Kisekka, I., (2024). Evaluating the impact of sunflower cultivation on nitrate leaching into groundwater in the central valley: a conservation assessment. *UC Davis 9th Postdoctoral Research Symposium*, Davis, CA, USA.
8. Nicolas, F., **Ogunmokun, F.A.,** Jeong, J., Park, S., Dahlke, H., Harter, T., & Kisekka, I., (2024). Field-scale assessment of conservation practices effectiveness in mitigating nitrate leaching to groundwater using APEX. *ASABE Annual International Meeting*, Anaheim, CA, USA.
9. Peddinti, R. S., Chen, C., **Ogunmokun, F.A.,** Sapkota, A., Roby, M., & Kisekka, I., (2024). Field-scale estimation of soil hydraulic properties in cover versus non-cover cropped orchards through integrated cosmic ray and HYDRUS modeling. *ASABE Annual International Meeting*, Anaheim, CA, USA.
10. Raij-Hoffman, I., **Ogunmokun, F.A.,** Bonfil, C., Gurevich, H., Amstrong, T., Haynes, H., Lennon, W., Brown, P., Harter, T., & Kisekka, I., (2024). Groundwater contamination from nitrates in the intensively irrigated California Central Valley. *International Conference on Water Resources Management and Sustainability: Solutions for Arid Regions (WARMS-2024)*, Dubai, UAE.
11. Kisekka, I., Hillyer, C., **Ogunmokun, F.A.,** Longley, K., Nocco, M. A., Brown, P., Bradford, S. A., & Harter, T., (2023). Groundwater and sustainable agricultural systems under a changing climate in the southwest us. *American Geophysical Union (AGU)*, San Francisco, CA, USA. (Invited Talk)
12. Kisekka, I., Raij-Hoffman, I., Bonfil, C., **Ogunmokun, F.A.,** Lennon, W., Nicolas, F., & Harter, T., (2023). Field-scale assessment of conservation practice effectiveness in reducing nitrate leaching to groundwater in the Central Valley aquifer system. *USDA NRCS Conservation Effectiveness Assessment Project (CEAP) Showcase*, Des Moines, IA, USA.
13. Kisekka, I., Hillyer, C., Lazcano, C., **Ogunmokun, F.A.,** Longley, K., Jessoe, K., Nocco, M., Shukla, M., Brown, P., Megdal., Ostoja, S., Bradford, S., & Harter, T., (2023). Southwest groundwater and agricultural sustainability. *University Council on Water Resources (UCWOR)*, Fort Collins, CO, USA.
14. Nicolas, F., Kamai, T., Ben-Gal, A., Ochoa, J., Daccache, A., **Ogunmokun, F.A.,** & Kisekka, I., (2023). Quantitative modelling of the impacts of irrigation water salinity on crop yield and

profitability: case study of groundwater quality used for irrigation in California's Central Valley. *University Council on Water Resources (UCWOR)*, Fort Collins, CO, USA.

15. Kisekka, I., Raij-Hoffman, I., **Ogunmokun, F.A.,** Bonfil, C., Lennon, W., Nicolas, F., & Harter, T., (2023). Central Valley Groundwater Basin: Nitrate leaching field scale assessment tools. *USDA NRCS Conservation Effectiveness Assessment Project (CEAP) Workshop*, Davis, CA, USA.
16. **Ogunmokun, F.A.,** Wallach, R., (2022). Understanding the dynamics of surfactants application on infiltration into hydrophobic porous media. *American Geophysical Union (AGU)*, Chicago, IL, USA.
17. **Ogunmokun, F.A.,** (2022). Remediating the adverse effects of treated wastewater irrigation by repeated on-surface surfactant application. *Partnership for Sustainability Conference*, Rehovot, Israel.
18. **Ogunmokun, F.A,** Wallach, R., (2022). Surfactant application via drippers for water repellent soil remediation enhances agrochemicals leaching through preferential flow pathways. *European Geosciences Union (EGU)*, Vienna, Austria.
19. **Ogunmokun, F.A.,** Wallach, R., (2021). Remediation of intrinsic preferential flow pathways in water repellent soils' profile using surfactant. *European Geosciences Union (EGU)*, Vienna, Austria.
20. **Ogunmokun, F.A.,** Wallach, R., (2020). The influence of surfactant-application method on remediating treated wastewater induced soil water repellency, *Grand Water Research Institute (GWRI) student conference*, Technion, Israel.
21. **Ogunmokun, F.A.,** Wallach, R., (2020). The effect of surfactant treatment on soil moisture and agrochemical distributions in water repellent soils, *Israel Soil Science Society Convention*, Israel.

POSTER PRESENTATIONS

1. Jordan, S., **Ogunmokun, F.A.,** & Harter, T., (2024). Calibration of a vadose zone crop model to accurately simulate groundwater nitrate heterogeneity and leaching response to an agricultural BMP. *American Geophysical Union (AGU)*, Washinton, D.C. USA.
2. **Ogunmokun, F.A.,** Jordan, S., W., I., Bonfil, C., Harter, T., & Kisekka, I., (2024). Monitoring nitrate contamination in groundwater under intensive irrigated agriculture in California's Central Valley. *79th Soil and Water Conservation Society Conference*, Myrtle Beach, SC, USA.
3. Osterman, G., Li, X., Arboleda Zapata, M., Dahlke, H., **Ogunmokun, F.A.,** & Bradford, S. (2024). Geophysical methods for quantifying groundwater recharge: challenges and opportunities. *International Meeting for Applied Geoscience & Energy*, Houston, TX, USA.
4. **Ogunmokun, F.A.,** Raij-Hoffman, I., Bonfil, C., Nicolas, F., Mcmenomey, D., Harter, T., & Kisekka, I., (2024). Assessing the effectiveness of sunflower production conservation practices in reducing nitrate leaching into groundwater. *Toward Sustainable Groundwater in Agriculture: 3rd International Conference Linking Science and Policy*, San Francisco, CA, USA.
5. **Ogunmokun, F.A,** Osterman, G. K., Nicolas, F., Li, X., Zapata, M., & Kisekka, I., (2024). Assessing the effectiveness of winter flooding in leaching boron out of the root zone of almond orchards. *Second Annual USDA-NIFA SW GW Symposium*, Tempe, AZ, USA.
6. Bonfil. C., **Ogunmokun, F.A,** Dahlke, H. E., & Kisekka, I., (2024). Assessing Soil Nitrate Sensing Protocols Based on Electrochemical and Optical Sensors. *Second Annual USDA-NIFA SW GW Symposium*, Tempe, AZ, USA.
7. **Ogunmokun, F.A.,** Osterman, G. K., Nicolas, F., Li, X., Zapata, M., & Kisekka, I., (2023). Assessing the effectiveness of winter flooding in leaching boron out of the root zone of almond orchards. *American Geophysical Union (AGU)*, San Francisco, CA, USA.

8. **Ogunmokun, F.A.,** Raij-Hoffman, I., Bonfil, C., Lennon, W., Nicolas, F., Harter, T., Kisekka, I., (2023). Groundwater contamination from nitrates in the intensively irrigated California Central Valley. *FREP/WPH Nutrient Management Conference*, Modesto, CA, USA.
9. Bonfil. C., **Ogunmokun, F.A.,** Dahlke, H.E., & Kisekka, I., (2023). Assessing soil nitrate sensing protocols based on electrochemical and optical sensors. *American Geophysical Union (AGU)*, San Francisco, CA, USA.
10. Lennon, W., **Ogunmokun, F.A.,** Harter, T., Hoffman, I.R., & Kisekka, I., (2023). Evaluating the performance of a deep vadose zone monitoring system using bromide as tracer. *American Geophysical Union (AGU)*, San Francisco, CA, USA.
11. Jordan, S., Haynes, H., Lennon, W., Armstrong, C., **Ogunmokun, F.A.,** H., Harter, T., & Brown, P., (2023). Quantifying uncertainty in evapotranspiration and irrigation estimates using a non-point source agricultural contaminant transport model and a densely instrumented almond orchard in the Central Valley, CA. *American Geophysical Union (AGU)*, San Francisco, CA, USA.
12. Bonfil, C., **Ogunmokun, F.A.,** Isaya Kisekka 1,2 Evaluating soil nitrate detection methods using electrochemical and optical sensors. *FREP/WPH Nutrient Management Conference*, Modesto, CA, USA.
13. Li, X., Zapata, M., Osterman, G. K., Bradford, S. A., Dahlke, H. E., **Ogunmokun, F.A.,** & Kisekka, I., (2023). Delineating the wetting front in an almond orchard by sparse norm regularized electrical resistivity tomography inversion. *American Geophysical Union (AGU),* San Francisco, CA, USA.
14. Bonfil, C., **Ogunmokun, F.A.,** Lahann, L., Koh, S., Arias, A.C., & Kisekka, I., (2023). Potentiometric nitrate sensors for in-situ and continuous monitoring of soil nitrate. *AI Institute for Food Systems (AIFS) Conference*, Davis, CA, USA.
15. Lahann, L., Goodrich, P., Bonfil, C., Ogunmokun, F.A, Koh, S., Arvin, S., Baumbauer, C., Kisekka, I., & Arias, A.C., (2023). Printed potentiometric nitrate sensors for continuous soil monitoring. *AI Institute for Food Systems (AIFS) Conference*, Davis, CA, USA.
16. **Ogunmokun, F.A.,** Osterman, G., Zapata, M., Li, X., Nicola, F., Ward, K., & Kisekka, I., (2023). Evaluation of winter flooding as a management practice for mitigating boron toxicity in almond orchards. *University Council on Water Resources (UCWOR)*, Fort Collins, CO, USA.
17. Bonfil, C., Ogunmokun, F.A, Goodrich, P.J., Baumbauer, C.L., Lahann, L., Koh, S., Arias, C.A., & Kisekka, I., (2023). Evaluation of potentiometric soil nitrate sensor for detecting nitrate transport in porous media. *University Council on Water Resources (UCWOR)*, Fort Collins, CO, USA.
18. **Ogunmokun, F.A.,** Wallach, R., (2020). Induced uneven spatial distribution of agrochemicals due to preferential flow in water repellent soils and its remediation by surfactant. *European Geosciences Union (EGU)*, Vienna, Austria.
19. **Ogunmokun, F.A.,** Wallach, R., (2019). The influence of surfactant-application method on the effectiveness of water-repellent soil remediation*, Israel Soil Science Society Convention*, Sede Boker, Israel.

PROFESSIONAL SKILLS

Programming/Software/Models: MATLAB, R-language, Python, JMP, ArcGIS Pro, ImageJ, Eddy Pro, HYDRUS, APEX, SWAT+.

Instrumentation and special skills: Geophysical Instruments like Electrical Resistivity Tomography, EM-38, and NMRs; UV-VIS Spectrometers (wet labs), Rheometer, Laser Scattering Particle Size Analyzers (particle size distribution); Vadose Zone Monitoring Systems; Goniometers (surface characterization); Eddy Covariance Flux Towers (water and gas fluxes); Neutron Probe (soil moisture measurements); Statistical Analysis, Image Processing.

PROFESSIONAL MEMBERSHIPS

Soil Science Society of America 2024
Soil and Water Conservation Society 2024
American Geophysical Union 2022 – Present
- Technical Committee Member | Soils Processes and Critical Zone
- Technical Committee Member | Unsaturated Zone

European Geosciences Union 2020 – Present
Israel Soil Science Society 2019 – 2022

AWARDS AND HONORS

1. Emerging Leader, Soil and Water Conservation Society (SWCS) 2024 – 2025
2. UC Davis Postdoctoral Travel Award 2024
3. Hebrew University of Jerusalem Travel Award 2022
4. Hebrew University of Jerusalem Graduate Student Scholarship 2017 – 2022
5. PEARS Foundation Scholarship 2014 – 2016
6. Ijesa Federation Scholarship for Excellent Students 2009

GRANTS

1. **Research Grant |** Co-Principal Investigator 2026 – 2028
   CDFA – Fertilizer Research and Education Program ($300k)
2. **Research Grant |** Co-Principal Investigator 2024 – 2025
   California Tomato Research Institute ($21k)
3. **ICTP Physics Without Frontiers Roadshow Grant |** Principal Investigator 2024
   The Abdus Salam International Centre for Theoretical Physics ($2.2k)
4. **Research Grant |** Senior Personnel 2023 – 2027
   USDA NRCS CEAP Award # NR193A750023C016 ($800k)
5. **Research Grant |** Co-Principal Investigator 2023 – 2024
   California Tomato Research Institute ($15k)
6. **ICTP Physics Without Frontiers Roadshow Grant |** Principal Investigator 2022
The Abdus Salam International Centre for Theoretical Physics ($1.5k)

TEACHING EXPERIENCE AND MENTORING

COURSES

AGSC 2200 – Fundamentals of Soil Science (UG), 4 credits, *Springs* 2025 – Present
AGSC 4230 – Soil and Water Conservation and Management (UG), 4 Credits, *Falls* 2026 – Present

AGSC 5210 – Environmental Soil Physics (G), 4 credits, *Falls* 2026 – Present

GUEST LECTURES

California State University Fresno, CA
Guest Lecturer, *Introduction to Irrigated Soils* | Invited by Dr. Sangeeta Nov. 2024

California State University Fresno, CA
Guest Lecturer, *Introduction to Irrigated Soils* | Invited by Dr. Sangeeta Aug. 2023

INTERNATIONAL WORKSHOPS

Ladoke Akintola University of Technology, Oyo, NG
Lecturer, *Solute Transport in Porous Media: Theory to Modelling II* Feb. 2024

Ladoke Akintola University of Technology, Oyo, NG
Lecturer, *Solute Transport in Porous Media: Theory to Modelling I* Feb. 2022

MENTORING

Graduate students (4): Mentored three graduate students in the Department of Land, Air, and Water Resources Hydrology Program at UC Davis and one MSc student in the Soil and Water Sciences Department at the Hebrew University of Jerusalem.

1. Cassandra Bonfil | providing comprehensive guidance and mentorship towards her PhD research, assisting in experimental setup, results analysis, and presentations, resulting in her winning three prestigious student presentation contests, two hosted by the American Geophysical Union (AGU).
2. Charlie Chen | I collaborated with Charlie in developing a comprehensive research plan for his PhD, which he submitted to Meter Group. This resulted in a successful grant award of $10,000 for instrumentation. I continue to guide and assist him in refining his experimental design to ensure a successful outcome for his PhD thesis.
3. William N. Lennon | I mentored William in developing the experimental design for his MSc research project, which focused on evaluating the effectiveness of a vadose zone monitoring system utilizing bromide as a tracer. Additionally, I supported him while preparing his thesis and offered guidance on career advancement strategies.
4. Foeday Zinnah | guided him through his MSc research process as a continuation of my PhD work, ensuring continuity in research outcomes from experimental design to thesis completion.

Undergraduates (6): Mentored six undergraduate students in the Department of Land, Air, and Water Resources and Department of Biological and Agricultural Engineering at UC Davis. I offered assistance with research projects, coursework, and preparation for graduate studies or careers in environmental sciences.

1. Angelina Carabini | trained in soil and water sample collection and handling, measuring various elements in water and soil samples using UV Spectrophotometry, and calculating total C and N in plant biomass using a Costech ECS 4010 machine.
2. Ian Gomez | trained on taking soil and porewater samples, designing experiments, and working with a Neutron Probe.

3. Nicolas Almeida | trained to conduct fieldwork, calibrate a Neutron Probe, and measure soil moisture in situ.
4. Zixuan Gan | trained to measure soil particle size using the Laser Diffraction method and interpret the results. I also helped her prepare for grad school by ensuring she had all the necessary skills and supported her with writing her applications.
5. Matthew Maciosek | training on designing field experiments, taking soil samples, and coding with MATLAB for statistics and making figures.
6. Gento Shimamura | training on fieldwork procedures like soil sampling, sensor installation, etc.

OUTREACH AND ENGAGEMENT

1. **USDA SAS Project: Sustaining Groundwater and Irrigated Agriculture Project** 2022 - 2025
   - Organizing the project's annual symposium meetings, coordinating presentations, workshops, and discussions to facilitate knowledge sharing and networking among researchers, students, and stakeholders in CA, AZ and NM.
   - Preparing and disseminating quarterly newsletter, providing updates on ongoing research projects, recent publications, and advancements in project's goals to the general public.
   - Organizing and coordinating field days outreach for stakeholders in CA, NM and AZ
2. **The Joint Research Team for Korea's Agricultural Water Management Team** August 2024
   - Led a field tour for a South Korean research team at a pistachio orchard in California. The team included members from The Korean Society of Agricultural Engineers (KSAE), Korea Rural Community Corporation (KRC), Saman Corporation, and ISAN Corporation. Presented on the role of cover cropping in managing agricultural water demand and demonstrated data collection instruments such as eddy covariance flux towers, cosmic ray sensors, TDR sensors, drone-based NDVI and thermal sensing, sap flow sensors, flow meters, and neutron probe access tubes.
3. **Toward Sustainable Groundwater in Agriculture Conference Outreach** June 2024
   - Hosted and conducted a comprehensive field tour for delegates from the 3rd International Groundwater Conference at some of my research sites. Delivered an informative presentation on our various monitoring techniques in almond and tomato fields. Demonstrated the sample collection process for vadose zone monitoring and highlighted the importance of sustainable agricultural practices in groundwater management.
4. **4-H Water Wizard Program, San Mateo County** June 2023
   - Organized an engaging field day for about 70 fifth graders to explore urban farms and environmental concepts through interactive activities like groundwater modeling.
5. **Fertilizer Research and Education Program Outreach** Nov. 2023
   - Presented research findings at a grower's workshop, receiving positive feedback on the importance nutrient management work for agricultural sustainability.

LEADERSHIP AND SERVICE

Postdoctoral Scholars Association, University of California Davis Davis, CA
Chair 2024 – Present

- Initiating formal mentorship programs and career transition seminars, as well as promoting mental health resources for postdocs. Facilitating workshops, meetings, and networking events to enhance

professional skills and career development. Collaborating with university departments and external partners to create postdoc opportunities in academia, industry, and other sectors.

UC Davis Agricultural Water Center Davis, CA
Project Manager 2022 – Present

- Developing key project elements, tracking progress, and preparing reports for the $10M USDA NIFA Sustainable Agricultural Systems project: "Sustaining Groundwater and Irrigated Agriculture in the Southwestern United States under a Changing Climate."
- Developing and coordinating stakeholder engagement, community outreach, and project management and acting as a liaison between team members, community partners, stakeholders, and the wider public, fostering effective collaboration and communication among over 60 team members from diverse career stages and institutions.

Postdoctoral Scholars Association, University of California Davis Davis, CA
Career Development Officer 2022 – 2024

- Organizing workshops, seminars, and networking events to enhance professional skills and facilitate career advancement. Organizing annual postdoctoral research scholar's symposium for >800 UC Davis postdocs.

Graduation Commencement Ceremony, University of California Davis Davis, CA
Ambassador 2022 – Present

PhD Student Forum, Hebrew University of Jerusalem Rehovot, IL
Executive member 2019 – 2022

- Facilitated peer mentoring activities, writing retreats, and student conferences.

SCHOLARLY SERVICE

Reviewer, Vadose Zone Journal 2025 – Present
Reviewer, International Journal of Agriculture and Natural Resources 2025 – Present
Reviewer, Scientific Reports 2024 – Present
Reviewer, Proceedings of the National Academy of Sciences 2024 – Present
Reviewer, Journal of Irrigation Science 2023 – Present
Reviewer, Journal of Agricultural Water Management 2023 – Present
Reviewer, Environmental Earth Sciences 2023 – Present
Reviewer, Journal of Irrigation and Drainage Engineering 2023 – Present

ORGANIZED INTERNATIONAL WORKSHOP

Ladoke Akintola University of Technology, Oyo, NG

- School of Solute Transport in Porous Media I: Theory to Modelling Feb. 2024
  - https://indico.ictp.it/event/10619
- School of Solute Transport in Porous Media II: Theory to Modelling Feb. 2022
  - https://indico.ictp.it/event/9767/