

Organic synthesis of pyrrole- derived metal complexes and binding of pollutant ion

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Project Location:

Roger Williams University

Project Description:

Bioinspired catalysts have been developed to reduce highly oxidized pollutant ions, such as nitrate (NO_3^-). Our aim is to apply synthetic methods to form organometallic complexes, to assess the stability of such complexes, and evaluate the complexes' ability to detect/ reduce nitrate ions within aqueous samples, such as that of the Narragansett Bay ecosystem.

This project involves primarily lab work.

*This project involves **primarily lab or computer work***

Required/preferred skills for student applicant:

Prior laboratory experience with organic chemistry techniques is valued.

Student transportation needed for project?

No