

SUSAN M. ALLEN-GIL

Department of Environmental Studies & Sciences
Ithaca College
Ithaca, NY 14850

Telephone: (607) 274-1066
FAX: (607) 274-1131
EMAIL: sallen@ithaca.edu

Education

- Ph.D.** Toxicology, Oregon State University, Corvallis, OR. 1995.
M.E.M. School of Forestry and Environmental Studies, Duke University, Durham, NC. 1989
B. S. Saint Lawrence University, Canton, NY. Biology and Environmental Studies. 1984

Professional Experience

- **Full Professor, Department of Environmental Studies & Sciences**, Ithaca College. 2011-now
- **Chair, Department of Environmental Studies & Sciences**, Ithaca College. 2009-2012
Under my leadership, we have completely revised both the environmental studies and science majors and hired a tenure-eligible geographer.. Supervise administrative assistant and work study students.
- **Coordinator, Environmental Studies Program**, Ithaca College. 2006-present
Under my leadership, the program has nearly doubled the number of majors and attracted \$500,000 in external funding. Supervise administrative assistant and work study students.
- **Associate Professor**, Biology Department, Ithaca College. 2004-present
Nominated for CASE US Professor of the Year (2005)
- **Assistant Professor**, Biology Dept, Ithaca College. 1998-2004
Nominated for excellence in teaching (1999-2000)
- **National Research Council Postdoctoral Fellow**, U.S. Environmental Protection Agency, National Health and Ecology Effects Research Laboratory, Western Ecology Division. Advisor: D.H. Landers, 1995-1998.

Recently Courses Taught

Required Courses	Environmental Science and Technology	Introductory Environmental Seminar
		Environmental Capstone Course
Electives	Rainforests, Reefs and Ruins of Belize	Belize Immersion
	Sustainability in the Amazon	Topics in Environmental Policy: Indigenous Involvement
	Environmental Toxicology	Advanced Environmental Technologies
	Environmental Health & Medicine	Environmental Research
	Ecology of Aquatic Communities	

Grants

External Funding

- *Water Resources Institute, US Geological Survey (2015-2016)*
Collaborative research on “Emerging Organic Pollutants: From College Campuses to Cayuga Lake”, \$20,000
- *HSBC Foundation Commit-to-Change Grant (2008-2011)*
The Commitment to Change Ithaca College’s Environmental and Sustainability Model, for 9 individual components to enhance our educational and outreach mission. (\$500,000)
- *NATO, Public Diplomacy Division (2008)*
Lead editor for book on “Addressing Environmental Security through Innovative Educational Curricula”, Springer Publishers, (2,500 €)
- *NATO, Public Diplomacy Division (2007)*
Convene an Advanced Research Workshop on “Rethinking Higher Education to Meet the New Challenges of Environmental Security”, in Kharkiv, Ukraine. (50,000 €)
- *Christian Johnson Endeavor Foundation (2007)*
Support “Rethinking Higher Education to Meet the New Challenges of Environmental Security” Workshop , in Kharkiv, Ukraine. (\$4,500)
- *National Science Foundation, Course Curriculum & Laboratory Improvement (2002-2005)*
Applying Science to Sustainability (\$332,000 including matching funds)
- *National Science Foundation, Office of Polar Programs (1999-2002)*
Sources of organochlorine contamination in inland subsistence fisheries of northern Alaska: atmospheric vs. anadromous inputs (\$271,897)

Internal Funding

- *Instructional Development Grant Initiative (2016)*
Reviving ENV 380: Special Topics in Field Studies: Sustainability in the Amazon Basin (\$1364) To scout out a new site for the study abroad course
- *School of Humanities and Sciences Educational Grant Initiative (2012)*
Toxics in Cayuga Lake (\$1000) To fund student proposals through competitive process
- *School of Humanities and Sciences Educational Grant Initiative (2012)*
Building the Basin (\$400) To Make a large 3-D model of the Amazon Basin
- *School of Humanities and Sciences Educational Grant Initiative (2010)*
Gulf Oil Spill (\$1000) To help fund field trip to Louisiana
- *School of Humanities and Sciences Educational Grant Initiative (2009)*
Alumni in the Classroom: brought two alums to campus as part of Environmental Seminar course (\$700) (Steve Figgatt '08 and Nischint Sundar '04)
- *School of Humanities and Sciences Educational Grant Initiative (2008)*
Chemical Analysis of Soil and Sediment Samples from Ithaca's Old City Dump Environmental Toxicology course (\$815)
- *School of Humanities and Sciences Educational Grant Initiative (2008)*
Alumni in the Classroom: brought 7 alums to campus as part of Environmental Seminar course (\$720)
- *School of Humanities and Sciences Experiential Learning Grant (2008)*
Infusing Experiential Learning in Environmental Toxicology course (\$500)
- *Office of the Provost, Collaborative Project Grant (2008)*
Rethinking Higher Education from an International Environmental Perspective (\$750)
- *School of Humanities and Sciences Ithaca Fund (2006)*
To take students in Environmental Science on the M/V Handel research vessel on Cayuga Lake (\$400)
- *Office of the Provost Travel Grant (2005)*
To take students in Environmental Toxicology to the Society of Environmental Toxicology and Chemistry Annual Meeting (\$1400)
- *Title VI State Department Grant to Ithaca College (2005)*
To help integrate Latin American Studies into the IC curriculum by investigating opportunities in Oaxaca, Mexico (\$3650).
- *Office of the Provost, Instructional Development Fund Award (2004)*
Attend People and the Planet Conference in Calgary, \$1,200
- *Academic Project Grant (2002)*
Environmentally Safe Molluscicides for Use in Aquaculture, \$750
- *Instructional Development Fund Award (2001)*
Teaching Environmental Solutions and Sustainability, \$1,220
- *Summer Faculty Research Award (1999)*
Cumulative impacts of exogenous endocrine disruption and habitat degradation on freshwater fish, \$3,500
- *Academic Project Grant (1999)*
Cumulative impacts of exogenous endocrine disruption and habitat degradation on freshwater fish, \$750

Honors and Awards

- *Faculty Excellence Award, 2010*
- *CASE US Professor of the Year Nominee, 2005*
- *School of Humanities and Sciences Dean's Merit Award, 2003-2004, 2005-2006, 2007-2008*
- *Young Investigator Award, 1993-1994. National Academy of Sciences.*
- *Mellon Foundation Fellowship, 1987-1989.*
- *Thomas J. Watson Fellowship, 1984-1985. Fellowship selection based on "showing outstanding promise as a useful member of the world community".*

Publications

*Peer-reviewed journals: *student co-author*

Hill, L. L.*, J.S. Wunsch* and S. Allen-Gil.(Submitted 2012). An Undergraduate Perspective: The Risks and Benefits of Hydraulic Fracturing in New York State. *Journal of Environmental Studies and Sciences*.

Allen-Gil, S., L. Walker, G. Thomas, T. Shevory and E. Shapiro. 2005. Forming a community partnership to enhance education in sustainability. *International Journal of Sustainability in Higher Education*. 6(4): 392-402.

*Aldea., M. And S. Allen-Gil, 2005. Pokeweed (*Phytolacca americana*) as a Potential Molluscicide for Use in Aquaculture. *Bulletin of Environmental Chemistry and Toxicology* 74(5):822-829.

Allen-Gil, S.M., J. Ford, B.K. Lasorsa, M. Monetti, T. Vlasova, and D.H. Landers Heavy metal contamination in the Taimyr Peninsula, Siberian Arctic. 2003. *Science of the Total Environment*, 301: 119-138.

Palace, V.P., S.M. Allen-Gil, S.B. Brown, R.E. Evans, D.A. Metner, D.H. Landers, L.R. Curtis, J.F. Klaverkamp, C. L. Baron and W.L. Lockhart. 2001. Vitamin and thyroid status in arctic grayling (*Thymallus arcticus*) exposed to doses of 3,3',4,4'-tetrachlorobiphenyl that induce the phase I enzyme system, *Chemosphere*, 45(2): 185-193.

Allen-Gil, S.M., D.H. Landers, T.L. Wade, J.L. Sericano, and L.R. Curtis. 1997. Heavy metals, organochlorine pesticides and polychlorinated biphenyls in arctic ground squirrels (*Spermophilus parryi*) in northern Alaska. *Arctic* 50:323-333.

Allen-Gil, S.M., D.H. Landers, T.L. Wade, J.L. Sericano, and L.R. Curtis. 1997. Organochlorine pesticides and polychlorinated biphenyls in U.S. Arctic aquatic ecosystems, *Arch. Environ. Contam. Toxicol.* 33: 378-387.

Allen-Gil, S.M., C.P. Gubala, D.H. Landers, B.K. Lasorsa, E.A. Crecelius, and L.R. Curtis. 1997. Heavy metal accumulation in sediment and freshwater fish in U.S. Arctic lakes. *Environ. Toxicol. Chem.* 16: 733-741.

Allen-Gil, S.M., D. Gilroy and L.R. Curtis. 1995. An ecoregion approach to mercury

bioaccumulation by fish in reservoirs. Arch. Environ. Contam. Toxicol. 28: 61-68.

Allen-Gil, S.M. and V. Martynov. 1995. Heavy metal burdens in nine species of freshwater and anadromous fish from the Pechora River, Northern Russia. Sci. Total Environ.160/161: 643-654.

Ford, J., D. Landers, D. Kugler, B. Lasorsa, S. Allen-Gil, E. Crecelius, and J. Martinson. 1995. Inorganic contaminants in Arctic Alaska Ecosystems: Long-range atmospheric transport or local point sources? Sci. Total Environ. 160/161: 323-336

Gubala, C.P., D.H. Landers, M. Monetti, M. Heit, S. Allen-Gil, L. Curtis and J. Ford. 1995. The rates of accumulation and chronologies of atmospherically derived pollutants in arctic Alaska, USA. Sci. Total Environ. 160/161:347-361.

Lasorsa, B.K. and S. M. Allen-Gil. 1995. The methylmercury to total mercury ratio in marine, freshwater, and terrestrial organisms: an overview. Water, Air and Soil Pollut. 80: 905-913.

Wilson, R., S.M. Allen-Gil, D. Griffin, J. Wilkins, and D.H. Landers. 1995. Organochlorine contaminants in freshwater fish in the U.S. Arctic. Sci. Total Environ. 160/161:511-520.

Edited Journals and Book Chapters:

Allen-Gil, S., S. Swensen, and M. Brown. 2010. Roundtable Discussion: Sustainability as a Discipline. Educators discuss majors, minors, market demand, and the overlap with environmental science. Sustainability: The Journal of Record. October 2010, 3(5): 271-275.

*de Villiers, A. with S. Allen-Gil (Submitted) Investigation of an Herbal Dewormer as an Alternative Treatment Method Part I: Analysis of the Efficacy and Mode of Action. Proceedings of The National Conference On Undergraduate Research (NCUR) 2010

*Brylinsky, S. and Allen-Gil S. 2009. Learning by Doing: the university as a curricular tool for sustainability and environmental security. In: Allen-Gil, S., L. Stelljes, and O.Borysova. (Eds). Addressing Environmental Security through Innovative Educational Curricula. NATO Security Through Science Series C: Environmental Security. Springer Publishing.

*Stelljes, L., and S. Allen-Gil. 2009. A student's perspective: the benefits on non-traditional methods of environmental education on environmental policy. In: Allen-Gil, S., Stelljes, L., and Borysova, O. (Eds). Addressing Environmental Security through Innovative Educational Curricula. NATO Security Through Science Series C: Environmental Security. Springer Publishing.

Allen-Gil, S. 2008. What's My Job? Do teachers have a role when it comes to saving the planet? ICView, Fall.

*Scahill, J. 2008 (under the direction of S. Allen-Gil and Marc Servetnick). Effects of atrazine on embryonic development of fathead minnows (*Pimephales promelas*) and *Xenopus laevis*: BIOS, Dec. 2008.

Allen-Gil S and O. Borysova. 2007. Environmental Security In Transition Countries: Knowledge Gaps, Hurdles And Effective Strategies To Address Them. In: Hull, R., Barbu, C-H. And

Goncharova, N. (Eds). Strategies To Enhance Environmental Security In Transition Countries. NATO Security Through Science Series C: Environmental Security. Springer Publishing.

Allen-Gil, S., 2007. Lessons Learned From The North: Balancing Economic Development, Cultural Preservation, And Environmental Protection. NATO Science Series.

*Niescierenko, M. 2001 (under the direction of S. Allen-Gil). Evaluation of preventative fungal treatment on fathead minnow (*Pimephalespromelas*) larval survival and growth. BIOS: A Quarterly Journal of Biology 72(4): 123-127.

Allen-Gil, S.M. (Editor). 2000. New Perspectives in Electrofishing. U.S. Environmental Protection Agency, Office of Research and Development, Report # EPA/600/R-99/108.

Reports and Proceedings:

Allen-Gil, S., P. Bardaglio, L. Walker. 2005. Educating for Sustainability: Ithaca College and Ecovillage at Ithaca. Proceedings of the Greening of the Campus VI: Extending connections, Ball State University, pages 5-17.

Landers, D.H., J. Ford, C.P. Gubala, S. Allen, L. Curtis, N. S. Urquhart, and J.M. Omernik. 1992. Arctic Contaminants Research Program Research Plan. EPA/600/R92/210. U.S. Environmental Protection Agency Research Laboratory, Corvallis, OR.

Allen, S.M. and L.R. Curtis. 1991. An ecoregion approach to mercury dynamics in three Oregon reservoirs. Report for the Oregon Department of Environmental Quality.

Allen, S.M. 1989. The adaption of an index of biotic integrity to streams of the coastal plain drainage basins in North Carolina. Report for the North Carolina Division of Environmental Management, Water Quality Section.

Recent abstracts and presentations * student co-presenter

Allen-Gil, S. M. Brown., and S. Swensen. "*Committed To Change*": Ithaca College's Sustainability Education Program, Part III: Importance of Partnerships and Future Opportunities, International Forum on Education for Sustainable Development Beijing, China, October 2011.

Allen-Gil, S. and *R. Webster. Beyond Engagement: International Activism and Professional Participation at UNFCCC. Association of Environmental Studies & Sciences, Portland, OR, June 2010.

Allen-Gil, S. and O. Borysova. Building an International Sustainability Helpdesk. American Association for Sustainability in Higher Education (AASHE) Conference, Denver, CO, October 2010.

Swensen, S., Allen-Gil, S. and M. Brown. goCarts: Driving Learning through Climate Action Plan Implementation. AASHE, Denver CO, October 2010.

Gundersen, D. Brylinsky, S., and S. Allen-Gil. Is it Time for a Revolution?, AASHE, Denver CO, October 2010.

Allen-Gil, S., S. Swensen, and M. Brown. Panel Discussion: Sustainability as an Academic Discipline. American Association for Sustainability in Higher Education/Greening of the Campus, Indianapolis, IN, Nov. September. 2009.

Allen-Gil, S. Ithaca College's New Commit-To-Change Initiative, presented at the American

- Association for Sustainability in Higher Education, Raleigh, NC, Nov. 2008.
- *Brylinsky, S. and Allen-Gil S (2009), Learning by Doing: the university as a curricular tool for sustainability and environmental security. NATO ARW, Kharkiv, Ukraine, May 2008.
- *Stelljes, L., and Allen-Gil, S. (2009). A student's perspective: the benefits on non-traditional methods of environmental education on environmental policy. NATO ARW, Kharkiv, Ukraine, May 2008.
- Allen-Gil, S., (2007). Lessons Learned From The North: Balancing Economic Development, Cultural Preservation, And Environmental Protection. NATO ARW, Sibiu, Romania.
- Allen-Gil, S. and S. Brylinsky*, (2007). From Zero to Sixty: Building Sustainability on Campus. Drew University, NJ.
- Allen-Gil, S. "Making a World of Difference Through International Experiences". Faculty Speaker for the IC Capital Campaign Kick-Off at the Australian Embassy Washington DC. (12/06).
- Allen-Gil, S. Educating for Sustainability: Ithaca College" at the Sustainability, Science, and Liberal Arts Colleges hosted by the Christian A. Johnson Endeavor Foundation. NY, NY. (11/06)
- Allen-Gil, S. Lessons Learned From The North: Balancing Economic Development, Cultural Preservation, And Environmental Protection, NATO Advanced Research Workshop, Strategies to Enhance Environmental Security in Transition Countries. Sibiu, Romania, (9/06).
- Allen-Gil, S. ICLCEC News Report: Stories from the Other Side of the Big Pond. IC Biology Department Seminar Series, (9/06)
- Allen-Gil, S.M. and P. Bardaglio, Educating for Sustainability: Ithaca College and EcoVillage at Ithaca" Greening the Campus, Ball State University. Muncie, IN. (9/05).
- Allen-Gil, S.M., P. Bardaglio and L. Walker, Educating for Sustainability: Ithaca College and EcoVillage at Ithaca. Annual meeting of the American Association of Colleges and Universities in San Francisco, California. (1/05).
- Allen-Gil, S.M., Earth Café 2050 workshop, Northeast Campus Sustainability Summit, University of New Hampshire. (10/04)
- Allen-Gil, S.M, The Next Generation: Educating for Sustainability. National Environmental Assistance Summit, Baltimore, Maryland. (4/04)
- Allen Gil, S.M. and Aldea, M. Pokeweed (*Phytolacca americana*) as a Potential Molluscicide for Use in Aquaculture. Society of Environmental Toxicology and Chemistry's 24th Annual Meeting in Austin, TX, (11/ 03).
- Allen-Gil, S.M., J. Ford, J. Seigle, M. Akpik, J. Woods and J. Nashagnik. PCB composition in searun vs. resident whitefish in subsistence fisheries of northern Alaska. Society of Environmental Toxicology and Chemistry's 24th Annual Meeting in Austin, TX. (11/ 03).
- Ford, J., S. Allen-Gil, M. Akpik, J. Nashagnik, and J Woods. Listening to fish: science and wisdom on the Alaskan Arctic Coastal Plain. Ecological Society of America Annual Meeting, Santa Fe, NM, (8/03).
- Allen-Gil, S.M., J. Ford, J. Seigle, M. Akpik, J. Woods and J. Nashagnik. Canadian Northern Contaminants Program, Ottawa, Canada, 3/03. Upstream or Downwind? The roles of biotransport and atmospheric deposition in POP accumulation in inland arctic subsistence fisheries (3/03).
- Ford, J., S. Allen-Gil, M. Akpik, J. Nashagnik, and J Woods. Toxins, toxins, who=s got the toxins?: Searun vs resident whitefish of the western Alaskan Arctic. Amer. Fish. Soc., 2003.
- Ford, J., S. Allen-Gil, M. Akpik, J. Nashagnik, and J Woods. Mercury in inland and coastal lakes of the Alaska Arctic. Canadian Arctic Contaminants Assessment Symposium, Ottawa, Canada, March 2003.
- Allen-Gil, S., J.Ford, J. Seigle, M. Akpik, J. Nashagnik, and J. Woods. 2002. Upstream or Downwind? The roles of biotransport and atmospheric deposition in Hg accumulation in inland arctic subsistence fisheries. Society of Environmental Toxicology and Chemistry, Salt Lake City,

UT.

Professional activities/scientific outreach

Invited Speaker, Wells College Sustainability Series, (4/16)

External Reviewer, Pacific University Environmental Studies Program (4/16)

Invited Speaker, Ithaca College Introduction to Business course, (1/10)

Invited Speaker, Ithaca College MLK Scholars Program, (2/09)

Invited Expert, Strategies to Enhance Environmental Security in Transition Countries,
NATO Advanced Research Workshop, Sibiu, Romania (9/06)

Invited Expert, Multiple Stressors in Aquatic Environments, Water Environment Research
Foundation, (9/05)

Invited Speaker, Ithaca College Faculty Development Series, Teaching Sustainability (2/03)

Invited Speaker, Wells College Environmental Program Seminar Series (Invited speaker: 2/14/03)

Co-Instructor, Envirosleuths, week-long course on environmental sustainability for 1st-3rd grades at
the Elizabeth Anne Clune Montessori School of Ithaca, June 2003.

Panelist, NSF Review Board for CCLI grants, Jan. 2003.

Board Member, Academic Review Board, Sea Education Assoc. Appointed 3/2001

President-elect, Phi Beta Delta, Honor Society for International Scholars, 2002.

Invited interviewee, KBRW, Barrow Alaska, Aug. 18, 2000.

Invited speaker, Hopson Middle School, Barrow AK, Bioaccumulation and subsistence food chains
Feb., 2000.

Invited speaker, Elmira Federal Corrections Facility, Elmira, NY, State of the Environment: 1950-
2000, March, 1999.

Invited speaker, People, Caribou and Science Conference, Special Section on arctic contamination,
Arctic Village, Alaska, November 1993.

Invited lecturer, Corvallis Public Schools, Life Science Program for middle schools. 1993.

Assistant graduate mentor, Earthwatch Program, Ecology of Arctic Ground Squirrels, Toolik Lake
Field Station, University of Alaska, Fairbanks. August 1992.

Tour leader, Association for Women in Science, "Expanding your Horizons in Science and
Mathematics" Career Day, Oregon State University, Corvallis, OR, April 1991.

Reviewer, New Jersey Department of Environmental Protection, Division of Science and Research.
Research proposals for development/ adaptation of methodology for the quantitative
assessment of fish communities. 1990.

Interpreter, Massachusetts Division of Environmental Management. Directed environmental
education program in state forest in rural area. Summer 1987.

Volunteer, Student Conservation Association/National Park Service, North Cascades National Park
revegetation project. Summer 1982.

Certifications and Field Training

First Aid and CPR

Coast Guard Boating Skills and Seamanship

Swiftwater Rescue Technician

Cold Weather Survival and Bear Encounters

Professional Societies

American Fisheries Society

Association of Environmental Studies and Sciences

Phi Beta Delta Honor Society for International Scholars
Phi Beta Kappa
Society of Environmental Toxicology and Chemistry

Peer reviewer

Archives of Environmental Toxicology and Chemistry
Arctic
AMBIO
Ecotoxicology & Environmental Safety
ETS Reader: AP Environmental Science
Journal of Wildlife Diseases
International Journal of Sustainability in Higher Education (editorial board)
Institute of Laboratory Animal Research
National Science Foundation (Polar Programs, Ecological Studies, CCLI)
NATO Science Series
Pacific University (Full Professor candidate)
Science of the Total Environment
Water, Air and Soil Pollution
Wells College (Full Professor candidate)

Recent Service to Ithaca College

ENVS Department Chair
Co-Chair, Earth Science Faculty Search
HSBC Grant PI
Cultural Immersion Subcommittee of Experiential Learning
Partnerships for Sustainability Education Committee Master in Sustainable Development
brainstorming committee
Chair, Director of Grants and Sponsored Programs Search
(IC)² Climate Action Research Team (delivered a module on climate science and action)
International Travel Policy Advisory Committee
Instructional Development Committee (Fall 2010 only)
IC 2020 Task Force #8 - Expanding National and International Scope
Latin American Studies Program (faculty member)