

"I am a current junior in the University of Nevada, Las Vegas majoring in Biochemistry. Since Spring of 2020, I have been working with Dr. Pradip Bhowmik as an undergraduate researcher where I synthesize, purify, and characterize novel organic compounds for their use in extensive applications such as biosensors and discovering new alternatives relevant to green chemistry. Currently, I serve as a Supplemental Instruction leader for organic chemistry and a student teaching assistant for general chemistry labs, supporting my fellow peers in their academic and career goals.

In the future, I aspire to be a researcher in the field of materials chemistry, specifically for organic and polymeric materials. My research project, titled *Synthesis and Characterization of a Fire-Retardant Ionic Polymer*, focuses on the design of a novel polymer that possesses superior qualities in preventing potential fires with a wide range of applications, especially for the high-risk environments NASA astronauts are present in. I also wish to become an educator in the field of materials science to share my passions with others that want to advance their knowledge in the field and to spread awareness on the importance of environmentally conscious materials."