

Amanda M. Grannas, PhD

Associate Vice Provost for Research; Professor, Department of Chemistry at Villanova University
Villanova, PA, US

Amanda Grannas, PhD is an expert in the study of snow and ice photochemistry, and the fate of organic pollutants in the Arctic.

Biography

Dr. Grannas has a diverse range of expertise and her recent research projects include the study of snow and ice photochemistry, the fate of organic pollutants in the Arctic, and the development of advanced analytical techniques used to study ice cores. She is a prominent and internationally known expert in snow chemistry and has participated in a number of field campaigns in both the Canadian and Alaskan Arctic and has included a number of Villanova students in her fieldwork.

Dr. Grannas has established a thriving research group focused on environmental and atmospheric chemistry and has mentored over 40 research students. She has a diverse range of expertise, and her recent projects include the study of snow and ice photochemistry, the fate of pharmaceutical and personal care products in local watersheds, and the development of advanced analytical techniques used to study ice cores. Below is an overview of Dr. Grannas' recent grants and publications.

Areas of Expertise

Arctic Science, Organic Pollutants, Snow and Ice Chemistry, Analytical Chemistry, Atmospheric Chemistry, Environmental Chemistry, Climate Change

Affiliations

Member of Board of Directors, Delaware Valley Science Council, 2012-2018, Member of numerous organizations, including the Council on Undergraduate Research, American Chemical Society (analytical and environmental division), American Geophysical Union and Association of Polar Early Career Scientists, Review for publications, including proceedings of the National Academic of Sciences, Environmental Science and Technology, Atmospheric Chemistry and Physics, Journal of Physical Chemistry and the Journal of Geophysical Research

Education

Purdue University
PhD

Juniata College
BS Chemistry and Mathematics

Select Accomplishments

Faculty Early Career Development Award

Awarded by National Science Foundation (NSF)

Henry Dreyfus Teacher-Scholar

Awarded by the Camille and Henry Dreyfus Foundation in 2013.

Award for Excellence in Undergraduate Teaching

Honored for Excellence in Undergraduate Teaching from the American Chemical Society (Philadelphia Section) in 2014.

Toyota Tapestry Award

Received the Toyota Tapestry Award for Excellence in Science Education in 2007.

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