





KENYA L. GOODSON, PH.D.

ENVIRONMENTAL PROFESSIONAL

CONTACT

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-  Tuscaloosa, AL 35401

SKILLS

Quantitative/Qualitative Analysis

Technical/Academic Writing

Research

Educational Programming

EDUCATION

Doctor of Philosophy

The University of Alabama

2005-2013

Civil Engineering/Water Resources
First African American Woman

Master of Science

Samford University

1998-1999

Environmental Management

Bachelor of Science

Stillman College

1993-1997

Chemistry
Minor: Mathematics

PROFILE

Environmental engineer, educator, scholar, and advocate with 20+ years of experience. Specialization in public health and water quality with a special interest in rural, low-income, and Black, Indigenous, and People of Color (BIPOC) communities. Five years experience in higher education instruction. Seven years experience in community outreach, political, and civic engagement.

WORK EXPERIENCE

Climate and Sustainability Coordinator

1+ years

Hometown Action/Hometown Organizing Project

- Organizes and manages volunteer climate team for recruitment and outreach of a climate and environmental justice base in Alabama to build political power.
- Manage climate outreach activities including canvasses, community gatherings, and direct action.
- Assists with the management of the Hometown Organizing Project's AL Climate Protection Project which incorporates building community protection teams
- Acts as liaison with disaster recovery long-term recovery committees in areas impacted by severe weather in Alabama
- Facilitates training sessions and presentations on HOP climate programs.
- Recruits volunteers for HOP AL Climate Projects and develop them for leadership roles
- Facilitates monthly climate team meetings using the Political Healers PIES practice.

Environmental Consultant

2+ years

- Assisted in providing data for the proposal for the Chesapeake & Atlantic Coastal Bay Trust Fund Grant.
 - Determined the most practical locations in the Northeast Branch of the Anacostia watershed in Greenbelt, MD for retrofitting Pave Drain stormwater best management practices.
 - Calculated data using the PaveDrain Model spreadsheet
- Project: Department of Energy and Environment's (DOE) Consolidated TMDL Implementation Plan (IP).
 - Provided technical and research support by compiling research data points on event mean concentrations based on land use/land cover and structural and non-structural best management practices (BMPs) from literature to determine implementation in the IP Modeling Tool.
 - Focused research on pollution reduction efficiencies of BMPs that will be implemented in the District.

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HIGHLIGHTS

- Fulbright Specialist 2023-2026
- Women's Policy Institute Fellow 2021
- Cecil Corbin Mark Vanguard Fellowship Program 2022
- Climate Reality Leadership Corp 2021
- Just Energy Academy 2020

EXPERTISE

- Water quality, water regulation, and water protection
- Public Health
- Facilitation of presentations (academic & non-academic), workshops, trainings, and panel discussions
- Lecturing/Teaching
- Qualitative and Quantitative analysis
- Academic and non-academic writing
- Lobbying federal legislators
- Community Organizing
- Voter engagement

ACADEMIC PROFILE

<https://orcid.org/0000-0002-7564-0905>

REFERENCES

Dr. Allison Upshaw

📞 678-392-8728

✉️ AllisonUpshawPhD@gmail.com

Dr. Nadia M Richardson

📞 205-401-7382

✉️ drnadiarichardson@outlook.com

WORK EXPERIENCE

Consultant

1+ years

- Produced employee surveys and questionnaires on demographics of companies' workforce, middle management, and executive leadership; employees' experiences, and strengths and weaknesses of DEI culture for tech Clients.
- Wrote analytics reports on the work culture of tech nationally and demographics of Big Tech companies; data and analysis from the survey and employees' recommendations.
- Conducted a qualitative analysis on a proprietary model from literature for a Company to use for a survey on the work culture and the diversity culture of the Client.
- Served as a faculty member for training programs on work culture, diversity, equity, inclusion (DEI), and unconscious bias. Conducted lectures, facilitated activities on content, and coordinated discussions for clients' employees with constructive feedback.

Educator

8 years

- BREEM STEM Mentor
 - Taught a three-day course on college readiness for research careers.
 - Discussed career options, graduate school admission requirements, preparation for entry, and networking with faculty members.
- Taught introductory Environmental Science as a general education requirement for science. (University of Montevallo and Brightwood College)
- Taught General Biology, Algebra I, and Life Science in class and online (Stillman College)
- Upward Bound Instructor
 - Taught supplementary physics and chemistry classes for the Upward Bound college preparatory program.
 - Provided individual tutorial assistance to students who have identified challenges with their school assignments.
- Chemistry Athletic Tutor
 - Tutored freshmen chemistry and elementary organic chemistry to student-athletes. Prepared tutorial sessions for midterms and finals.
- Student Lecturer-Effects and Fates of Hazardous Chemicals Released to the Environment; Applied Environmental Chemistry
- Independent Study: CE Course Design: Onsite Wastewater Systems

Research Scientist

5 years

University of Alabama

- Project: Treatability of Emerging Contaminants during Wet Weather Flows. Conducted research proposal that was a component of a comprehensive EPA study.
- Collected wastewater samples from dry and wet weather to statistically compare the treatability of emerging contaminants in wastewater during each condition.

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BOARD SERVICE

- **Vice-President**, Black Warrior Riverkeeper (2017-present)
- Conservation Alabama (2019-2023)
- **President-Elect, EDI Committee Co-Chair** Cahaba River Society (2020-present)
- Green Leadership Trust (2020-present)

RECOGNITIONS

- *Featured in Alabama Alumni Magazine-Class Notes-Water Powered* May/June 2023
- *Featured in Engineers and Scientists Acting Locally: A PhD Engineer Giving Back to Her Alabama Community* March 2021
- *Black History Maker of Alabama-WTUG: Dr. Kenya Goodson* February 2021
- *Volunteer Spotlight for CCL* 2019
- *Featured in "Six Intriguing People"-Tuscaloosa Magazine* Winter 2017
- *Featured in In the News: College of Engineering Alumni* September 2017
- **Dr. Kenya L. Goodson: The First African-American To Earn A Ph.D. in Civil Engineering from The University of Alabama;** *Southern Gazette, Southern Region of Delta Sigma Theta Sorority, Inc., p-21, Year 2013*

REFERENCES

Charles Scribner

📞 205-458-0095

✉️ cscribner@blackwarriorriver.org

Beth Stewart

📞 205-322-5326 ext 411

✉️ beths@cahabariversociety.org

WORK EXPERIENCE

Public Health Environmentalist

Alabama Department of Public Health

4+ years

- Evaluated soil tests and percolation tests to determine if soils were suitable for the installation of onsite sewage disposal systems.
- Inspected and issued conventional and engineered designed private onsite sewage disposal sanitary systems and (septic tanks).
- Conducted site assessments on the property to identify potable water sources, water bodies, drainage areas, and other potential areas vulnerable to exposure to sewage.

PUBLICATIONS

- Goodson, K.L. (2023), Dr. Kenya's Non-Linear Journey: The intersection of Science, Education, and Policy. Book Chapter in Empowering Women in STEM Series; Routledge Taylor & Francis Group July 2023
- Graves, J., & Jenkins, J. (2023), Environment Matters-About Environmental Scientist Dr. Kenya Goodson; That Could Be Me! 2022 Children's Book Series; Foundation for the Art and Science of Learning (FASL)
- Goodson, K.L. (2015), Pitt, R., & Clark, S., PAH Treatment in Wastewater Treatment Facilities during Wet and Dry Weather. Book Chapter in PAH and Water and Wastewater Treatment; CRC Taylor May 2015
- Pitt, R., Clark, S., Subramaniam, S., Goodson, K., Ogburn, O., Eppakayala, V., and Wilson, B. (2013). Identification and Treatment of Emerging Contaminants in Wet Weather Flows-Final EPA Report. The University of Alabama, Penn State University-Harrisburg, and Miles College. EPA Contract No: EP-C-07-014. July 2013

CONFERENCES

- Goodson, K. L.; "Science, Engineering, and Community Engagement-A Personal Story," American Geophysical Union Fall Meeting; New Orleans, LA & Online Everywhere, December 13-17, 2021
- Goodson, K. L., R. Pitt, S. Subramaniam, and S. Clark; "The Effect of Increased Flows on the Treatability of Emerging Contaminants in a Wastewater Treatment Plant during Rain Events," In Proceedings of the Water Environment Federation Technical Exhibition and Conference; New Orleans, LA, September 29-October 3, 2012
- Goodson, K.L., R. Pitt, S. Subramaniam, and S. Clark; "The Effects of Stormwater Infiltration on the Treatability of Emerging Contaminants in Conventional Wastewater Treatment Systems" In Proceedings of the Water Environment Federation Stormwater Symposium, Baltimore, Maryland, July 18-20, 2012

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REFERENCES

Dr. Miesha Williams

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CIVIC ENGAGEMENT

- Podcast: "Issues to consider in the 2020 Election" *Recultured Minds Podcast* November 2020
- "Community Forum on Trafficking" *Impact Nation Fellowship Church-Comm. Relations Coordinator*, January 2020
- Campaign to Elect Deborah Fowler for Tax Assessor, *Social Media Manager*, February 2018 to November 2018
- "Protecting Our Future" *Community Symposium Impact Nation Fellowship Church-Comm. Relations Coordinator*, March 2020
- "Candidates Speak Out" *Community Forum with 2018 Alabama General Election Candidates-Impact Nation Fellowship Church-Comm. Relations Coordinator* October 2018
- Campaign to Elect Doug Jones for U.S. Senate, Tuscaloosa, 2017
- "Show Up For Science" *Community Rally*, Monnish Park, April 21, 2017
- Executive Committee for Tuscaloosa County Democratic Party 2018-2020

CONFERENCES (CONT'D)

- Goodson, K.L., R. Pitt, S. Subramaniam, and S. Clark; "Evaluation of the Treatability of Pharmaceuticals, PAHs, and Pesticides during Wet Weather Flows in a Wastewater Treatment Plant." In *Proceedings of the World Environmental and Water Resources Congress*, Albuquerque, New Mexico, May 20-24, 2012
- Goodson, K.L., R. Pitt, S. Subramaniam, and S. Clark; "The Effect of Stormwater on the Wastewater Treatability: A Study of Targeted Emerging Contaminants at a Wastewater Treatment Plant." In *Proceedings of the International Stormwater and Urban Water Systems Conference*, Toronto, Canada, February 22-23, 2012
- Goodson, K.L., R. Pitt, S. Subramaniam, S. Clark; "Treatability of Emerging Contaminants in Wastewater under Wet Weather Conditions" In *Proceedings of the World Environmental and Water Resources Congress*; Palm Springs, CA; May 22-26, 2011

PROFESSIONAL PRESENTATIONS

- Panel: One Earth Film Festival: Into the Ice Documentary- March 2023
- Presentation: "Carbon Fee and Dividend for a Livable Future; Citizens' Climate Lobby-May 2021
- Panel: "Gaining Science & Technology Policy Experience outside of D.C.,"-Engineers & Scientists Acting Locally, April 2021
- Presentation: "Christ & Climate Change-The Role of the Church in Climate Action and Social Change"-Montevallo Presbyterian Church, February 2021
- Presentation: "Career Presentation for Minorities in Agricultural, Natural Resources, and Related Science-MANRRS"-Stillman College Upward Bound, November 2020
- Panel: "Anti Racism 101: Creating an Antiracist Classroom"-Wofford College, August 2020
- Talk Show: "Environmental Injustice in Alabama," *The Revolution with Ashley Wheat*; September 2018