

# Sarah M. Harris

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## APPOINTMENTS

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2024-present	<b>Faculty Lecturer</b> McGill University Department of Geography
2024-present	<b>Academic Expert / Grader</b> Athabasca University Centre for Science
2023	<b>Teacher (casual)</b> Dawson College Department of Geography
2022	<b>Lecturer (casual)</b> Concordia University Department of Geography, Planning and Environment
2019-2021	<b>Lecturer (casual)</b> McGill University Department of Geography
2018-2021	<b>Postdoctoral Researcher</b> McGill University Department of Geography McGill Sustainability Systems Initiative
05/2021-01/2022 07/2019-12/2019	<i>Career break for maternity leave</i>

## EDUCATION

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2018	<b>Ph.D. Geography</b> <i>Atmospheric and Climate Science</i> University of California, Santa Barbara
2013	<b>M.A. Geography</b> University of California, Santa Barbara
2009	<b>B.A. Geography</b> <b>B.S. Psychology (biobehavioral concentration)</b> University of Vermont, Burlington, VT Recipient of the EBioMe scholarship from NSF

## TEACHING EXPERIENCE and DEVELOPMENT

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### Faculty Lecturer / Lecturer

Dept. of Geography | McGill University

Quantitative Methods (GEOG 351) | Winter 2025

*Upper-level undergraduate course that explores statistical methods used in geographic research, including spatial analysis, regression modeling, and hypothesis testing.*

Environmental Management (GEOG 302) | Autumn 2024

*Upper-level undergraduate course that explores the challenges, principles, and practices of contemporary environmental management from a geographic perspective.*

**Earth's Changing Surface (GEOG 272) | Winter 2021**

*Undergraduate course introducing students to landforms as products of geomorphic and geologic systems acting at and near the Earth's surface.*

**Global Places and Peoples (GEOG 210) | Winter 2020**

*Undergraduate course covering the basic concepts of human geography including topics such as maps and map-making, globalization, rural and urban environments, etc.*

**Global Change: Past, Present & Future (GEOG 205) | Winter 2019**

*Undergraduate course examining global physical changes from the start of the Quaternary Period to present time.*

**Academic Expert / Grader**

Centre for Science | Athabasca University

**Atmosphere, Weather, and Climate (365)**

*Undergraduate course that introduces students to physical principals and concepts of meteorology.*

**Lecturer**

Dept. of Geography, Planning and Environment | Concordia University

**Landform Evolution (GEOG 377) | Fall 2022 & Winter 2022**

*Undergraduate course that examines the processes behind Earth's landforms including landform development, evolution, as well as impacts of humans.*

**Introduction to Environmental Programming (GEOG 264) | Fall 2022**

*Undergraduate course that introduces students to the basic concepts of computer programming through the lens of environmental sciences.*

Dept. of Geography | University of California, Santa Barbara

**People, Place, and Environment (GEOG 5) | Fall 2016**

*Undergraduate course covering the basic concepts of human geography, with emphasis on people, place, and environment.*

**Oceans and Atmosphere (GEOG 3A) | Summer 2013**

*Undergraduate course that introduces students to Earth's atmosphere and ocean systems and explains their role in climate and weather patterns.*

**Teacher**

Dept. of Geography | Dawson College

**Advanced Studies in Geography (401) | Winter 2023**

*Fourth-level college course where students design and execute a term project in the realm of social sciences.*

**Introduction to Geography (102) | Winter 2023**

*College course that introduces students to the basic concepts of geography focusing on Earth's physical systems and linkages with the social world.*

**Summer Teaching Institute for Associates Certificate | Summer 2013**

Instructional Development | University of California, Santa Barbara

**Lead Teaching Assistant [awarded] | 2014-2015**

Dept. of Geography | University of California, Santa Barbara

*Provided guidance and support to geography graduate teaching assistants. Aided with training as well as creating course materials.*

## Teaching Assistant

Dept. of Geography | University of California, Santa Barbara

People, Place, and Environment (GEOG 5)	Winter 2017
	Summer 2015 / 2011
	Fall 2013 / 2010
Maps and Spatial Reasoning (GEOG W12)	Spring 2015 / 2013
Geography of Latin America (GEOG 155)	Winter 2015
Teaching Assistant Training (GEOG 500)	Fall 2014
Introduction to Meteorology (GEOG 110)	Winter 2014/2013/2012/2011
Tropical Meteorology (GEOG 133)	Fall 2012
Oceans and Atmosphere (GEOG 3A)	Fall 2011

## PUBLICATIONS

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- Harris, S.M. and L.M.V. Carvalho. 2021. Backward trajectories analysis of southern California atmospheric rivers. *Climate Research*. DOI: 10.3354/cr01657
- Harris, S.M. and L.M.V. Carvalho. 2017. Characteristics of southern California atmospheric rivers. *Theoretical and Applied Climatology*. DOI: 10.1007/s00704-017-2138-1

## AWARDS, FELLOWSHIPS, and HONORS

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- **Tom McKnight Student Paper Award** | 2016  
California Geographical Society
- **American Meteorological Society Student Conference Poster Session: 1<sup>st</sup> Place** | 2016  
American Meteorological Society
- **Outstanding Teaching Assistant Award (Nomination)**  
Academic Senate, University of California, Santa Barbara
- **University of California President's Dissertation Year Fellowship** | 2015  
University of California, Santa Barbara
- **Tom McKnight Student Paper Award** | 2015  
California Geographical Society
- **Geography Excellence in Teaching Award** | 2014  
Department of Geography, University of California, Santa Barbara

## PRESENTATIONS and POSTERS

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- Harris, S.M. 2019. Historical Climate Variability of Quebec. *Association of American Geographers Annual Meeting*. Washington, D.C., 2019. Session 049 Climate Variability and Atmospheric Change.
- Harris, S.M. and Carvalho, L.M.V. 2017. Precipitation analysis of Southern California atmospheric rivers. *Association of American Geographers Annual Meeting*. Boston, MA, 2017. *Chair*, Session 5232 United States Weather Changes.
- Harris, S.M. and Carvalho, L.M.V. 2016. HYSPLIT Model backwards trajectory analysis of Southern California atmospheric rivers. *American Geophysical Union Fall Meeting*. San Francisco, CA, 2016. Atmospheric sciences poster session.
- Harris, S.M. 2016. Backwards trajectory analysis of Southern California atmospheric rivers. *California Geographical Society Annual Conference*. San Jose State University, 2016. Graduate papers.
- Harris, S.M. and Carvalho, L.M.V. 2016. Investigating atmospheric rivers affecting southern California. *15<sup>th</sup> Annual Student Conference at the 96<sup>th</sup> American Meteorological Society Annual Meeting*. New Orleans, LA, 2016. Student conference poster session.

- Harris, S.M. and Carvalho, L.M.V. 2015. Identifying and characterizing atmospheric rivers impacting southern California. *American Geophysical Union Fall Meeting*. San Francisco, CA, 2015. Atmospheric sciences poster session.
- Harris, S.M. 2015. Characteristics of atmospheric rivers impacting southern California. *California Geographical Society Annual Conference*. Humboldt State University, 2015. *Chair*, graduate papers.
- Harris, S.M. and Carvalho, L.M.V. 2014. Atmospheric river development and effects on southern California. *American Geophysical Union Fall Meeting*. San Francisco, CA, 2014. Atmospheric sciences poster session.
- Harris, S.M., Carvalho, L.M.V., and Jones, C. 2013. Precipitation in Santa Barbara, CA on varying timescales and the relationships with the El Niño Southern Oscillation, the Madden-Julian Oscillation, and atmospheric rivers. *American Geophysical Union Fall Meeting*. San Francisco, CA, 2013. Atmospheric sciences poster session.
- Harris, S.M., Carvalho, L.M.V., and Jones, C. 2013. The variation and modulation of extreme precipitation in Santa Barbara on multiple timescales. *Association of American Geographers Annual Meeting*. Los Angeles, CA, 2013. *Chair*, climatology paper session.