



Hilary R. Mosher (nee Richardson)

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http://www.brockport.edu/envsci/Hilary_Richardson.htm

EXPERIENCE

SUNY College at Brockport, Brockport, NY

2002 – present

Instructional Support Technician (IST)

--Budgeting --ordering --hazardous waste liaison --maintenance of Dept. truck --record of mileage and usage --creation and maintenance of Dept website --promotions board plus all ISA functions.

Instructional Support Associate (ISA)

- Teach Introductory Environmental Science (ENV 202) lab sections to majors and non-majors.
- Help teach Marine Biology/Geology, January intersession, San Salvador Island, Bahamas.
- Engage students in proper field techniques for various lab exercises within the Department.
- Resolve problematic experiments and lab exercises to develop proper techniques for class.
- Supervise work study students.
- Advisor for the student club, Environmentally Conscious Organization for Society (ECOS).
- Website and promotional board creation and maintenance.
- Maintain budget, records, ordering and following up to ensure timely delivery and payment.
- Maintain records of Department truck usage, reported to the chairman quarterly.
- Maintain teaching labs --Dept equipment --perform audits --maintain record of inventory --order supplies as needed --assist faculty and graduate students in field work.

Graduate Teaching Assistant

--Microbiology (Bio323), Introductory Biology (Bio201), Principles of Biology (Bio111), and Anatomy and Physiology (Bio322). Implement lab protocol to enhance students learning regarding good lab practices, biology, and anatomy.

cGMP Validation L.L.C., Mission, KS

2000-2001

Consultant/ Project Coordinator.

--Provided technical expertise to leading research based global pharmaceutical corporation within the United States (Rouses Point, NY) and Canada (Montreal, Quebec). Responsible for preparing and executing equipment research and associated technical reports to comply with pharmaceutical guidelines and FDA current Good Manufacturing Practices. Responsibilities included but were not limited to: Creation of standard operating procedures, installation, operational and qualification protocols for utilities and manufacturing equipment. Execution and final review of completed protocols. Coordinated temperature mapping of several different systems including autoclaves, stability chambers, and humidity chambers. Interpreted plant schematics and diagrams for use in developing protocols and test system operations. Tested air and water quality within the plant.

GRANTS RECEIVED

- **United University Profession's Professional Development Award** March 2007- \$1000. Funding supported environmental conservation at a biological reserve in La Hesperia, Ecuador. June 2007.
- **Office of Graduate Studies Professional Development Award** July 2007- \$257. Funding supported environmental conservation of a primary cloud forest region in La Hesperia, Ecuador. June, 2007.
- **United University Profession's Professional Development.** March 2005 for \$657.00 to attend the New England Association of Environmental Biologists. Lake George, NY.

Hilary R. Mosher

COMMITTEES/OTHER

- *Campus Sustainability Task Force, Chairperson.* 2008 to present.
- *RochesterCares Inc. Board of Directors, Secretary, Chair-Marketing Committee.* 2007 to Present.
- *Roch Area Colleges Center for Exc. in Math and Science. Web content editor.* 8/07 to Present.
- *Keep America Beautiful, Task Force Member.* 4/08 – Present.
- *Volunteer Coordinator for Corporate Day of Service (USB and HSBC).* 2007 to Present.
- *Rochester Area Collegiate Recycling Summit Member.* 2005 to Present.
- *Women of Waste Committee Member.* 2006 to Present
- *Managing Environmental Safety and Health (MESH) Committee Member.* 4/05 to Present.
- *MESH sub committee on Green Campus Initiative.* 9/06 to Present.
- *Creation of Campus Assessment Report* quantifying campus' environmental impact. 2005.
- *Creation of 'Green Campus Initiative' (www.brockport.edu/gci) website.* 5/07 to Present.
- *Founding member of the Green Campus Initiative.* 2004 to Present.
- *RochesterCares Inc. Environmental Liaison and Event Coordinator.* 2007 to Present.
- *RochesterCares Inc. Volunteer Team Coordinator.* 2007 to Present.
- *Walk! Bike! Brockport! Committee member.* 2007 to Present.
- *Beach Captain for the American Littoral Society's International Coastal Cleanup.* 9/05 to Present.
- *Coordinator and Advisor for ECOS.* 7/04 to Present.
- *National Wildlife Federation Campus Ecology Campus Representative.* 2005 to Present.
- *SUNY Brockport Recyclemania coordinator.* 10/07 to Present.
- *Environmental Health and Safety Coordinator hiring committee member.* 11/05 to Present.

SEMINARS

- ✓ *Environmental seminars/workshops (Earth Day, Arbor Day, America Recycles Day, Canal Days, Issues in Stormwater, Stormwater Stenciling, Water Quality, Aquatic Debris, etc.)* 2004 – Present.
- ✓ *Pond Life: A look into the workings of a pond.* 2005 – present.
- ✓ *Children of Migrant Worker Program.* Girl Scouts of the Genesee Valley. 2006 – Present.
- ✓ *International Assoc. Great Lakes Rsrch.* U. of Waterloo, Waterloo, Canada. May 26-29, 2004.
- ✓ *46th Annual Great Lakes Research Consortium.* Syracuse University, Syracuse, NY. March 2003.
- ✓ *Scholar's Day.* SUNY College at Brockport. 2003-2004.
- ✓ *Conservation Education Field Days.* Cornell Cooperative Extension. June 13-14, 2003.

SKILLS

- Scientific and technical writing (IQ, OQ, PQ, SOPs, OM).
- Ability to work well with a diverse clientele base.
- Proficient public speaking skills and ability to present complex topics to various audiences.
- Word (45WPM), Excel, Power Point, Publisher, Dreamweaver, and SPSS.
- Ability to communicate in Spanish.
- Aquatic Experience: --Open water SCUBA certified --eighteen years of boating experience (driving, trailoring, launching and minor repair), --Junior Coast Guard Training. June 1989.
- Instrumentation: -- air, water and soil sampling techniques, water quality modeling, mass spectrometry, GC, ASE, experimental design and statistical analysis, spectrophotometer, flow meters, sediment corers/dredger, extraction methodology, Vernier, secchi disk, phyto/ichthyo/ zooplankton, invertebrate and fish collection and identification, and fisheries techniques.

EDUCATION

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| ▪ MPA GENERAL EMPHASIS 12/2009
SUNY Brockport, Brockport, NY 14420. GPA 3.70 | ▪ B.S. ENVIRONMENTAL SCIENCE 5/2000
SUNY Plattsburgh, Plattsburgh, NY 12901 |
| ▪ M.S. BIOLOGICAL SCIENCE 12/2004
SUNY Brockport, Brockport, NY 14420. GPA 3.70 | ▪ CERTIFICATION 12/1999
Advanced Topics in Environmental Science. |