

The Hooman's Research Group within the Civil and Environmental Engineering Department at Florida International University invites applications for an open Ph.D. position beginning in August 2024. The area focuses on sorption-based and advanced oxidation processes for the removal of per- and polyfluoroalkyl substances from impacted water streams.

### **Requirements**

- A master's degree in civil and/or environmental engineering or equivalent, with a solid foundation in chemistry and process engineering, is required. Candidates who have completed their coursework but have not yet finalized their master's thesis are **also eligible to apply** and are encouraged to conduct their thesis at FIU in collaboration with your current institution prior to commencing the Ph.D. program in my research group.
- Willingness to design and build bench and pilot-scale systems.
- Ability to work independently, mentor students, and collaborate in a team.
- Experience with analytical lab instruments (e.g., LC-MS, TOC analyzer) and proficiency in data analysis.
- Excellent written and spoken English.

### **Responsibilities**

- Experimental design, laboratory skills and data management
- Write scientific publications, reports, policy briefs, and guidelines
- Operate LC-MS systems
- Manage, operational, financial, and project reports

**How to apply:** Please send a single PDF to Dr. Hooman Vatankhah (homan.vatan@gmail.com). The PDF file should include CV, the contact details of two references, a research vision (one-page max), and, if available, copies of research papers or the Master thesis. Applications will be considered until the position has been filled.

**About FIU:** Located in the vibrant city of Miami, the Civil and Environmental Engineering program at FIU offers a dynamic and interdisciplinary learning environment. With a focus on innovation and real-world application, our program prepares students to address complex challenges in infrastructure, sustainability, and environmental preservation. Through hands-on learning experiences and industry partnerships, students gain the knowledge and skills needed to become leaders in their field. With its rich cultural heritage, stunning beaches, thriving arts scene, and bustling urban life, Miami offers an unparalleled lifestyle for students seeking a vibrant and diverse community.

### **Equal Opportunity**

FIU is committed to equal opportunity for all persons. FIU does not discriminate on the basis of age, sex, gender (including gender identity and gender expression), ancestry, creed, marital status, race, ethnicity, religion, national origin, disability, sexual orientation, genetic information, veterans' status or current military service. Further, FIU does not retaliate against community members for filing complaints regarding or implicating any of these protected statuses. FIU's commitment to nondiscrimination, affirmative action, equal opportunity and equal access is reflected in the administration of its policies, procedures, programs and activities and in its efforts to achieve a diverse student body and workforce. Through its policies, procedures and resources, FIU complies with federal law, Florida state law, administrative regulations, executive orders and other legal requirements to prevent discrimination (including harassment or retaliation) within the FIU campus community and to address potential allegations of inequity or concerns for safety.