



Name: Shayla Williams, Ph.D.

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Discipline: Environmental Microbiology

Subdiscipline(s): Aquatic Toxicology, Student Retention

Areas of Research: Toxicology, Microbial toxicology

Interests: Teaching, Mentorship, Women's Health

Skills: Organochlorine extraction techniques, toxicological responses at the cellular and organism level

Research Summary: My primary research focus is enhancing student learning through visual mediums. I have created a graphic novel that teaches concepts that students find difficult to grasp. I also seek to understand the correlation between student retention and self-efficacy. Finally, I engage students in practical research projects that interest them and are relevant to their lives. Examples include analyzing pesticides in local produce, and determining the effectiveness of natural vs. conventional products in treating ailments.

Key Words: Toxicology, Retention, Microbiology, Practical Skills, Environmental Science