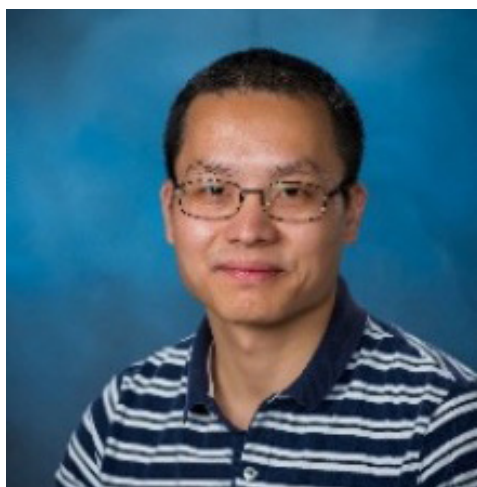


# UPCOMING CANDIDATE SEMINAR

*Candidate for Assistant/Associate  
Professor in Emerging Contaminants*

**FEBRUARY 28**

*Frazier Rogers 122, 10:30 a.m.*



## **Dr. Dengjun (Kevin) Wang**

**ASSISTANT PROFESSOR  
SCHOOL OF FISHERIES,  
AQUACULTURE & AQUATIC  
SCIENCES**

**COLLEGE OF AGRICULTURE  
AUBURN UNIVERSITY**

**WEDNESDAY, FEBRUARY 28  
ROG 122 • 10:30 A.M.**

**ZOOM LINK: [HTTPS://  
GO.UFL.EDU/RZLCERP](https://go.ufl.edu/rzlcelp)**

**PASSCODE: 160683**

## ***“Past, Current, and Future of Fate & Transport of Emerging Contaminants in Water and Soil”***

### **About the Seminar**

Contamination associated with increased complex inputs of agrochemicals (e.g., pesticides, fertilizers, veterinary drugs, and many others) during agricultural intensification adversely impacts sustainable agriculture, food security, and natural resources (e.g., water and soil). Understanding the fate and transport of contaminants in water and soil is critical to achieve sustainable agriculture and ensure food security, while protecting natural resources. During this seminar, I will use findings harnessed from my past and current projects to elaborate my scientific contribution to the fate and transport of contaminants in soil and water. Contaminants of the highest concerns such as per- and polyfluoroalkyl substances (PFAS), phosphorus (P), and microplastics will be discussed. New methodologies that provide novel insights to advance the knowledge of contaminant fate and transport in water and soil will be particularly emphasized. Afterwards, I will detail my vision of future research on emerging contaminants at UF. This will include the streamline of platforms for fate, transport, and remediation research for current and future emerging contaminants in water and soil. Tool-boxes including conventional experimentations, mathematical modeling, and new methodologies, powered by machine learning for data analytics and predictive tools, will be employed to address issues and challenges for future emerging contaminants. I will conclude this seminar with countless collaborative opportunities on emerging contaminants, water quality, hydrology, data analytics, and other central topics in ABE at UF.

### **About Dr. Dengjun (Kevin) Wang**

Dr. Wang is an Assistant Professor in the School of Fisheries, Aquaculture and Aquatic Sciences at Auburn University. Prior to Auburn, Dr. Wang was a postdoctoral researcher at the U.S. Environmental Protection Agency (EPA) and University of Delaware. Dr. Wang obtained his Ph.D. degree from the Institute of Soil Science, Chinese Academy of Sciences. Dr. Wang has devoted his career into the fate, transport, and remediation of contaminants in water and soil over 15 years. These include conventional contaminants such as phosphorus (P), but are more towards emerging contaminants regulated by U.S. EPA, including engineered nanomaterials, microplastics, and per- and polyfluoroalkyl substances (PFAS). Dr. Wang's research integrates field sampling, laboratory experimentation including innovative analytical methodologies, and mathematical modeling to further the knowledge of fate, transport, and remediation of contaminants in water and soil. Dr. Wang's research on emerging contaminants is actively supported by federal agencies such as U.S. EPA, DOD, USGS, and USDA.