

Anthony Carpi

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SKILLS SUMMARY

Outstanding student evaluations, extensive federal and state grant awards, and peer-reviewed books and journal articles demonstrate international leadership in teaching, research and writing. Director of two nationally recognized science education projects, illustrating expertise in science education and research.

EDUCATION

- Ph.D.** Environmental Toxicology, 1997 Cornell University
Dissertation: Mercury Chemistry at the Soil/Atmosphere Interface
- MS** Environmental Toxicology, 1993 Cornell University
Thesis: Biological Monitoring for Airborne Mercury Pollution
- BS** Chemistry, 1986 Boston College
Thesis: Gas-Phase Reaction Kinetics of Organofluorides

PROFESSIONAL EXPERIENCE

- Associate Professor of Environmental & Forensic Toxicology** 9/97-present
John Jay College, The City University of New York
- Multidisciplinary research includes the effects of climate-related variables on the fate and chemistry of mercury in the environment.
 - Diverse instructional background includes graduate, undergraduate and non-major science courses.
 - Tenured: 2002; Promoted to Associate: 2003; Appointed Deputy Chairperson: 2007.
- Co-Founder and Director** 9/06-present
PRISM – The Program for Research Initiatives for Science Majors at John Jay College
- Established the first stand-alone research program at the College with L. Kobilinsky using 100% external funding.
- Founder** 6/99-present
Visionlearning - <http://www.visionlearning.com>
- National Science Foundation funded education-technology project creates innovative and interactive standards-based online teaching resources used by schools throughout the country.
- Educational Coordinator** 10/98-10/01
The Hispanic Education Telecommunication System - <http://www.virtualplaza.org>
- Executive committee member of a multi-university, Internet-based Hispanic education community.
- Research Fellow - Environmental Chemistry** 3/95-9/95
Oak Ridge National Laboratory
- Trained in ultra-clean, field sampling and analytical techniques for inorganic and methyl-mercury.
- Research Fellow - Risk-Assessment** 5/93-8/93
U.S. Environmental Protection Agency
- Trained in current methods for human and ecological health risk assessment.
- Air Pollution Control Engineer** 1/88-8/90
Department of Environmental Protection, State of Connecticut
- Enforced state & federal air pollution regulations through industry inspection and engineering studies.
- Research Assistant - Biochemistry** 6/81-8/81
University of Connecticut Medical Research Center
- Investigated the response of mice T-cell Leukemia lines to inhibitory drugs.

Continued

FUNDED GRANT AWARDS

U.S. Department of Education , Fund for the Improvement of Postsecondary Education Carpi, Egger "Teaching the Process of Science," 10/06-9/09	\$599,870
U.S. Department of Education , Office of Postsecondary Education Carpi, Szur, Kobilinsky, McCullough "A Program for Articulating Community College Students to B.S. Degrees in Science," 10/06-9/11	\$3,464,660
Research Foundation of CUNY , Collaborative Research Incentive Award Carpi, Frei "The Terrestrial Mercury Cycle and Climate: Measuring and Modeling the Impact of Global Change," 8/05-7/07	\$66,010
National Science Foundation , Division of Undergraduate Education Carpi "Visionlearning: Building a National Web-Learning Community for Interdisciplinary Science Education," 3/02-2/05	\$498,000
U.S. Department of Education , Office of Postsecondary Education Kobilinsky, Carpi, Rothchild, Flores "Promoting the Success of Students in Science," 10/01-9/06	\$2,150,000
U.S. Department of Education , Minority Science & Engineering Improvement Program Kobilinsky, Carpi, Rothchild "Improving Undergraduate Research," 10/01-10/04	\$285,336
National Science Foundation , Division of Undergraduate Education Carpi "Proof of a Textbook-Free Learning Community: Visionlearning," 12/00-11/01	\$75,000
New York State , Graduate Research & Technology Initiative Carpi, Kobilinsky "Development of a Mobile Lab for Climate Change Research," 8/07	\$109,501
Carpi, Kobilinsky, Salane "Trace Speciation of Environmental Pollutants," 8/06	\$124,725
Carpi, Kobilinsky, Salane "Solid State Chemistry," 7/05	\$81,995
Carpi, Kobilinsky, Salane "Improving Forensic Toxicology Capabilities," 6/04	\$127,299
Carpi, Kobilinsky, Salane "ICP-MS for Trace Elemental Analysis," 7/03	\$163,200
Rothchild, Carpi, Kobilinsky, Salane "Instrumentation for Chemistry, Molecular Biology and Education Technology," 7/02	\$161,689
Carpi, Rothchild, Kobilinsky "Improvements in Web-Based Instruction," 8/01	\$6,005
Carpi "Mercury Transport and Deposition in New York State," 6/00	\$18,299
Kobilinsky, Rothchild, Carpi "Instrumentation for Forensic Analysis" 5/99	\$83,060
Research Foundation of CUNY , Research Development Award Carpi "Instrumentation for Mercury Analysis," 12/99	\$43,790
Professional Staff Congress of CUNY , Research Award Carpi "Detecting Estrogenic Compounds in Drinking Water," 6/02-6/03	\$4,498
Carpi "Mercury Deposition to Critical Waters in New York State," 6/00-6/02	\$10,498
Carpi "Microsporidia in Drinking Water: Methods for Analysis," 2/98-6/00	\$10,133
U.S. Environmental Protection Agency , STAR Research Grant Carpi "An Assessment of Mercury in Municipal Sewage Sludge Applied to Land," 9/95.	\$54,000

OTHER AWARDS

Nominated - Presidential Award for Excellence in Science, Mathematics, & Engineering Mentoring (2007), Presented by the National Science Foundation.

Finalist - Science and Engineering Visualization Challenge Award for *Dalton's Playhouse* (2006), Presented by the National Science Foundation & American Association for the Advancement of Science.

COURSE DEVELOPMENT EXPERIENCE

Introduction to Science in Society (NSC 107) - John Jay College.

- Completely rewrote and modernized the curriculum for a large, non-major, core lecture and laboratory science course that introduces scientific process, and basic chemical and biological principles.
- Produced a series of web-based tutorials that resulted in a significant reduction in course attrition rates (Carpi, *J. Chem. Ed.* 78:1709), and led to a national project for interdisciplinary teaching.

Forensic Investigations in the Environmental Sciences (FOS 806) - John Jay College.

- Developed the curriculum and all teaching materials for a graduate-level course in a novel subject area.

Life Under the Microscope: The Intersection of Science & Social Science (TSP5) - John Jay College.

- Co-created (w/A. Stein) an honors-level, non-major science course that discussed the philosophy of scientific breakthroughs and the psychology of scientific thought.

Principles of Environmental Science (ENV 108) - John Jay College.

- Completely rewrote the curriculum (w/M. Zedeck) of a non-major, core lecture and laboratory science course to focus it on modern toxicological concepts. Co-authored course lab manual.

Science Department Research Seminar Series - John Jay College.

- Created, organized and self-funded a biweekly, research seminar series for seven years that has been institutionalized at the College with support of the Vice President for Student Development's Office.

Undergraduate Research Internship (FOS 402) – John Jay College.

- Created a faculty-mentored, capstone research course to complement the existing forensic science internship program at the College for students interested in careers in scientific research.

Toxicology of Environmental and Industrial Agents (TOX 313) - John Jay College.

- Modernized the curriculum of an undergraduate science majors course.

Forensic Science Masters Thesis Prospectus Seminar (FOS 791) - John Jay College.

- Successfully lobbied to add regular faculty research presentations to the course.

Mountaineering/Canoeing – Cornell University Outdoor Education Department.

- Co-developed (w/I. Saxer) an outdoor education course still taught at the University.

OTHER ACTIVITIES

College Service: General Education Taskforce (2007-present), Science Coordinator – Forensic Science Partnership Program (2006-present), Departmental P&B Committee (2003-2006, 2007 - present), Technology/Education Technology Committees (1999-present), College Honors Program Committee (2006-2007), John Jay Institutional Review Board (1999-2003), College Curriculum Committee (2000-2003), Faculty Senate (1998-2000).

Editorial Board: *Environmental Forensics*, Academic Press, Harcourt, Inc. (2000-2002).

Reviewer: National Science Foundation Division of Undergraduate Education grant program, U.S. Civilian Research grant program, peer reviewer for numerous journals.

Professional Memberships: American Chemical Society, American Association for the Advancement of Science, NY Academy of Sciences, Society of Environmental Toxicology and Chemistry, New York New Media Association, National Science Teachers Association.

Other: Avid Web Developer with expertise in HTML, JavaScript, CGI, CSS. Cycling/hiking enthusiast.

PUBLICATIONS – PEER-REVIEWED SCIENTIFIC RESEARCH ARTICLES

- McCloskey, R., Cocris, D., Carpi, A. (2007) The Wavelength Dependence of Light-Stimulated Soil Mercury Emissions, *manuscript in preparation*.
- Mauclair, C., Layshock, J., Carpi, A. (2008) “Quantifying the Effect of Humic Matter on the Suppression of Mercury Emissions from Soil,” *Applied Geochemistry*, 23(3):594-601.
- Carpi, A., Frei, A., Cocris, D., McCloskey, R., Contreras, E., & Ferguson, K. (2007) Analytical artifacts produced by a polycarbonate chamber compared to a Teflon chamber for measuring surface mercury fluxes, *Analytical & Bioanalytical Chemistry*, 388(2):361-365.
- Moore, C., Carpi, A. (2005) “Mechanisms of the emission of mercury from soil: The Role of UV radiation,” *Journal of Geophysical Research*, 110(24):D24302.
- Haidermota, U.S., Nguyen, P.V, Smalligan, M.J, Carpi, A. (2004) “The Effect of trees (*Poplar nigra*) on soil mercury fluxes,” *Materials and Geoenvironment* 51(2):897-900.
- Carpi, A., Chen, Y. (2002) “Gaseous Elemental Mercury Fluxes in New York City,” *Water, Air & Soil Pollution* 140(1-4):371-379.
- Carpi, A., Chen, Y. (2001) “Gaseous Elemental Mercury as an Indoor Air Pollutant,” *Environmental Science & Technology* 35(21):4170-4173.
- Carpi, A., Mital, J. (2000) “The Expanding Use of Forensics in Environmental Science,” Feature Article – *Environmental Science and Technology* 34(11):262A-266A.
- Carpi, A., Lindberg, S.E. (1998) "Application of a Teflon Dynamic Flux Chamber for Quantifying Soil Mercury Flux: Tests and Results over Background Soil," *Atmospheric Environment* 32(5): 873-882.
- Carpi, A., Lindberg, S.E. (1997) "The Sunlight Mediated Emission of Elemental Mercury from Soil Amended with Municipal Sewage Sludge," *Environmental Science and Technology* 31(7): 2085-2091.
- Carpi, A., Lindberg, S.E., Prestbo, E.M., Bloom, N.S. (1997) "Methyl Mercury Contamination and Emission to the Atmosphere from Soil Amended with Municipal Sewage Sludge," *Journal of Environmental Quality* 26(6): 1650-1654.
- Carpi, A. (1997) “Mercury from Combustion Sources: A Review of the Chemical Species Emitted and Their Transport in the Atmosphere,” *Water, Air and Soil Pollution* 98:241-254.
- Opsomer, J.D., Agras, J., Carpi, A., Rodrigues, G. (1995) “An Application of Locally Weighted Regression to Airborne Mercury Deposition around an Incinerator Site,” *Environmetrics*, 6:205-219.
- Carpi, A., Ditz, D.W., Weinstein, L.H. (1994) "Bioaccumulation of Mercury by Sphagnum Moss near a Municipal Solid Waste Incinerator," Feature Article - *Journal of the Air and Waste Management Association*, 44(5): 669-672.
- Carpi, A., Ditz, D.W., Waldman, J., Greenberg, A., Weinstein, L.H. (1992) “Biological Monitoring Around a Municipal Solid Waste Incinerator in Rural New Jersey”, the proceedings of the *85th Annual Meeting of the Air and Waste Management Association*.
- Ditz, D.W., Carpi, D., Weinstein, L.H. (1991) "Interpreting Biological and Ambient Air Monitoring Data near Municipal Solid Waste Incinerators", the proceedings of the *84th Annual Meeting of the Air and Waste Management Association*.

PUBLICATIONS – PEER REVIEWED EDUCATIONAL RESEARCH ARTICLES

- Carpi, A., Mikhailova, Y. (2003) “The Visionlearning Project: Evaluating the Design and Effectiveness of Interdisciplinary Science Web Content,” *J. College Science Teaching* 23(1):12-15.
- Carpi, A. (2003) “Designing Effective Instructional Web Pages,” in Simon, E. J. (ed.) *Teachers Using Technology: Practical Ideas from the Classroom*, Kluwer Academic, New York.
- Carpi, A. (2001) “Improvements in Undergraduate Science Education Using Web-Based Instructional Modules: The Natural Science Pages,” *J. Chemical Education* 78(12):1709.

PUBLICATIONS – BOOKS AND MANUALS

Carpi, A., Egger, A., Rosenberger, A. (2006) *Natural Science*, 5th Edition. Kendall-Hunt, Dubuque, IA.

Carpi, A., Bailey, W. (2005) *Natural Science Laboratory Manual*. Kendall-Hunt, Dubuque, IA.

Carpi, A., Zedeck, M. (2003) *Laboratory Manual for Environmental Science*.

PRESENTATIONS

Lam, B., He, Y., Carpi, A., Kobilinsky, L. “Determination and Speciation of Arsenic in Vegetables on Sale in New York City Using Inductively Coupled Plasma-Mass Spectrometry,” Eastern Analytical Symposium, Somerset, New Jersey, November 12-15, 2007.

Carpi, A., Egger, A. “An Idealized Curriculum for 1st Semester General Chemistry: What Topics Are Critical?” Invited Presentation to the Gordon Research Conference on Chemistry Education Research & Practice, Bates College, Lewiston, ME, June 24-26, 2007.

Frei, A., Carpi, A., Filosa, D., Ferguson, K., Cherry, J. “Quantifying the Mercury Cycle at Black Rock Forest,” Black Rock Forest / Highlands Research Symposium, Black Rock Forest, Cornwall, New York, USA, June 25-26, 2007.

Cherry, J., Frei, A., Carpi, A., Schuster, B., Smerdon, J., Tremblay, B., Munson, M., Brady, J., Gong, G., “Research Station at Black Rock Forest: long-term monitoring and hydroclimatological research,” Black Rock Forest / Highlands Research Symposium, Black Rock Forest, Cornwall, New York, USA, June 25-26, 2007.

Bryant, E., Carpi, A. “The Effects of Clay on the Emission of Mercury from Soil,” LSAMP - Urban University Conference Series 2007, New York City, NY, April 27-28, 2007.

Contreras, E., Frei, A., Carpi, A. “Developing a Surface-Air Mercury Model (SAMM)” LSAMP - Urban University Conference Series 2007, New York City, NY, April 27-28, 2007.

De La Vega, H., Carpi, A. “Mercury Emission from Soil: The Role of pH and Salt Concentration,” 15th Annual CSTEP Conference, Lake George, NY, April 13-15, 2007.

Orta, O., Kobilinsky, L., Diaczek, P., Carpi, A. “Identification of ‘Asbestos-Like’ Fibers Associated with the Construction of the Third NYC Water Tunnel,” 15th Annual CSTEP Conference, Lake George, NY, April 13-15, 2007.

Cocris, D., Frei, A., Carpi, A. “Evaluating the Role of Light on the Soil Mercury Emissions Process: A Comparison of the Emission of Divalent and Elemental Mercury,” 8th International Conference on Mercury as a Global Pollutant, Madison, Wisconsin, August 5-11, 2006.

Mauclair, C., Layshock, J., Carpi, A. “The Effect of Humic Matter on Soil Mercury Emissions,” 8th International Conference on Mercury as a Global Pollutant, Madison, Wisconsin, August 5-11, 2006.

McCloskey, R., Contreras, E., Carpi, A. “UV Light and Soil Mercury Emissions: Identifying the Wavelength of Light Important in the Process,” 8th International Conference on Mercury as a Global Pollutant, Madison, Wisconsin, August 5-11, 2006.

Swenson, S., Carpi, A. “Teacher-Friendly Customization of a Science Curricular Website,” Enriching the Academic Experience of College Science Students Conference, Ann Arbor, MI, May 17, 2006.

Egger, A., Carpi, A. “Creating a customized, online science classroom: The Visionlearning project,” National Meeting of the Society of College Science Teachers, at the National Science Teachers Association Conference, Anaheim, CA, April 9, 2006.

Carpi, A. “Developing an Online Science Learning Environment that Grows with an Instructor's Experience,” The Northeast Association for Science Teacher Education, Amherst, MA, Oct. 26, 2005.

Carpi, A., Egger, A. “Contextualizing Science: Targeting multiple learning styles by integrating research, history, current events and assessment into science education,” American Chemical Society National Meeting, Philadelphia, PA, August 22, 2004.

- Carpi, A., Haidermota, U., Nguyen, P., Smalligan, M. "The effect of trees (*Poplar nigra*) and UV radiation on soil mercury flux," 7th International Conference on Mercury as a Global Pollutant, Ljubljana, Slovenia, June 27, 2004.
- Carpi, A., Rosenberger, A., Egger, A. "Integrating Research, History, Current Events and Assessment into Interdisciplinary Science Education," National Science Foundation Conference on Invention and Impact: Building Excellence in Undergraduate STEM Education, Arlington, VA, April 16, 2004.
- Carpi, A. "Interdisciplinary Science Education: Innovations and Benefits," Invited Seminar, Brooklyn College, March, 2004.
- Carpi, A., Rosenberger, A., Egger, A. "An Integrated Learning Environment for Science Education," American Association for the Advancement of Science Annual Meeting, Seattle, WA, Feb. 16, 2004.
- Carpi, A., Rosenberger, A. "Designing Effective Instructional Web Pages," CUNY Technology Forum, New York, NY, Nov. 14, 2003.
- Egger, A., Carpi, A. "Visionlearning: A Web-based Resource for Teaching and Learning Integrated Science," New Mexico Association of Community Colleges Annual Faculty Conference, Santa Fe, NM, May 18-20, 2003.
- Carpi, A. "The Visionlearning Project: Using standards-based Web content to improve science comprehension," American Chemical Society National Meeting, Boston, MA, August 18-22, 2002.
- Egger, A., Carpi, A. "Effective Use of Web-Based Resources," K-16 Educators Workshop no. 610, GSA (Geological Society of America) Annual Meeting, 2003.
- Carpi, A. "Gaseous Elemental Mercury as an Indoor Air Pollutant," U.S. EPA/NESCAUM 2002 Mercury Pollution Conference, Kennebunkport, ME, June 12-13, 2002.
- Carpi, A., Chen, Y.-F. "Gaseous Elemental Mercury as an Indoor Air Pollutant," SETAC National Conference, Baltimore, MD, Nov. 15, 2001.
- Carpi, A., Uffen, R. "Proven Strategies for Course Content Development on the Web," *Syllabus* 2001, Boston, MA, November 29, 2001, <http://www.syllabus.com>.
- Ovando, B., Roberts, M., Zedeck, M., Carpi, A. "Analysis of Zinc Accumulation in *H. Vulgare*," *Collegiate Science & Technology Program Conference*, Lake George, NY, April 6-8, 2001.
- Carpi, A., Uffen, R., Mikhailova, Y. "The Visionlearning Project: Web-Based Science Education," *SchoolTechExp*, New York, March 28-30, 2001, <http://www.schooltechexpo.com/>.
- Carpi, A. "The Art of Web Design," *Faculty Development Day*, John Jay College, NY, March 30, 2001, <http://web.jjay.cuny.edu/~acarp/design/home.htm>
- Carpi, A. "Improvements in Science Education Using Web-Based Instructional Lessons," *Syllabus* 2000, Boston, MA November 30 – December 1, 2000 24-27, 2000, <http://www.syllabus.com>.
- Carpi, A. "Enhancements in Interdisciplinary Science Training Using Web-Based Instructional Lessons," *Chemistry & the Internet* 2000, Washington, DC, September 24-27, 2000, <http://www.chemint.org>.
- Carpi, A. "Mercury: Environmental Cycling and Toxicological Concerns," Fourth Annual Conference on Environmental Issues, Medgar Evers College, Brooklyn, NY, March 13, 1999.
- Carpi, A., Lindberg, S.E. "The Contamination and Flux of Methyl Mercury in Background and Sludge-Amended Soil," *4th International Conference on Mercury as a Global Pollutant*, Hamburg, Germany, August 1996.
- Carpi, A., Lindberg, S.E. "Mercury Emissions from Background and Municipal Sewage Sludge-Amended Soil," *4th International Conference on Mercury as a Global Pollutant*, Hamburg, Germany, August 1996.
- Carpi, A. "Soil/Atmosphere Exchange of Elemental and Methylmercury: Mechanisms of Emission," *Environmental Toxicology Seminar Series*, Cornell University, Ithaca, NY, April 1996.

Carpi, A. "The Fate and Chemistry of Mercury in Background and Municipal Sewage Sludge Amended Soil," *ORNL Environmental Sciences Division Seminar Series*, Oak Ridge National Laboratory, Oak Ridge, TN, August 1995.

Carpi, A., Ditz, D., Weinstein, L. "Mercury Speciation at Municipal Solid Waste Incinerators: Plant Accumulation and Airborne Exposure," *3rd International Conference on Mercury as a Global Pollutant*, Whistler, BC, July 10-14 1994.

Carpi, A. "The Accumulation of Mercury in Sphagnum Moss around a Municipal Solid Waste Incinerator," *Boyce Thompson Institute for Plant Research Seminar Series*, Ithaca, NY, November 1993.

Carpi, A. "The Speciation and Transport of Mercury in the Atmosphere," *U.S. Environmental Protection Agency Seminar Series*, Washington, DC, August 1993.

Carpi, A., Ditz, D., Weinstein, L. "Biological Monitoring Around a Municipal Solid Waste Incinerator in Rural New Jersey," *85th Annual Meeting of the Air & Waste Management Association*, Kansas City, MO, June 1992.

Ditz, D., Carpi, A., Weinstein, L. "Interpreting Biological Monitoring Data Near Municipal Solid Waste Incinerators," *84th Annual Meeting of the Air and Waste Management Association*, Vancouver, BC, June 1991.

MENTORED STUDENTS

- Anthony Ho, Undergraduate Researcher 12/07-present.
Solvation and transport of soil mercury.
- Jason Quinones, Undergraduate Researcher 12/07-present.
Soil depth profile of light-enhanced metal reduction chemistry.
- Jihad Grosvenor, Masters Researcher 12/07-present.
Field validation of soil mercury chemistry models.
- Jaimie Heslin, Undergraduate Researcher 10/06-present.
Chemical modeling of the reduction of Hg^{+2} in natural systems.
- Deanna Filosa, Masters Researcher 10/06-present.
A mass balance of mercury fluxes at the Blackrock Forest, Cornwall, NY.
- Elisabeth Contreras, Doctoral Researcher 3/06-present, CUNY Graduate Center.
Modeling the affect of climate change on the global mercury pollution cycle.
- Eboni Bryant, B.S., May 2007.
The effect of salt concentration on soil mercury flux.
- Alison Keenan, B.S., May 2007.
Evaluating student and alumni perception of quality in the Forensic Science major.
- Ashley Rhodes, M.S., December 2007.
The effect of rainfall and soil moisture on soil mercury emissions.
Subsequent success: New York City Medical Examiner's Office .
- Kylie Ferguson, B.S., May 2007, CUNY B.S. Program.
Field validation of laboratory humic acid studies on soil mercury flux.
- Hilda De La Vega, B.S., May 2007.
The effect of pH on soil mercury flux.
- Olivia Orta, B.S., May 2007.
Urban sources of outdoor asbestos fibers.
- Rachel McCloskey, M.S., December 2007.
Comparisons of UV-A, -B, and -C in the mercury emissions process.
Subsequent success: New York City Medical Examiner's Office .
- Conrad Mauclair, B.S., May 2006. Undergraduate Research Award Winner.
Quantifying the role of humic matter on mercury reduction in soil.
Subsequent success: Project Manager, vTuner, Inc.
- Daniel Cocris, B.S., May 2006. Metzner Undergraduate Award Winner.
Comparisons of the behavior of elemental and divalent mercury in soil.
- Kristin Ferraro, M.S., August 2006.
Mercury contamination in indoor environments.
Subsequent success: New York Police Department Analytical Laboratory
- Julie Layshock, B.S., May 2004. McNair Fellow, Metzner Undergraduate Award Winner.
The role of organic matter in soil mercury reduction.
Subsequent success: Ph.D program – Oregon State University
- Nancy Ordenana, B.S., May 2004. McNair Fellow, Metzner Undergraduate Award Winner.
DNA purification for pathogen identification.
Subsequent success: Ph.D program – University of Rochester
- Umme Haidermota, M.S., May 2004.
Effects of hybrid poplar trees on soil mercury fluxes.
Subsequent success: Indianapolis State Police Crime Laboratory

Chad Moore, M.S., May 2004. Metzner Graduate Research Award Winner.

Effects of temperature and radiation on mercury emissions from soil.

Subsequent success: Ph.D program – University of Utah

Theresa Nezezon, M.S., May 2004. U.S. EPA STAR Graduate Fellow

Sources and transport of microsporidia in surface water.

Subsequent success: New Jersey State Police Crime Laboratory

Lisa Evans, B.S., May 2004. McNair Fellow

Phytoremediation of zinc using *Hordeum vulgare*.

Subsequent success: Ph.D program – State University of New York at Stony Brook

Daneille Coye, M.S., May 2004.

Optimization of HPTLC for identifying fiber dyes.

Subsequent success: Ph.D program – CUNY Graduate Center

Jamie Swaitko, M.S., December 2003.

Trace methods development for the identification of estrogen compounds in water.

Subsequent success: New York City Police Department Crime Laboratory

Bladimir Ovando, B.S., May 2002. McNair Fellow, CSTEP NY Research Award Winner.

Phytoremediation of heavy metal pollution.

Subsequent success: **Ph.D. (2008) Toxicology**, State University of New York at Buffalo.

Marcel Roberts, B.S., May 2002. McNair Fellow, CSTEP NY Research Award Winner.

Phytoremediation of cadmium in soil.

Subsequent success: **Ph.D. (2008) Analytical Chemistry**, Boston College.

Yung-fou Chen, M.S., September 2001. Society for Applied Spectroscopy Fellow

Source identification of urban mercury pollution.

Subsequent success: **Ph.D. (2007) Materials Science**, CUNY Graduate Center.

Jeffrey Mital, 2001. U.S. EPA STAR Graduate Fellow

PCR optimization for microsporidia analysis.

Subsequent success: Ph.D program – University of Vermont