

ADAM DEITSCH

PhD Student

Albany, NY 12226

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EDUCATION

PhD, University at Albany <i>Atmospheric Science</i> Graduate Advisor: Dr. Sara Lance	Expected May 2026 Albany, NY
BS, Broward College <i>Environmental Science, Physical Science Concentration</i> Undergraduate Advisor: Dr. David Serrano <i>magna cum laude</i>	May 2021 Davie, FL

RESEARCH INTERESTS

Air and Water Quality; Atmospheric Micro/Nanoplastics and PFAS; Effects of Anthropogenic Emissions and Waste on Weather and Climate Systems

HONORS AND AWARDS

American Meteorological Society Best Student Poster Presentation	February 2023
NCAS-M II Graduate Fellowship Cohort 1	2023 - 2025
NCAS-M Graduate Fellowship Cohort 5	2021 - 2023
National Science Foundation s-STEM "STRIDES" Scholarship	2019 - 2021

LICENSES AND CERTIFICATIONS

NASA Transform to Open Science Open Science Certification	December 2023
Climate Reality Project Certified Climate Reality Leader	September 2020
CLEO Institute Certified Climate Speaker	March 2020

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

International Association for Urban Climate Registered Member	April 2023 - Present
American Meteorological Society Graduate Student Member	August 2022 - Present
Florida Climate Institute Affiliate Member	August 2019 - Present

COMPUTER SKILLS

Proficient in Google Docs and Sheets; Microsoft Excel, Outlook, PowerPoint, and Word; TSI Aerosol Instrument Manager, Python

Basic knowledge in ArcMap, ArcGIS, ArcGIS Pro, R Studio

PEER-REVIEWED PUBLICATIONS AND PRESENTATIONS

Deitsch, A. M., Lawrence, C. E., Casson, P., Lance, S. M., Shafer, M. M., Offenberg, J. H., & Puchalski, M. A. (2024, January 31). *Per- and Polyfluoroalkyl Substances (PFAS) in Cloud Water and Precipitation Samples from Whiteface Mountain, NY*. [Poster Presentation]. American Meteorological Society 104th Annual Meeting, 26th Conference on Atmospheric Chemistry. <https://ams.confex.com/ams/104ANNUAL/meetingapp.cgi/Paper/439242>

Deitsch, A. M., Lawrence, C. E., Casson, P., Lance, S. M., Shafer, M. M., Offenberg, J. H., & Puchalski, M. A. (2023, October 26). *A Comparison of Persistent Pollutant Concentrations in Cloud Water and Precipitation Collected in the Adirondack Mountains*. [Oral Presentation]. National Atmospheric Deposition Program Fall Meeting and Scientific Symposium, Advances in Measurements of Atmospheric Pollution – Part 1. https://nadp.slh.wisc.edu/conf/2023/S4_05_Deitsch.html

Deitsch, A. M., Zhang, J., Vladar, A., Andrews, E., Quinn, P. K., Lance, S. M. (2022, January 9). *Assessing filter-based measurements for evidence of atmospheric micro- and nano-plastic (MNP) particulate matter through laboratory analysis*. [Poster Presentation]. American Meteorological Society 103rd Annual Meeting: 14th Conference on Environment and Health, Denver, CO. <https://ams.confex.com/ams/103ANNUAL/meetingapp.cgi/Paper/417589>

Deitsch, A. (2021, April 22). *Paxton series: the state soil of Massachusetts*. [Poster Presentation]. Broward College 2021 Student Research Symposium: Environmental Science, Davie, FL. <http://purl.flvc.org/broward/fd/BC3351>

Deitsch, A. (2020, June 15). *Determining the extent of saltwater influence on groundwater in Dr. Von D. Mizell-Eula State Park*. [Poster Presentation]. Broward College 2020 Student Research Symposium: Environmental Science, Davie, FL. <http://purl.flvc.org/broward/fd/BC747>

RELEVANT COURSEWORK

Mathematics

College Algebra (MAC1105); Pre-Calculus Algebra (MAC1140), Calculus & Analytical Geometry (MAC2311, MAC2312); Statistics (STA2023, PCB4454C); Trigonometry (MAC1114)

Biological Sciences

Biology (BSC2010, BSC2010L, BSC2011, BSC2011L); Ecology (PCB4043); Entomology (ENY3005, ENY3005L)

Chemistry

Atmospheric Chemistry (AATM507); General Chemistry (CHM1040, CHM1041, CHM1041L, CHM1046, CHM1046L)

Computer Programing

Data Analysis in Atmospheric & Environmental Sciences (AATM561), Geographical Information Systems (GIS1040C, GIS1042C), Geophysical Data Analysis & Visualization (AATM533)

Geological Sciences

Atmospheric Dynamics (AATM500), Boundary Layer Processes of Urban Environments (AATM629), Coastal Marine Science (GLY4731); Earth Science (ESC1000, ESC1000L); Environmental Geology (GLY4203); Global Environmental Change (GLY4746); Hydrogeology (GLY4820, GLY4820L); Oceanography (OCE3008); Soil Science (SWS3006); Weather, Climate Change, and Societal Impacts (AATM543)

Physics

Aerosol Physics (AATM515), Atmospheric Physics (AATM504, AATM505); General Physics with Calculus (PHY2048, PHY2048L, PHY2049, PHY2049L)

Scientific Writing

Science Communication (BSC4826)