

# **Nicole Crowder**

**Associate Professor at University of Mary Washington**

Fredericksburg, VA, US

Nicole Crowder's research focuses on reducing carbon dioxide gases.

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## **Biography**

For Associate Professor of Chemistry Nicole Crowder, the solution to some of the world's toughest challenges might come from a few molecules. She is working with undergraduate students on projects aimed at reducing carbon dioxide through manipulating various substances. "It's about taking something that is viewed as a waste gas and turning it into something useful," Dr. Crowder said. Research in this area can have large potential implications, from turning carbon dioxide into alternate fuel sources to finding ways to remove the gas from the atmosphere. If the research of chemists advances, it could change the way scientists combat climate change in the next decade. She is an expert on inorganic chemistry, as well as biomedical implant applications, and has been instrumental in coordinating a Jepson Scholars science initiative at UMW, funded by the National Science Foundation, that addresses financial burdens and enhances the undergraduate experience for academically talented students interested in pursuing a major in biological sciences, chemistry, Earth and environmental sciences, or physics.

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## **Areas of Expertise**

Inorganic Chemistry, Chemistry

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## **Affiliations**

American Chemical Society

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## **Education**

**Princeton University**

Ph.D. Chemistry

**Sweet Briar College**

B.S. Chemistry, Modern Dance

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