



Featuring work from Prof. Briana Aguila at Francis Marion University and Dr. Quin R.S. Miller at Pacific Northwest National Laboratory on mineral carbonation in mafic-ultramafic rock as a carbon storage solution.

Emerging investigator series: kinetics of diopside reactivity for carbon mineralization in mafic-ultramafic rocks

The complex composition of the mineral diopside produces a multitude of carbonation pathways. Utilizing a suite of *in situ* X-ray diffraction experiments at conditions relevant to CO₂ storage, our results provide insight to interfacial mineral reactivity and contribute to commercial-scale CO₂ removal technologies.

As featured in:



See Briana Aguila,
Quin R. S. Miller *et al.*,
Environ. Sci.: Nano, 2023, **10**, 2672.