

Delegation - Canada



Daniel (Dan) Reddy
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Graduate Scholar in Analytical Chemistry (3rd-year PhD)*



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UNIVERSITY

Daniel (Dan) Reddy received a BSc in Chemistry (*summa cum laude*) and BSc in Clinical Health (*summa cum laude*) from Liberty University (Lynchburg, Virginia) (2013-2017), as well as the James Lewis Howe Award from the Virginia – Blue Ridge Section of the American Chemical Society (ACS) and the Outstanding Chemistry Graduate Award from the Department of Biology and Chemistry at Liberty. Following Liberty, Dan received an MSc in Chemistry from Purdue University (West Lafayette, Indiana) (2018-2020), following which he received the National Nuclear Security Administration Graduate Fellowship from Pacific Northwest National Laboratory (Las Vegas, Nevada) (2020-2021). After the fellowship, Dan began a PhD at Queen's University (Kingston, Ontario) (2021-Present) under the supervision of Dr. Richard Oleschuk. At Queen's, Dan's research emphasizes green(er) analytical chemistry through (micro)droplets and intersects with related SDGs like Goals #3 and #12 to address global change-drivers by providing accessible techniques to minimize sample volumes and leverage the sensitive characterization power, both qualitative and quantitative, of mass spectrometry and microfluidics. In 2023, Dan was selected as a Vanier Canada Graduate Scholar in Analytical Chemistry; Dan's research has also been supported through three CMC Microsystems MNT Awards, a Sigma Xi Grant in Aid of Research, and recently the 2024 ACS Green Chemistry Institute's – Joseph Breen Memorial Fellowship. In service to the community, Dan founded and leads the Queen's University – International Student Chapter of the ACS (Q-ACS), receiving the 2023 Alma Mater Society's (AMS) – Jeffrey McCarthy Award for Significant Contributions to the Clubs Community and a 2024 ACS Leader Scholarship.