

JOHNPOL SLEIMAN

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Summary

PhD Student at the University of Rochester studying Geophysics. A confident presenter, business owner, and entrepreneur in diverse fields. A capable research fellow with over four years of applied research in physics and geochemistry. Skills in problem-solving, watershed management, data processing, and leadership developed through tutoring courses in geology and astronomy.

EDUCATION

University of Rochester, Rochester, NY
PhD in Geophysics expected May 2026

Furman University, Greenville, SC
B.S. in Physics
B.S. in Earth and Environmental Science

May 2021

Advisor: Christopher Romanek

Thesis: "Magnesian Calcite as a Paleoenvironmental Indicator"

Relevant Coursework (Current and Past): Astrophysics, Environmental Science, Thermo-Chemistry, Thermo-Physics, Geomorphology, Mineralogy and Petrology I & II, GIS, Ocean Climate Systems, Quantum Mechanics, Remote Sensing and Watershed hydrology.

EXPERIENCE

NASA Space Grant Research Recipient with Dr. Christopher Romanek

May 2020 – May 2021

Undergraduate Research

- Synthesized calcium carbonate under unique environmental conditions.
- Installed, calibrated and analyzed samples on Prodigy 7 ICP-OES

Furman Fellows Summer Research with Dr. David Moffett

June 2019 – August 2019

Undergraduate Research

- Conducted data analysis on Very Large Array radio data (4-Band, P-Band, and L-Band)
- Conducted data analysis on Green-Bank radio data (C-Band)

Jet Propulsion Laboratory Solar System Ambassador, Greenville, SC

December 2019 - Present

Public relations and Public speaker

Lab TA and Tutor, Furman University, Greenville, SC

August 2018 – May 2021

Department of Physics

- Wrote, directed, and collaborated 3D printing, Astronomy and General Physics 1 & 2 labs.

Lab TA and Tutor, Furman University, Greenville, SC

August 2019 – May 2021

Department of Earth and Environmental

- Assisted students identifying common silicate and non-silicate minerals with the petrographic microscope
- Prepared thin section and hand specimens for geology classes

Furman University Planetarium, Furman University, Greenville, SC

August 2018 – May 2021

Operated, conducted, and directed Planetarium talks and shows

- Ran and created Planetarium shows for various classes.

Furman Forensic Scholarship, Greenville, SC

January 2018 – May 2021

Founder and director of High School scholarship

- In charge of forming and maintaining a scholarship for high school students for Speech and Debate.
- Funded several high school student each year to attend the Speech and Debate National Tournament.

Cork and Tap, Greenville, SC

August 2019 – April 2021

Manager and business owner

- Creating profits and loss margins
- Cooperate Budgeting

AWARDS & SCHOLARSHIPS

Furman Bell Tower Scholarship recipient	Fall 2017 to May 2021
Furman's Deans list	Fall 2018 to May 2021
General Physics II award (<i>Furman Department of Physics</i>)	August 2018
Fluor Scholarship Program Scholarship	August 2018
Furman Fellows Summer Research Recipient	June 2019
NASA Space Grant recipient	January 2020
Sigma Pi Sigma Inductee (<i>Furman Department of Physics</i>)	January 2020
Quaternion Club Inductee (<i>Furman Secret Honor Society</i>)	April 2021
Wallace C. Fallaw Outstanding Senior Award (<i>Furman Department of Earth Science</i>)	January 2020

CONFERENCE ABSTRACTS

Sleiman, JohnPaul (2021) Magnesian Calcite as a Paleoenvironmental Indicator. *Virtual Furman Engaged 2021*.

Sleiman, J., and Romanek, C. (2021) Magnesian Calcite as a Paleoenvironmental Indicator. *National Conference on Undergraduate Research 2021*

Sleiman, J., and Romanek, C. (2021) Magnesian Calcite as a Paleoenvironmental Indicator. *GSA 2021 Southeastern Section Meeting 2021 meeting #70*

Pannuti, T., Van Daniker, R. E., Lacey, C., Moffett, D., Edenton, M., and Sleiman, J. (2020) New X-ray and Radio Observations of the Synchrotron X-ray-Dominated Galactic Supernova Remnant G32.4+0.1. *American Astronomical Society meeting #236*.

Van Daniker, R. E., Pannuti, T., Moffett, D., Edenton, M., Sleiman, J., and Lacey, C. (2020) An X-ray and Radio Analysis of the Peculiar Galactic Supernova Remnant G28.6-0.1. *American Astronomical Society meeting #236*.

Sleiman, J., Edenton, M., Van Daniker, E., Deneau, T., Pannuti, T., Moffett, D., and Lacey, C. (2020) L-Band and P-Band Observations of Galactic Supernova Remnants with Synchrotron X-Ray Dominated Spectra. *Virtual Furman Engaged 2020*.

Edenton, M., Sleiman, J., Van Daniker, E., Deneau, T., Pannuti, T., Moffett, D., and Lacey, C. (2020) L-Band and P-Band Observations of Galactic Supernova Remnants with Synchrotron X-Ray Dominated Spectra. *American Astronomical Society meeting #235*.

SKILLS

ARCGIS (Desktop and Pro), ICP-OES, XRD, SEM, Public Speaking, Production (Sound and Lighting), Watershed Management, Argumentative and Analytical Writing, Data Collection/Interpretation, Python, C++, Casa, Mathematica, DS9, inventory and sales.

Publications

Publication in process

Magnesian Calcite as a Paleoenvironmental Indicator Christopher F. Romanek and JohnPaul F. Sleiman.