

## JENNIFER RIVERS COLE

[www.jenniferriverscole.com](http://www.jenniferriverscole.com)  
[jscole@massart.edu](mailto:jscole@massart.edu)

### EDUCATION

**Syracuse University**

**Bard College**

**Smith College/Woods Hole MBL/BU Marine Program**

**University of Massachusetts Amherst**

**Simon's Rock College**

Ph.D. Earth Science  
M.S. Environmental Science  
Master's Research  
B.S. Environmental Science  
A.A. Liberal Arts

### ADMINISTRATIVE EXPERIENCE

**Sustainability Director**

**Massachusetts College of Art and Design**

present

Responsibilities: lead on Sustainability Governance Committee; foster faculty engagement; cosponsor programs with departments, conversations and curriculum planning with faculty; plan, produce, promote, and archive Sustainability Lecture Series; implement MassArt Climate Action Plan; create and write all articles in monthly newsletter; maintain/update Sustainability Initiative website; share Initiative work on within and outside of MassArt; advise minor students; manage Sustainability budget; planning and acquisition for Materials Library

**Town of Otis, MA**

present

**Conservation Commissioner**

Responsibilities: preside over 25,000 acres of land in an interdisciplinary panel of colleagues as we balance the built environment with protecting natural resources including biodiversity, municipal water supply, public spaces; reviewing proposed projects that occur bordering wetlands and other resource areas to ensure protection through both the MA Wetlands Protection Act and section 404 of the Federal Clean Water Act.

**Geological Society of America,**

2019 - present

Elected Member, Committee on Geology and Public Policy  
Geoheritage Committee, Diversity and Inclusion Committee;  
RISE (Respectful Inclusive Scientific Events) Liaison

Responsibilities: provide leadership to GSA by monitoring and assessing international, national, and regional science policy; formulating and recommending position statements; sponsoring policy-relevant activities; weighing in on public-policy issues involving the science of geology and the ability to develop, disseminate, and translate information from the geological science into useful forms for our members, the general public, and policymakers including US Congress.

## **Boston College**

2014 – 2020

Founding Director, Sustainability Program

Responsibilities: exclusively responsible for budget and hiring; developed and taught all courses; created benchmarking, 5- year, and 10-year plans; represented program at open houses, convocations, and graduations; supervised bachelor's theses; created interdisciplinary advisory board; ran field trips; supervised student clubs.

## **Northeastern University**

2004-2013

Interim Chair, Department of Earth and Environmental Sciences

Director, Environmental Studies Program

Responsibilities: exclusively responsible for all ESP functions; curriculum and program design; controlled budget; determined the strategic direction for the program; ongoing assessment of program effectiveness; hiring faculty and staff; advising students; supervising theses; liaison to Boston area employers; interfaced with facilities to integrate academic endeavors with infrastructure; created and taught courses; ran faculty meetings; organized and ran seminar series; directed environmental studies advisory panel; represented Northeastern to National Council for Science and the Environment; representative to the Council of Environmental Deans and Directors; established collaborative relationships for courses and student opportunities across colleges; created graduate and certificate programs; instituted online/distance educational opportunities; Faculty Senate member.

## **TEACHING EXPERIENCE**

### **Massachusetts College of Art and Design**

2018-present

2013 - present

**Associate Professor**, Math & Science Program

Courses: Climate Change Science, Energy in the 21<sup>st</sup> Century, Environmental Science, Wetlands Science and Policy, Eating and the Environment, Biological Form and Function, Natural Disasters in a Global Environment, Natural Resource Materials of Art, Directed Study

Committees/Service: Curriculum Committee, Head of Liberal Arts Liaison Initiative, Colleges of the Fenway

Sustainability Committee, Colleges of the Fenway Earth Day Planning Committee, MassArt Sustainability

Incubator, Muddy River Research Symposium Judge

### **Harvard University**

Preceptor, Earth and Planetary Sciences

Lecturer, Paulson School of Engineering and Applied Sciences

Lecturer, HES Sustainability and Global Development Practice Graduate Programs

Responsibilities: design curriculum and program, create marketing materials, write field guides, advise students, provide curricular support to tenured faculty, ongoing assessment of program effectiveness

Courses: How to Build a Habitable Planet, Energy: Problems, Perspectives, and Prospects, Natural Disasters, Wetlands in a Global Environment, Sustainability of Natural Resource Materials, Capstone

Awards: **Certificate of Distinction in Teaching**; four-time recipient of **Dean's Commendation for Extraordinary Teaching**; **ABL Connect Teaching Innovator Prize**

## **Johns Hopkins University**

present

### **Course Designer, Capstone Supervisor, Adjunct Professor**

School of Advanced International Studies, Masters in Sustainable Energy  
Courses: Systems Analysis for Sustainable Energy, Capstone Advisor

## **Norwich University**

2020-present

**Adjunct Professor**, Master of Arts Strategic Studies, Bachelor of Science Strategic Studies and Defense Analysis, Bachelor of Science National Security Studies, College of Graduate and Continuing Studies  
Courses: Environmental Science, Sustainability Science

## **Maryville University** 2020 - present Course Designer, Adjunct Professor

2020 - present

Course: Energy and Our World; Sustainable Agriculture

## **American Public University System/American Military University**

2020-present

**Adjunct Professor**, Master of Science Environmental Policy Management, BS Environmental Science  
Courses: Environmental Science; Environmental Ethics  
Committees: Academic Quality Committee (elected member); STEM Committee

## **Boston College**

2014 - 2020

Lecturer, Dept. Earth and Environmental Science

Lecturer, Woods College of Advancing

Visiting Research Scientist, Weston Observatory

Courses: Alternative Energy: Why Aren't We There Yet?, Energy in the 21<sup>st</sup> Century, Climate Change Solutions, Environmental Geoscience I, Environmental Geoscience II, Sustainability Science, Natural Disasters and Catastrophes, Eating and the Environment, Natural Resource Materials, Mobile Earth

Awards: **Certificate of Excellence in Online Education; Phi Beta Kappa Faculty Teaching Award**

## **Northeastern University**

2000 - 2013

Associate Academic Specialist, Department of Earth and Environmental Sciences

Adjunct Professor, Department of Civil and Environmental Engineering,

Co-creator and Director, Energy Systems Minor, Dept. Civil Envi Engineering

Adjunct Professor, Honors Program

Courses: Environmental Science, Sustainable Development, Wetlands (with lab), Introduction to College, Environment at Northeastern, Marine Resources, Biological Oceanography, Environmental Geology, Natural Disasters and Catastrophes, Methods of Inquiry: Wetlands Science and Policy, Eating and the Environment, Environmental Pollution, Senior Thesis, The Edible Environment, Physical Oceanography, Directed Study, Dynamic Earth (with lab), Hydrogeology (with lab), Groundwater Geochemistry (with lab), Hydrology, Water Resources, Groundwater Modeling, Alternative Energy: Why Aren't We There Yet?, Engineering Geology, Energy and the Environment

Award: **Excellence in Teaching** (5-time nominee, 1-time winner)

## **Tufts University**

2001 – present (nonconsecutive)

Lecturer, Medford, Massachusetts

Course: Hydrogeology with laboratory; Community and Population Ecology; Global Change Biology

**Syracuse University** 1995 - 1999

Lecturer, Teaching Assistant, Basketball Program Tutor, Football Program Tutor and Mentor  
Courses: Environmental Geology, Physical Geology, Historical Geology, Calculus, Biology

**CONSULTING EXPERIENCE**

**Department of Education, US Government**

2014

Harvard University Earth and Environmental Sciences Representative  
College Choice & Funding; Data sharing and consulting program for Ivy League colleges

**Town of Hingham, MA Conservation Commission**

2003 - 2012

Town Hydrogeologist and Expert Witness

**Weston & Sampson Engineers, Inc.**

1999-2000

Senior Hydrologist

**PUBLICATIONS**

**Rivers Cole, J.** and S. McCoskey, Comparative Economic and Sustainability Analysis of Meat Consumption in China vs. India. (in prep) submission to Sustainability Science, Practice, and Policy.

Troyer, D. and **Rivers Cole, J.** CLF Land Buffering Solution to Convert a Developed Area into a Constructed Wetland at the Motiva Port Arthur Petroleum Refinery. (2021 in prep) The Ram Review.

**Rivers Cole, J.** Preparing Petrochemical Processing Plants for Hurricanes: Reliability Engineering Geoscience. (2020) Abstracts Geological Society of America Northeast/Southeast Sectional Meeting, Reston, VA

**Rivers Cole, J.** and Fengyu, Li, Analyzing growth rate and trust data to find the most effective pathway to coronavirus containment. (2020) Submitted to: Journal of Emerging Infectious Diseases.

**Rivers Cole, J.** and Troyer, D., The Geoscience of Reliability Engineering: Preparing the Process Plant for Natural Disasters (2019) Hydrocarbon Processing, p. 39-41.

**Rivers Cole, J.** and McCoskey, S. Meat Consumption and the Environmental Unsustainability of Economic Growth: The case of China (2018) in Strongly Sustainable Societies: Organizing Human Activities on a Hot and Full Earth, ISBN: 9781351173643, Karl Johan Bonnedahl, editor. Routledge, 532 pp.

**Rivers Cole, J.** and Suzanne K. McCoskey (2018) The Impact of China's Increase in Meat Consumption on Global Climate Change: Questions of Economic Growth, International Trade, and Sustainability. National Council for Science and the Environment Abstracts, Annual Meeting 2016 Washington, DC.

**Rivers Cole, J.** The Campus Wells Program: preserving and re-tasking monitoring wells in Boston, MA from campus construction for environmental educational purposes. (2017) Case Studies in the Environment December 1 (1) 1-6; DOI: <https://doi.org/10.1525/cse.2017.sc.437990>.

**Rivers Cole, J.** and S. McCoskey Does Meat Consumption Follow a Kuznets Curve? (2014) Sustainability: Science, Practice, and Policy Special Issue "Sustainable Food Consumption: Current Trends, Policy Approaches, and Future Scenarios" (invited paper), Volume 9, Issue 2.

J. H Perkins, D. Blockstein, **J. Rivers Cole**, R. H. Knapp, C. Middlecamp, K. M. Saul, and S. Vincent (2014) Teaching and Learning about Energy: An Unprecedented Need for Change. Journal of Environmental Science and Studies, Volume 32, issue 2, 14.

**Rivers Cole, J.** and A. Govindarajan. (2013) Experiential Marine Science Education: Integrating Course and Field Experiences in the Department of Earth & Environmental Science, Northeastern University. (Abs) Cape to Cape: In the Hub of Marine Education. National Marine Educators Association Annual Conference. June 27-July 3, 2011.

**Rivers Cole, J.** (2008) Integrating Water Management for a Secure Water Future: Urban Hydrogeological Issues (abs) Massachusetts Water Research Center and UMass Extension 5<sup>th</sup> Annual Conference. Abstracts with Programs. 8 April 2008.

**Rivers Cole, J.** (2008) Using an Inner City Setting as the Format for a Hydrogeology Curriculum (abs) AAG Annual Meeting, Abstracts with Programs. 15 April 2008.

**Rivers Cole, J.** (2007) Groundwater in the Back Bay, An integrative learning tool (abs.) Geological Society of America National Meeting, Denver, Colorado, Abstracts with Programs Vol. 39, No. 6

**Rivers Cole, J.** (2007) Bringing the Natural World into the Curriculum (abs). Proceedings, Environmental Studies Summit, 2<sup>nd</sup> Annual Meeting, SUNY – Environmental Sciences and Forestry, Syracuse, NY.

**Rivers Cole, J. S.** and Rosen, P. S. (2007) Back Bay Groundwater Monitoring and Declining Water Levels (abs.), *in*, Faszewski, E. (ed.), Proceedings, Muddy River Research Symposium, Wheelock College.

Rosen, P. S. and **Rivers Cole, J.** (2007) Changing Environmental Conditions Recorded in Back Bay Sediments, Boston, MA (abs.), *in*, Faszewski, E. (ed.), Proceedings, Muddy River Research Symposium.

Chasar, L. S.; Chanton, J. P. ; Glaser, P. H. ; Siegel, D. I. ; **Rivers, J. S.** (2001) Radiocarbon and stable carbon isotopic evidence for transport and transformation of dissolved organic carbon, dissolved inorganic carbon, and CH<sub>4</sub> in a northern Minnesota peatland, Global Biogeochemical Cycles, 14, 2 p. 1095-1108.

**Rivers, J. S.** (1999) Probabilistic Analysis of Dam Failure: Coupling Dam Models in Dudley, MA. 1999 Mid Atlantic Council for Dam Safety Conference. Proceedings Vol. 23, No. 2. p. 16.

**Rivers, J. S.** (1999) Carbon dynamics, nutrient cycling, and the material properties of peat in the Glacial Lake Agassiz Peatlands, northern Minnesota. Doctoral Dissertation, Syracuse University, Syracuse NY.

**Rivers, J. S.** (1998) Shallow aquitards in peat in the red lake peatlands, northern Minnesota. 1998 GSA National Meeting, Toronto, Ontario, Canada. Proceedings of the Geological Society of America, Vol. 155, No. 8, p. 322.

**Rivers, J. S.** (1998) Using Computed Tomography to Evaluate Solute Transport and the Material Properties of Peat. 1998 GSA National Meeting, Toronto, Ontario, Canada. Proceedings of the Geological Society of America, Vol. 155, No. 8, p. 326.

**J. S. Rivers, D. I. Siegel, P. H. Glaser, L. S. Chasar, and J. P. Chanton** (1998) A stochastic appraisal of the annual inorganic and organic carbon budget of a large circumboreal peatland, Rapid River watershed, northern Minnesota. *Global Biogeochemical Cycles* 12,4 p.715 – 727.

**Rivers, J. S.** (1998) Temporal Nutrient Dynamics Associated with Groundwater Flow Regimes in a Bog and a Fen, Glacial Lake Agassiz Peatlands, Northern Minnesota, American Geophysical Union Spring Meeting, Boston, MA, EOS, Transactions, Vol. 79, No. 17, p. S103.

**Rivers, J. S.** (1998) Visualization and Quantification of Gas Bubbles Observed in-situ in Peat Cores Using MRI and CT Scans, American Geophysical Union National Meeting, Boston, MA EOS, Transactions, Vol. 79, No. 17, p. A320.

**Rivers, J. S.** (1997) A Stochastic Appraisal of the Annual Carbon Budget, Rapid River Watershed, Northern Minnesota GSA National Meeting, Salt Lake City, UT, Proceedings of the Geological Society of America, Vol. 154, No. 4, p. 885.

**Rivers, J. S.** (1997) Transient Changes in the Porewater Chemistry of a Large Raised Bog and a Fen, Glacial Lake Agassiz Peatlands, Northern Minnesota, AGU National Meeting, San Francisco, CA, EOS, Transactions Vol. 78, No. 11 p. S212.

**Rivers, J. S.** (1997) Coupling a 3-D Groundwater Flow Model for the Glacial Lake Agassiz Peatlands to Global Positioning System Data AGU National Meeting, San Francisco, CA, EOS, Vol. 228, p. 657.

**Rivers, J. S.** (1997) Vertical Oscillations in the Land Surface of Northern Peatlands Determined by Global Positioning Systems: A Physical Expression of Climate Change and Methane Cycling, AGU National Meeting, San Francisco, CA, EOS, Vol. 228, p. 652.

**Rivers, J. S.** (1996) Physiological Response of Opportunistic Macroalgae to Environmental Disturbance New England Algal Society National Meeting, Proceedings of NEAS, Vol. 21, p. 238.

**Rivers, J.S. & P. Peckol** (1995) Interactive effects of nitrogen and dissolved inorganic carbon on photosynthesis, growth, and ammonium uptake of the macroalgae *Cladophora vagabunda* and *Gracilaria tikvahiae*. *Marine Biology* 121:747-753.

**Rivers, J.S.** & P. Peckol (1995) Summer Decline of *Ulva lactuca* (Chlorophyta) in a eutrophic embayment: interactive effects of temperature and nitrogen availability? *Journal of Phycology* 31:223-228.

Peckol, P., & **J.S. Rivers** (1995) Physiological responses of the opportunistic macroalgae *Cladophora vagabunda* (L.) van den Hoek and *Gracilaria tikvahiae* (MacLachlan) to environmental disturbances associated with eutrophication. *Journal of Experimental Marine Biology and Ecology* 23:122-127.

Peckol, P., & **J.S. Rivers** (1995) Contribution by macroalgal mats to primary production of a shallow embayment under high and low nitrogen loading rates. *Estuarine and Coastal Shelf Science* 44:451-465.

Peckol, P., B. DeMeo-Anderson, **J.S. Rivers**, I. Valiela, M. Maldonado, & J. Yates (1994) Growth, nutrient uptake capacities and tissue constituents of the macroalgae, *Cladophora vagabunda* and *Gracilaria tikvahiae*, related to site-specific nitrogen loading rates. *Marine Biology* 121:175-185.

**Rivers, J. S.** (1994) Dissolved inorganic carbon and pH as factors influencing the photosynthetic performance and growth of the macroalgae *Cladophora vagabunda*, *Gracilaria tikvahiae*, and *Ulva lactuca*. Master's Thesis, Bard College, Annandale-on-the-Hudson, NY.

## BOOKS

Natural Disasters in a Global Environment, Anthony N. Penna and **Jennifer S. Rivers**, Wiley-Blackwell, New York, New York. ISBN: 978-1-118-25233-8, 2013

Wildfires: Earth in Action, Rebecca Rowell and Jennifer Rivers Cole, ABDO Publishing, Minneapolis, MN. ISBN:978-1-61783-943-6, 2016.

Volcanoes: Earth in Action, Lauren Coss and Jennifer Rivers Cole, ABDO Publishing, Minneapolis, MN. ISBN:978-1-61783-942-9, 2016.

Avalanches: Earth in Action, Wendy Lanier and Jennifer Rivers Cole, ABDO Publishing, Minneapolis, MN. ISBN: 978-1-61783-936-8, 2015.

Tornadoes: Earth in Action, Dale-Marie Bryan and Jennifer Rivers Cole, ABDO Publishing, Minneapolis, MN. ISBN: 978-1-61783-942-9, 2015.

## UNPUBLISHED TALKS

*over 300 invited unpublished talks, including:*

**Rivers Cole, J.** Sustainability of Animal Husbandry and Consumption in China. Boston College Undergraduate Research Conference, Boston Massachusetts, March 23, 2019.

**Rivers Cole, J.** The Economic and Sustainability Repercussions of Meat Consumption in China. Geological Society of America Section Meeting, Portland, Maine. March 16-20 2019.

**Rivers Cole, J** and Dooley, P. 2019 World Summit Conference. Greening Trade Shows in the Pharmaceutical and Medical Industries, Philadelphia, PA, February 23-26, 2019  
<https://www.worldcongress.com/events/BB19001/>

**Rivers Cole, J.** Unsustainability of Global Meat Consumption and Viable Alternatives. Association of Environmental Science and Studies Annual Meeting, Gibsonia, PA June 2018.

**Rivers Cole, J.** Animal Husbandry: Problems and Solutions. National Council for Science and the Environment Annual Meeting (CEDD) Washington, DC June 16 – 18, 2018.

**Rivers Cole, J.,** (2015) The Lisbon 1755 Earthquake: Disaster Planning and Preparedness, United States Environmental Protection Agency Invited Seminar Speaker. Boston MA.

**Rivers Cole, J.,** (2014) A Paradigm Shifts with the Plates: The Lisbon, Portugal Quadruple Disaster, Boston College Weston Observatory, Invited Seminar Speaker.

**Rivers Cole, J.,** (2014) Natural Disasters in a Global Environment, Harvard School of Environmental Management.

**Rivers Cole, J.,** and E. Grayson (2010) Water Resources and Sustainability of Saratoga Springs, NY. Massachusetts Water Resources and Research Commission Annual Meeting, Amherst, MA.

**Rivers Cole, J.** and T. Fritch (2009) How to Get into Graduate School. Fall Department Seminar for DEES.

Stone, M., and **J. Rivers Cole.** (2008) Obesity and Demographics. Northeastern University Honors Program Junior-Senior Poster Display. p. 46.

**Rivers Cole, J.S.** and Douglass, D. (2007) Climate Change: Science and Solutions. Northeastern University HEAT Symposium.

Housman, S., and **J. Rivers Cole.** (2006) Integrated Pest Management: Eating and the Environment. 2007 Northeastern University Honors Program Junior-Senior Poster Display. p. 101.

**Rivers, J.** (2001) A Stochastic Appraisal of the Annual Carbon Budget, Rapid River Watershed, Northern Minnesota, Northeastern University Dept. of Geology Seminar

**Rivers, J.** (1995) How to Succeed and Excel in Graduate School  
(Invited talk) Bard College Environmental Sciences Seminar Series

**Rivers, J.** (1995) Macroalgal Physiological Response to Eutrophication of Estuarine Waters Waquoit Bay National Estuarine Research Reserve Research Day

**Rivers, J.** (1994) Interactive Effects of Nitrogen and Dissolved Inorganic Carbon on Photosynthesis,



Growth, and Ammonium Uptake of the Macroalgae, *Cladophora vagabunda* and *Gracilaria tikvahiae*,  
Smith College Seminar Series

## **AWARDS AND GRANTS**

- Harvard University ABL Connect Teaching Innovator Prize 2020  
<https://ablconnect.harvard.edu/book/and-after-close-paper-reading-hydrogeology-edition>
- Harvard University Teaching Partnership 2019
- Secretary's Awards for Excellence in Energy and Environmental Education, Massachusetts Executive Office of Energy and Environmental Affairs 2015
- MassSaves Recycling Award – through Green Team, Roger Wellington School 2015
- Green Cup Energy Challenge First Place –Green Alliance, Belmont, MA 2014
- Northeastern University Provost's Office Grant for Undergraduate Team Research, Conservation Complex in Costa Rica 2011
- Northeastern University Dean's Office Grant for Travel to Saratoga Springs 2010
- Nalgene Student Grant - Bike Share Program 2009
- Sherman Fairchild Endowment grant for travel with students to Edmunds Maine 2008
- Sigma Delta Tau Outstanding Professor of Northeastern University 2008
- Nominated for Excellence in Teaching Award, Northeastern University 2007
- Excellence in Teaching Award, Northeastern University 2005
- Presidential Aspiration Award, Northeastern University 2004
- StudyWeb Academic Excellence Award for Web Notes of Natural Disasters Course  
[http://casdn.neu.edu/~geology/department/staff/cole/class\\_notes/1141/1141/27](http://casdn.neu.edu/~geology/department/staff/cole/class_notes/1141/1141/27) 2003
- Nominated for Excellence in Teaching Award, Northeastern University 2001
- Teaching Fellow – Center for Effective University Teaching, Northeastern 2000
- Association for Women in Science Travel Grant to Toronto, Canada 1999
- Newton E. Chute Award for Outstanding Graduate Student of the 1998
- Research Assistantship, Syracuse University 1994 - 1999
- Graduate Student Association grant for travel to AGU meeting, San Francisco, CA 1995
- Tuition Scholarship for Ph.D. studies at Syracuse University 1994-1996
- Graduate Student Association grant for travel to National GSA meeting, New Orleans, LA 1995
- Howard Hughes fellowship for research support in Belize, Central America 1994

## **WEBCASTS AND PANEL DISCUSSIONS**

*over 150 webcasts including:*

Webinar MassArt "Industrial Design and the End of the World" 2021 <https://youtu.be/K46njf1EAn4>  
<https://youtu.be/gKPRTa1jUnI>

"Let's Talk About Race" Somerville Community Access TV (repeat guest) 2021  
<https://www.listennotes.com/podcasts/lets-talk-about-race/lets-talk-about-race-9CEibeOPlzD/>

Webinar MassArt "Creating Queer Space," 2021

[https://massart.zoom.us/rec/play/TW-](https://massart.zoom.us/rec/play/TW-P0oOVup3QSmei8l74YpXPJCmivJrnD_q1rsi_3cgWlQrZ3Vgn_6ZKz1ldh7JjGGPpwMglZY2nSB80.dZuMRwZ5EFAUqelG)

[P0oOVup3QSmei8l74YpXPJCmivJrnD\\_q1rsi\\_3cgWlQrZ3Vgn\\_6ZKz1ldh7JjGGPpwMglZY2nSB80.dZuMRwZ5EFAUqelG](https://massart.zoom.us/rec/play/TW-P0oOVup3QSmei8l74YpXPJCmivJrnD_q1rsi_3cgWlQrZ3Vgn_6ZKz1ldh7JjGGPpwMglZY2nSB80.dZuMRwZ5EFAUqelG)

Webinar MassArt "Climate Change Winners and Losers," 2021 <https://youtu.be/K7KXB59IVrA>

Challenges Facing Renewable Energy Technologies in 2012: A panel-led discussion MIT/ H<sub>2</sub>O Boston Renewable Energy Sector, Cambridge Innovation Center, Kendall Square – invited panelist 2012

Moderator, Green Chemistry Panel Discussion, Northeastern University Sustainability Week 2009

What's Next for President-Elect Obama?: Northeastern Experts Offer Their Advice to America's 44<sup>th</sup> President. NUCast, Northeastern University's Live Webcast Panel Series 2008

United States Energy Independence: Is it Possible? NUCast, Northeastern University's Live Webcast Panel Series 2008

Power Panel, Agriculture and Human Health, Food Justice Week, Northeastern University 2012

## **RESEARCH EXPERIENCE**

**Research Assistant**, Department of Earth Sciences, Syracuse University 1995-1999 lab supervision, lab analyses, proposal writing, field work, manuscript preparation

**Research Associate**, Department of Biology, Smith College/ Woods Hole MBL 1992-1994 LMER- NSF grant studying the effects of eutrophication in estuarine systems in Falmouth MA

**Research Assistant**, Dept. of Environmental Science, University of Massachusetts, Amherst 1990 Classifying Dipteran larvae from the Belchertown, MA sewage treatment plant

**Research Assistant**, Department of Systematics, Cornell University 1989 studying the biotic composition of the Hudson River, Poughkeepsie, NY

**Research Assistant**, Biology Department, Simon's Rock College 1989 studying the larval fish population of tributaries to the Hudson River

**Research Assistant**, Natural Science Department, Simon's Rock College 1988 on a study to determine the effects of raw sewage on the William's River in W. Stockbridge, MA

## **BLOG**

Environmental Science Backyard Blog (contracted) Wiley Interscience

<http://wileyesbackyard.com/>

## **TECHNICAL SEMINARS**

Over 80 technical seminars including:

- Earthen Dams Technical Seminar, ASDSO, Matamoras, PA 1999
- Millennium High Performance Liquid Chromatography Training Seminar 1998
- Applied Hydrogeochemistry, Environmental Education Enterprises & 1997 Applied Contaminant Geochemistry, CNY Association for Professional Geologists 1997
- GIS Modeling, Land Margin Ecosystem Research National Meeting, Woods Hole, MA 1995
- Organic Contaminant Geochemistry, GSA National Meeting, New Orleans, LA 1996
- Hydrogeology & Geochemistry of Wetlands, GSA National Meeting, New Orleans 1996

## **SAFETY TRAINING**

- MA HAZWOPER 40-hour certification
- OSHA safety training Laboratory Standard 29 CFR 1910.1450
- OSHA Hazardous Waste Workers and Emergency Response, 1910.120
- MA Medical and Biological Waste Disposal, 105 CMR 480.00
- MA Hazardous Waste, 310 CMR 30.00
- NY Radiation Safety Training, Laboratory

## **PROFESSIONAL AFFILIATIONS (PAST & CURRENT)**

- Geological Society of America
  - Penrose Circle
  - Geoheritage Committee
  - Geoscience Education Committee
  - Geology and Public Policy Committee
- American Geophysical Union
- National Groundwater Association
- American Chemical Society
- Boston Society of Civil Engineers
- Society for Women Engineers
- Associate Member, Sigma-Xi Scientific Society
- Association for Women in Science
- International Society for Ecological Economics

## **SELECTED SERVICE**

- Session Chair, Economic, Energy, and Engineering Geology, Geological Society of America Northeast/Southeast Sectional Meeting, Reston, VA (2020)
- Harvard University, Faculty-to-Faculty Mentoring Natural Sciences (<https://teach.extension.harvard.edu/home>)

- Judge, Muddy River Research Symposium (3 years)
- Curriculum Committee (3 years) Liberal Arts Department, Massachusetts College of Art and Design
- Accreditation Panel (2 years) Liberal Arts Department, Massachusetts College of Art and Design Program Committee Member, Association of Environmental Studies and Science
- Council for Environmental Deans and Directors, National Council for Science and the Environment Co-coordinator, Green Committee, The Roger Wellington School
- Green Alliance, Belmont Public Schools
- Director, Belmont Public School Wellington Science Fair 2014/15
- Outreach/ Earth Rocks! Staff Scientist – Harvard Museum of Natural History
- Editorial Board Member, Journal of Earth Science Research
- Reviewer, Open Journal of Modern Hydrology
- Guest speaker nuSERVES 2009 Symposium, Northeastern University
- Moderator, NEU Sustainability Week, panel discussion with keynote speaker
- Conference Steering Committee, 6<sup>th</sup> Annual Conference, Water Dependencies in NE
- Massachusetts Water Resources Research Committee
- Advisory Board Member, International Affairs Program
- Faculty Advisor, Husky Energy Action Team
- Faculty Advisor, Students for Environmental Action
- Faculty Advisor, Northeastern University Vegetarians United
- Faculty Fellow, Northeastern, Dodge Hall
- Faculty Advisor, Northeastern University Terra Society
- Teaching Circle Fellow, Dean's Office, Northeastern University
- College Council Member, Northeastern University
- Experiential Education Cooperative Committee Member, Northeastern University Reviewer for Botanica Marina journal
- Reviewer for Prentice Hall publishing company (ten textbooks)
- Reviewer for the journal Wetlands
- Reviewer for Journal of Hydrology
- Reviewer for Water Resource Research
- Photographer for Five College Coastal and Marine Sciences
- Smith College Faculty House Fellow, Ziskin House
- Smith College Administrative Grievance Committee
- Boston Museum Science-by-Mail Mentoring Program
- Graduate Student Representative to the Faculty, Syracuse University Earth Sciences Judge for Greater Syracuse Scholastic Science Fair
- Graduate Student Organization Representative Earth Sciences Department, Syracuse University

## **SELECTED EXTRACURRICULAR ACTIVITIES**

- Treasurer, 201 Savin Hill Ave Condo Trust
- Classical Pianist
- Ultramarathoner (23 medals, trophies, monetary and other prizes)
- Past Editor and majority contributor Sommerville Road Runners newsletter "Running on Empty"
- Parent Teacher Association, The Boston Latin School
- Breed-Specific Dog Rescue
- Six-time winner of the Northeastern University Athletics Program Iditarod Challenge
- Fitness Instructor Substitute – The Kroc Center, Roxbury, MA
- Cross Country Coach, SJP2C Academy
- Soccer Coach, Dorchester Youth Soccer
- Volunteer, Harvard Institute, North Korean Women Refugees Transition Program
- Monthly Lecturer, Waterstone at the Circle Retirement Community, Maplewood Retirement Community
- Discussion Leader, Women's Book Group, Otis, MA

## **WEBSITES**

- [www.jenniferiverscole.com](http://www.jenniferiverscole.com)
- <https://www.extension.harvard.edu/faculty-directory/jennifer-cole>  
<https://massart.edu/faculty/jennifer-cole> <https://www.bc.edu/bc-web/schools/wcas/faculty-research/faculty-directory-folder/jennifer-cole.html> <https://www.linkedin.com/in/jenn-rivers-cole-461660b/>