

I am currently a second-year graduate research assistant at the University of Nevada, Las Vegas studying organic/polymer chemistry under Dr. Pradip K. Bhowmik. My projects include materials synthesis for battery applications including ionic liquids, fire retardants, and fluorescent dye probes for biological applications. A crucial approach for all of my projects include applying critical principles of green chemistry to promote environmentally-friendlier synthetic approaches.

I aspire to become a professor of materials science, specifically in organic and polymeric materials. Ultimately, I want to become actively involved in a research-related career to investigate new materials that offer the same or improved properties to replace commonly used materials that damage the environment and are harmful to human health. Creating a bridge between chemistry and the environment encourages a healthier interaction with our changing planet and modern society. My ambition stems from the global effort of conservation and sustainability of our planet.