

PhD Student Opportunity on Coastal Water Quality

I am recruiting a PhD student to join my research group in the [Civil and Environmental Engineering \(CEE\) Department](#) at [Florida State University \(FSU\)](#). The PhD student will receive a competitive stipend, full tuition waiver and benefits. The student can begin as early as Fall 2025 but no later than Spring 2026.

RESEARCH

The student will be primarily working on harmful algae blooms (HABs). A key aim is to advance the understanding of driving factors and dominant mechanisms of HABs under various environmental conditions. The research will support the development of mitigation and adaptation strategies. This research will support decisions, policies and plans that enhance the ecological resilience of coastal areas. The student will be given opportunities to collaborate with internationally recognized experts in the field from academia, government and private sector. The student is expected to publish the project findings in peer-reviewed journal articles. Opportunities will be also provided to the student to present the research at conferences.

REQUIRED/DESIRED QUALIFICATIONS AND SKILLS

- Holding a bachelor's (for direct PhD applicants) or master's degree in engineering (civil, water resources or environment), sciences (environmental, earth or computer) or any closely related field
- Prior research experience related to environmental and water resources issues
- Understanding the underlying processes related to HABs and pertinent water quality parameters
- Computer programming (R, MATLAB or Python), big data analytics, machine learning, remote sensing, water quality modeling, time series analyses and geospatial analyses (e.g., GIS)
- Strong analytical and quantitative skills
- Ability to work independently and collaboratively in a team, with strong communication, presentation (oral and written), and fast learning skills

ABOUT US

[My research lab](#) has projects funded by various agencies, including NASA, NSF, USDA, NASEM and EPA. FSU is classified by Carnegie as an R1 rank (Doctoral Universities — Highest Research Activity) in the capital of Florida, Tallahassee. The CEE Department is under [FAMU-FSU College of Engineering](#), a joint college between FSU and Florida A&M University (FAMU). The department is home to [the Resilient Infrastructure and Disaster Response \(RIDER\) Center](#), a highly interdisciplinary research center with several labs and facilities related to water resources, environment, construction and transportation. Tallahassee is also located within a short drive to multiple national parks and beaches, providing opportunities for outdoor activities.

Application Instructions

Priority consideration will be given to applications received by **July 31, 2025**, though the position will remain open until it is filled.

Required application materials:

- Curriculum Vitae (CV)
- Short cover letter
- Unofficial academic transcripts
- Unofficial English proficiency test (for non-native English speakers)
- Unofficial GRE scores
- Names and contact information of three professional references

Incomplete applications will not be considered.

Please note:

- **Applications must be submitted via [Google Application Form](#).** Email applications will **not** be considered. Due to the high volume of submissions, we may not be able to respond to individual email inquiries regarding application status.
- For specific questions, you may contact Dr. Ahmadisharaf at eahmadisharaf@eng.famu.fsu.edu.

Students should visit [FSU Graduate Admission](#) and [FAMU-FSU College of Engineering Graduate Admission](#) about the admission requirements and application deadlines.