

Curriculum Vita
Frank Gallagher Ph.D.
GallagherGreen.com

Work Experience

2010 – present, Research Associate: Montclair State University, affiliated with College of Science and Mathematics.

2009-present, Visiting Scholar: Rutgers the State University, Department of Ecology Evolution and Natural Resources. Working with the Urban Forestry Laboratory to examine the biometrics of vegetative assemblages exhibiting metal induced stress towards the development of a model for the phytostabilization of brownfield soils.

2004-present, Administrator: Division of Parks and Forestry, Office of the Director. Responsible for the future development of Liberty State Park, review and analysis of plans, policy, and projects concerning the current brownfield restoration and redevelopment issues.

1995-present, Adjunct Professor (PTL): Rutgers the State University, Department of Ecology, Evolution and Natural Resources. Instructor of Environmental Issues, a survey course and Open Space Planning and Management a course of practical application.

2007 Columbia University: Visiting Juror: A6853 Design Studio Organized a multidisciplinary collaborative MAAD graduate design studio with Kate Orff

2004 Acting Assistant Director: Division of Parks and Forestry, State Park Service, Oversight of New Jersey's 380,000+ acres of parks, forests, recreation areas.

1994-2004 Administrator: Division of Parks and Forestry; 1994 - 2004. As an administrator within the Office of the Director, I was responsible for the development of site specific general management plans, and the oversight of the division's interpretive and educational programs.

1996–2004 Commissioner: New Jersey Commission on Environmental Education. The Environmental Education Act established the commission in January of 1996. Served as the commission's chair from 1999-2003.

1983-1994 Adjunct Professor of Biology: Upsala College. Responsibilities included instruction in the following courses: Introduction to Biology, Field Biology, Environmental Science and Evolution.

1984-1994 Chief of Interpretive Service: Liberty State Park, DEP. Responsibilities included the design and implementation of a comprehensive interpretive program, including educational programs, teacher training and exhibit development.

1987-1988 Senior Biologist: CDM Inc. CDM is an environmental consulting firm that deals with a wide spectrum of issues.

1986-1987 Senior Biologist: Aware Inc.; 1986-87. Aware Inc. is an environmental consulting firm that deals primarily with toxic and hazardous waste.

1980-1983 Naturalist: High Point State Park; 1980-83. Prepared and presented interpretive and educational programs.

1978-1983 Natural Resource Assistant: Sussex County Soil Conservation District.

Education

2008 Ph.D., Rutgers the State University, Department of Ecology Evolution and Natural Resources.

1989 Post Graduate Work, Rutgers the State University, Graduate School of Education.

1983 M.A., Biology, Montclair State College.
1978 B.A., Botany, Rutgers the State University.

Publications:

- 2010 Gallagher, F.J., Pechmann, I. Holzapfel, C., Grabosky, J. Altered Vegetative Assemblage Trajectories within an Urban Brownfield. *Environmental Pollution*. In review.
- 2010 Hofer C., Gallagher F.J., Holzapfel C. Metal accumulation and growth performance of nestlings of passerine bird species at an urban brownfield site. *Environmental Pollution*. 158:1207–1213.
- 2009 Gallagher, F.J., Pechmann, I., Isaacson B., and Grabosky, J., Morphological Variation in the Seed of *Betula populifolia* Marsh.: A Comparison of Trees from Metal Contaminated Soils. *Urban Habitats*. In press.
- 2008 Gallagher F.J., Pechmann I., Bogden J., Grabosky J., and Weis P. Soil metal concentrations and productivity of *Betula populifolia* (gray birch) as measured by field spectrometry and incremental annual growth in an abandoned urban Brownfield in New Jersey, *Environmental Pollution*. 156:699–706.
- 2008 Gallagher F.J., Pechmann I., Bogden J., Grabosky J., and Weis P. Soil Metal Concentrations and Plant Productivity in an Urban Brownfield, *Environmental Pollution*. 153:351-361.
- 2006 *Exploring Environmental Issues in the Places We Live*. American Forest Foundation. Contributing author and reviewer.
- 1998 Gallagher, F.J. *Branching Out, Risk and Forestry*. American Forest Foundation.
- 1998 Iozzi, L. and Gallagher, F. *Environmental Issues Focus on Risk*. American Forest Foundation.
- 1997 Gallagher, F.J. *The Presidents Message*. The Daily Planet. Vol. 10 No. 3.
- 1995 Gallagher, F.J. *HEP Hits the Road*. The Tidal Exchange Vol. 5. No. 1.
- 1995 Gallagher, F.J. *The Presidents Message*., The Daily Planet Vol.10 No. 2.
- 1993 Gallagher, F.J. *Communication?*, The Daily Planet Vol. 8 No. 2.
- 1990 Gallagher, F.J. *Environmental Education, the Status of the Master Plan.*, The Alliance. Vol. 5. No. 1. .
- 1989 Gallagher, F.J., Kindervatter, D. *Cent' Anni, A Railroad Reborn*. New Jersey Outdoors. Vol. 16. No.5.
- 1989 Gallagher, F.J. *Efforts Towards a Master Plan for Environmental Education*. The Alliance. Vol. 4. No. 3.
- 1989 Gallagher, F.J. *Professionalism in Environmental Education*. The Alliance. Vol. 4. No. 2.
- 1989 Gallagher, F.J. *Should the Three R's End in EE*. The Alliance. Vol. 4. No. 1.
- 1987 Gallagher, F.J. *Wildlife Photographs*. Sussex County Voice.
- 1979 Gallagher, F.J. *Management and Restoration Guide for Sussex County Lakes*. Sussex County Water Quality Management Program. Sussex County S.C.D. & Planning Dept.

Selected List of Recent Fund Raising Initiatives:

2008 Vegetative mapping update for the Liberty State Park upland restoration site, I serve as project manager and Co-PI, Principal investigator Dr. Clause Hozalpfel Rutgers University, Newark NJ, Department of Environmental Protection, appropriation from Liberty State Park Restoration Fund - \$25,000

2007 Soil Metal Characterization for the Liberty State Park restoration project, I served as project manager and Co-PI, Principal investigators Dr. Judith Weis and Dr. Ildiko Peechman, Rutgers University, Newark NJ, appropriation from Liberty State Park Restoration Fund - \$28,000.

2007 Estuarine wetland creation, Congressional Authorization 2007 WRDA bill, Liberty State Park restoration project, I serve as the DEP Project Manager, \$17,000,000. An appropriation is needed.

2006 Freshwater wetland mitigation grant, Principal Investigator, New Jersey Wetland Mitigation Council, \$ 1,500,000.

2005 Soil metal concentration and translocation characterization. I served as project manager and Co-PI, Principal investigator Dr. Peter Weis, University of Medicine and Dentistry, Newark NJ, \$125,000

Select List of Invited Lectures:

2010 "Ecosystem Services and Markets." American Forest Foundation, Project Learning Tree International Conference. Lake Tahoe, Nevada. May 18.

2010 "Phytostabilization of Brownfield Soils." American Institute of Professional Geologist, Annual Meeting, Liberty State Park, Jersey City, New Jersey. May 12.

2010 Shaping the 'City' of New Jersey. A workshop for Rutgers faculty working on urban-suburban issues, Rutgers Cooperative Extension's Environmental and Resource Management County Agents, Non Governmental Organizations (NGOs), and public officials throughout the State to craft sustainable solutions. April 16.

2010 "Brownfields to Greenfields, Ecological Risk and Ecological Function." Jersey City University, Center for Learning and Teaching. Jersey City, New Jersey. March 31.

2010 "Brownfields to Greenfields, The Science and the Art. Association of Science Museum Directors. Mid-Winter Meeting, Liberty Science Center, Jersey City, New Jersey. Feb. 4.

2009 "Ecological Risk Associated with the Phytostabilization of an Urban Brownfield", National Watchable Wildlife Conference Avalon, New Jersey.

2009 "Soil Metal Contamination Influences the Vegetation Assemblage Development of an Urban Brownfield", Annual ESA conference, Albuquerque New Mexico.

2008 "Restoration of Liberty State Park, an Urban Brownfield", National Association of Harbor Estuary Programs, Annual Conference New York, New York.

2008 "Creating and Maintaining Urban Parks" Metropolitan Waterfront Alliance, Annual Conference. New York, New York.

2008 "Parks, People and Place" Keynote address, The New Jersey Tree Federation, 83rd Annual Meeting, cherry Hill New Jersey.

2007 "The Myths Associated with Sustainable Forestry", meeting of the American Forest Foundation. Idaho City, Idaho.

2007 "The Relationship between Soil Metal Load and Vegetative Assemblage Structure, Colombia University, School of Architecture.

- 2007** “Soil Metal Concentrations and Vegetative Assemblage Structure in an Urban Brownfield”, International Society Arboriculture, Conference Hawaii.
- 2006** “Demographic Transition and the Corresponding Need for Natural Resource Based Educational Materials. New Jersey Shade Tree Federation’s annual conference in Cherry Hill, NJ.
- 2005** “Demographic Transition and its Impact on Regional Forest Resources”. The American Forest Foundation’s Project Learning Tree Conference, International Conference. Portland Or.
- 2001** “Connecting Forestry to People”, for the American Forest Foundation, invitation by Princess Abdullah of Jordan, Amman Jordan

Awards

- 2009** Audrey Zapp Environmental Achievement Award, Friends of Liberty State Park
- 2009** Proclamation, Leadership in Ecosystem Restoration, City of Jersey City
- 2008** Running with Scissors, NY/NJ Baykeeper
- 1999** Outstanding Service, USDA, Forest Service Conservation Education Implementation Team
- 1990** Excellence in Environmental Education., New Jersey Audubon
- 1989** Excellence in Environmental Education, the Alliance for New Jersey Environmental Education

Certifications and Licenses

- 1992** Brain-Based Instructional Strategies, Academy for Professional Development, Department of Education.
- 1991** 4 MAT Learning Styles and Modalities, Introductory and Intermediate, Department of Education.
- 1985** Federal Fish Game and Wildlife Service, Special Purpose, Rehabilitation.
- 1983** Federal Fish Game and Wildlife Service, Master Bird Banding Permit.