

## **JEAN MARIE HARTMAN, Ph.D.**

Associate Professor  
Department of Landscape Architecture  
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### **EDUCATION**

- 1984 University of Connecticut. Ph.D. Ecology  
Specialization: Population and community ecology.  
Thesis: The role of wrack disturbance in the vegetation of a New England salt marsh plant community.
- 1981 University of Wisconsin - Madison. M.S. Landscape Architecture  
Specialization: Restoration and management of native plant communities.  
Thesis: A comparison of sampling methods for tall grass prairies in terms of management problems.
- 1976 University of Wisconsin - Madison. B.S. Botany

### **PROFESSIONAL EXPERIENCE AND RESEARCH**

- 2007-2010 Department Chair. Department of Landscape Architecture, Cook College, Rutgers University. New Brunswick, NJ.
- 2005-2007 Interim Department Chair. Department of Landscape Architecture, Cook College, Rutgers University. New Brunswick, NJ.
- 2005 Acting Department Chair. Department of Landscape Architecture, Cook College, Rutgers University. New Brunswick, NJ.
- 1994-present Associate Professor. Department of Landscape Architecture, Cook College, Rutgers University. New Brunswick, NJ.
- 1988-94 Assistant Professor. Department of Landscape Architecture, Cook College, Rutgers University. New Brunswick, NJ.
- 1988 Visiting Lecturer. Department of Landscape Architecture, Rhode Island School of Design. Providence, RI.
- 1986-88 Postdoctoral Research Associate and Lecturer. Department of Landscape Architecture, Graduate School of Design, Harvard University. Cambridge, MA.
- 1984-86 National Research Council Associate. Global Biology Program, NASA Langley Research Center. Hampton, VA.
- 1983-84 Visiting Investigator. Demographic Methods for Prediction of Toxic Substance Effects. Biology, Woods Hole Oceanographic Institution. Woods Hole, MA.
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**PEER REVIEWED PAPERS**

Hartman, J.M., and D. Webb. 2013. A Watershed Event: Communicating Landscape Processes. pp 36-44. IN: Fábos, J.G., Lindhult, M., Ryan, R.L., & Jacknin, M. (Eds). 2013. Proceedings of Fábos Conference on Landscape and Greenway Planning: Pathways to Sustainability. University of Massachusetts, Amherst, April 12-13, 2013. Full papers. Amherst, MA: Department of Landscape Architecture and Regional Planning, University of Massachusetts, Amherst.

Novy, A., S.L. Flory, J.M. Hartman. 2013. Evidence for rapid evolution of phenology in an invasive grass. *Journal of Evolutionary Biology* 26: 443–450.

Novy, A., S.L. Flory, J.A. Honig, and S. Bonos, J.M. Hartman. 2012. Characterization of polymorphic microsatellites for the invasive grass *Microstegium vimineum* (Poaceae). *American Journal of Botany* 99: e56–e58.

Novy, A., P. Smouse, J.M. Hartman, L. Struwe, J. Honig, C. Miller, M. Alvarez, S. Bonos. 2010. Erratum to: Genetic Variation of *Spartina alterniflora* in the New York Metropolitan Area and Its Relevance for Marsh Restoration. *Wetlands* (2010) 30: 1007.

Novy, A., P. Smouse, J.M. Hartman, L. Struwe, J. Honig, C. Miller, M. Alvarez, S. Bonos. 2010. Genetic Variation of *Spartina alterniflora* in the New York Metropolitan Area and Its Relevance for Marsh Restoration. *Wetlands* (2010) 30: 603-608.

Novy, A., J.M. Hartman, P. Smouse, L. Struwe, C. Miller, W. Skaradek, S. Bonos. 2008. *HortScience* 43: 594.

Nordstrom, K.F., J.M. Hartman, A. Freestone, Mark Wong, N.L. Jackson. 2007. Changes in topography and vegetation near gaps in a protective foredune. *Ocean & Coastal Management* 50 (2007) 945–959.

Nordstrom, K.F., N.L. Jackson, J.M. Hartman, Mark Wong. 2006. Aeolian sediment transport on a human-altered foredune. *Earth Surface Processes and Landforms* 32(1): 102 - 115

Bart, D., D. Burdick, R. Chambers, and J. M. Hartman. 2006. Human Facilitation of *Phragmites australis* Invasions in Tidal Marshes: A Review and Synthesis. *Journal Wetlands Ecology and Management* 14(1) 53-65.

Seigel, A., C.A. Hatfield, and J.M. Hartman. 2005. Avian Response to Restoration of Urban Tidal Marshes in the Hackensack Meadowlands, New Jersey. *Urban Habitats* 3(1): 87-116.

Yuhas, C.E., J.M. Hartman, and J.S. Weis. 2005. Benthic Communities in *Spartina alterniflora*– and *Phragmites australis*–Dominated Salt Marshes in the Hackensack Meadowlands, New Jersey. *Urban Habitats* 3(1): 158-191.

Aronson, M. F. J., C. A. Hatfield, and J. M. Hartman. 2004. Plant community patterns of low-gradient forested floodplain wetlands in a New Jersey urban landscape. *Journal of the Torrey Botanical Club* 131(3): 232-242.

Fanqing, C., and J.M. Hartman. 2004. The ecological restoration and management of degraded wetland ecosystem. *Journal of Natural Resources* 19(2): 217-223. (China)

Bart, D.J. and J.M. Hartman. 2003. The Role of Large Rhizome Dispersal and Low Salinity Windows in the Establishment of Common Reed, *Phragmites australis*, in Salt Marshes: New Links to Human Activities. *Estuaries* 26: 437-444.

Raichel, D.L., K. Able, J.M. Hartman. 2003. The influence of *Phragmites* (common reed) on the distribution, abundance and potential prey of a resident marsh fish in the Hackensack Meadowlands, New Jersey. *Estuaries* 26: 511-521.

Bart, D.J and J.M. Hartman. 2002. Constraints on the establishment of *Phragmites australis* in a New Jersey salt marsh and possible links to human disturbance. *Wetlands* 22: 201-213.

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Bart, D.J. and J.M. Hartman. 2000. Environmental determinants of *Phragmites australis* expansion in a New Jersey salt marsh: an experimental approach. *Oikos* 89: 59-69.

Cantelmo, A.J., S.R. Kaufman, and J.M. Hartman. 2000. Mycorrhizal and nitrogen-fixer associations with *Casuarina* sp. and mycorrhizal associations with *Melaleuca quinquenervia* in Everglades National Park. *Florida Scientist* 63(3): 160-166.

Hartman, J.M. 1999. Factors Influencing Establishment Success of *Melaleuca quinquenervia* (Cav.) S.T. Blake in Everglades National Park. Chapter 25 IN: Florida's Garden of Good and Evil. David T. Jones and Brandon W. Gamble, Editors.

Hartman, J.M. 1999. Restoration: Becoming a Science. *Conservation Biology* 13: 946-947. (Book Review of Habitat Creation and Repair by Gilbert and Anderson.)

Jordan, R. and J.M. Hartman. 1996. Effects of canopy opening on recruitment in *Clethra alnifolia* L. (Clethraceae) populations in central New Jersey wetland forests. *Bulletin of the Torrey Botanical Club* 123(4): 286-294.

Jordan, R. and J.M. Hartman. 1995. Characterization of the regeneration niche of *Clethra alnifolia* L. (Clethraceae) in *Acer rubrum* wetland forests. *American Midland Naturalist* 133: 112-123.

Leccese, M., P. Trowbridge, D. Morrison, J.M. Hartman, P. Meyer. May 1994. Expanding the palette: Roundtable on Landscape Architects in creasing their plant expertise. *Landscape Architecture* 84 (5): 58.

Hartman, J.M., J.F. Thorne, and C.E. Bristow. 1993. Variations in old field succession. *Council of Educators in Landscape Architecture Selected Papers Vol. 4*: 55-62.

Royle, D. and J.M. Hartman. 1991. Martha Brookes Hutcheson and her influence on the American landscape. *Council of Educators in Landscape Architecture Selected Papers Vol. 3*: 152-162.

Bartlett, D.S., G.J. Whiting, and J.M. Hartman. 1989. Use of vegetation indices to estimate intercepted solar radiation and net carbon dioxide exchange of a grass canopy. *Remote Sensing of the Environment* 30: 115-128.

Bartlett, D.S., K.B. Bartlett, J.M. Hartman, R.C. Harriss, D.I. Sebacher, R. Pelletier-Trivis, D.D. Dow and D.P. Brannon. 1989. Methane emission from natural wetlands: Associations with surface features and inventory using remote sensing. *Global Biogeochemical Cycles* 3(4):363-374.

Bartlett, D.S., M.A. Hardisky, R.W. Jonson, M.F. Gross, V. Klemas, J.M. Hartman. 1988. Continental scale variability in vegetation reflectance and its relationship to canopy morphology.

Hartman, J.M. 1988. Factors affecting recolonization patterns in salt marsh vegetation. *American Journal of Botany* 75(11):1625-1631.

Hartman, J.M. H. Caswell, and I. Valiela. 1983. Effects of wrack accumulation on salt marsh vegetation. *Oceanol. Act (Proc. European Marine Biol.)*: 99-102.

Hartman, J.M. 1983. Recovery of salt marsh vegetation after coverage by wrack in Great Sippewissett salt marsh. *Estuaries* 8(2B):47A.

Hartman, J.M. 1983. Effects of wrack accumulation on vegetation zones in a New England salt marsh. *Bulletin of the Ecological Society of America* 64:174.

Hartman, J.M. 1983. Disturbance and patch distribution in Great Sippewissett salt marsh, Cape Cod, MA. *Estuaries* 6:311.

Hartman, J.M. 1982. Prairie sampling methods tested for value in management planning. *Restoration and Management Notes* 1(2):14-15.

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Hartman, J.M., M. Engler. 1982. Density effects on growth and survival of *Salicornia bigelovii* and *S. europaea*. *Biological Bulletin* 163:365-6.

Hartman, J.M. 1981. Invertebrate succession on leaf packs in a tropical moist forest stream. *Bulletin of the Ecological Society of America* 62:68.

### **PUBLISHED CHAPTERS, REVIEWS, REPORTS**

Hartman, J.M., D. Smith, Z. Tech Zarny, and J. Quispe. 2017. Jersey City Environmental Resource Inventory.

Miitchell, R.J., and J.M. Hartman. 2017 Tamarack Bog Mitigation Progress Report. Submitted to ACOE, Ohio EPA.

Hartman, J.M., and J. Quispe. 2015. Environmental Resource Inventory for the Borough of Roosevelt, Monmouth County.

Novy, A., J.M. Hartman, L. Struwe, P. Smouse, J. Honig, C. Miller, and S. Bonos. 2008. Patterns of Genetic Variation of *Spartina alterniflora* in Marshes of the New York Metropolitan Area and Significance for Marsh Restoration. A report to The U.S. Army Corps of Engineers November 2008.

Breeden, T.F., J.M. Hartman, M. Anzelone, and J.F. Kelly. 2006. Endangered Plant Species Populations in New Jersey: Health and Threats. New Jersey Department of Environmental Protection, Division of Parks and Forestry, Office of Natural Lands Management, Natural Heritage Program, Trenton, NJ.  
(<http://www.state.nj.us/dep/dsr/plant/finalreport.pdf> )

Tulloch, D.T., and J.M. Hartman. 2005. Moving the Appalachian Trail: Inventory, Analysis, Models. ([proceedings.esri.com/library/userconf/proc05/papers/pap2060.pdf](http://proceedings.esri.com/library/userconf/proc05/papers/pap2060.pdf))

Hatfield, C., J.T. Mokos, J.M. Hartman and M.B. Kaplan. 2004. Development of Wetland Quality and Function Assessment Tools and Demonstration. For New Jersey Department of Environmental Protection.  
(<http://www.state.nj.us/dep/dsr/wetlands2/report.pdf> )

Hatfield, C., J.T. Mokos, J.M. Hartman and M.B. Kaplan. 2004. Testing a Wetlands Mitigation Rapid Assessment Tool at Mitigation and Reference Wetlands within a New Jersey Watershed. For New Jersey Department of Environmental Protection. (<http://www.state.nj.us/dep/dsr/wetlands2/WMQAJUNE04.pdf> )

Tulloch, D.T., and J.M. Hartman. 2003. Re-Thinking the Appalachian Trail in New York: Inventory, Analysis, Models. New England Greenways Symposium.

Hartman, J.M., N. Shao, J. Hasse, and D. Tulloch. 2003. The Value of Green in the City: Analyzing Relationships of Housing Values to Components of Urban Forestry using GIS and Remote Sensing Imagery. For USDA Forest Service.

Hartman, J.M. and D.J. Bart. 2003. Phragmites Control: Progress on Monitoring Tidal Restoration Projects in the New Jersey Meadowlands, District Summary Report for Task 4. Report Number 8. For New Jersey Meadowlands Commission.

Hartman, J.M., T. Shapiro, M. Wong. 2003. Evidence of Landcover and Landuse Change in the New Jersey Meadowlands District. For New Jersey Meadowlands Commission.

Hartman, J.M., M. Norris, M. Bakacs. 2002. Status Report for the Hydrogeomorphic Model Development for the Intertidal Wetlands of the Hackensack Meadowlands District. For New Jersey Meadowlands Commission.  
Hartman, J.M. 2002. Summary on Monitoring and Experimentation at Tidal Restoration Project Sites in the New Jersey Meadowlands District. For New Jersey Meadowlands Commission.

Feltes, R. M., & Jean Marie Hartman (eds.). 2002. Progress on Monitoring Tidal Restoration Projects in the

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Hackensack Meadowlands District for the Period January 1, 2002 to June 30, 2002. Report Number 7. Rutgers University. For New Jersey Meadowlands Commission.

Feltes, R. M., Jean Marie Hartman, & Andrew Krivenko (eds.). 2002. Progress on Monitoring Tidal Restoration Projects in the Hackensack Meadowlands District for the Period January 1, 2001 to June 30, 2001. Report Number 5. Rutgers University. For New Jersey Meadowlands Commission.

Feltes, R. M., Jean Marie Hartman, & Andrew Krivenko (eds.). 2001. Progress on Monitoring Tidal Restoration Projects in the Hackensack Meadowlands District for the Period July 1, 2001 to December 31, 2001. Report Number 6. For New Jersey Meadowlands Commission.

Hartman, J. M. 2001. Harrier Meadow Wetlands Mitigation Site Fourth Annual Monitoring Report. Rutgers University. For New Jersey Meadowlands Commission.

Hartman, J. M. 2001. Harrier Meadow Wetlands Mitigation Site Third Annual Monitoring Report. Rutgers University. For New Jersey Meadowlands Commission.

Hartman, J. M., Ross M. Feltes, & Andrew Krivenko (eds.). 2001. Progress on Monitoring Tidal Restoration Projects in the Hackensack Meadowlands District for the Period January 1, 2000 to December 31, 2000. Report Numbers 3 & 4. Rutgers University.

Hartman, J.M. 2001. Summary of Proposed Activities for July 1, 1999 Through June 30, 2000: Monitoring Tidal marsh Restoration projects in the Hackensack Meadowlands. For New Jersey Meadowlands Commission.

Hartman, J. M. 2000. Harrier Meadow Wetlands Mitigation Site Second Annual Monitoring Report. Rutgers University. For New Jersey Meadowlands Commission.

Hartman, J.M. 1999. Factors Influencing Establishment Success of *Melaleuca quinquenervia* (Cav.) S.T. Blake in Everglades National Park. Chapter 25 IN: Florida's Garden of Good and Evil. David T. Jones and Brandon W. Gamble, Editors.

Hartman, J.M. 1999. Restoration: Becoming a Science. Conservation Biology 13: 946-947. (Book Review of Habitat Creation and Repair by Gilbert and Anderson.)

Hartman, J.M. and A. Krivenko. 1999. Progress on Monitoring Tidal Restoration Projects in the Hackensack Meadowlands District for the Period July 1, 1999 to December 31, 1999 Report Number 2. For New Jersey Meadowlands Commission.

Hartman, J. M. & Kelly J. Smith. 1999. Progress on Monitoring Tidal Restoration Projects in the Hackensack Meadowlands District. Report Number 1. Rutgers University. For New Jersey Meadowlands Commission.

Hartman, J. M. 1999. Harrier Meadow Wetlands Mitigation Site First Annual Monitoring Report. Rutgers University. For New Jersey Meadowlands Commission.

Hartman, J.M. 1997. Recommendations for Beech Woods Restoration Plan. 40 pp. (with appendices and maps).

Hartman, J.M., and S. Strom. 1996. The Newark Urban Forestry Project: Findings and Recommendations. Center for Land Planning and Design (New Jersey). 37pp. (plus Appendices and Maps).

Strom, S., and J.M. Hartman. 1995. The East Orange Urban Forestry Project: Findings and Recommendations. Center for Land Planning and Design (New Jersey). 24 pp. (plus Appendices and Maps).

Hartman, J.M. and S. Strom. 1994. Land Planning in the 90's: Annotated Bibliography. Center for Land Planning and Design (New Jersey).

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Hartman, J.M., and C.E. Bristow. 1993. Restoration experiment reveals factors in old-field succession. *Restoration and Management Notes* 11(1): 73.

Hartman, J.M. 1993. Natural Resources Inventory: Phases II and III: Borough of Roosevelt, Monmouth County, New Jersey.

Hartman, J.M., A. Delafosse, and the Advanced Landscape Architecture Class, Spring 1992. 1993. Factors influencing sedimentation in Ravine Lake.

Madry, S.L.H., J.M. Hartman, T. Airola, and R. Lathrop. 1992. A wetland mitigation siting study of the Raritan River Basin using geographic information systems technology. Cook College Remote Sensing Center Report. 84 pp. plus appendices.

Strom, S. and J.M. Hartman. 1992. Potential study sites: Newark urban forestry demonstration project.

Hartman, J.M., and the Advanced Landscape Architecture Class, Spring 1991. 1991. Natural Resource Planning for Tewksbury Township.

Hartman, J.M., and K. Poole. 1988. Sustainable Arid Landscapes: A Technical Report. The Aga Khan Unit for Housing and Urbanization, Graduate School of Design, Harvard University.

Hartman, J.M. 1985. Factors affecting recolonization of small disturbance patches in a New England salt marsh. *Bulletin of the Ecological Society of America* 66:189.

Valiela, I., J.M. Teal, C. Cogswell, J.M. Hartman, S. Allen, R. Van Etten, D. Goehinger. 1985. Some long term consequences of sewage contamination in salt marsh ecosystems. pp. 301-316. **IN** P.J. Godfrey et al. (eds.) *Ecological Considerations in Wetlands Treatment of Municipal Wastewater*. Van Nostrand-Reinhold, N.Y.

Hartman, J.M. 1984. The role of wrack disturbance in the vegetation of a New England salt marsh. Ph.D. Dissertation. University of Connecticut.

Merkel, S., J.M. Hartman, and R. Howarth. 1983. Sulfate reduction following marsh grass die-back. *Biological Bulletin* 165:509.

Woodwell, G.M., J.J. Cole, and J.M. Hartman. 1983. Biotic Impoverishment: A review of experience in terrestrial and aquatic communities. Report to Ecosystems Center, Cornell University.

Hartman, J.M. 1981. A comparison of sampling methods for tall grass prairies in terms of land management problems. Masters Thesis. University of Wisconsin – Madison.

#### **RECENT REVIEWED or INVITED PRESENTATIONS and EXHIBITIONS**

Buono, C.M., M. Marvosa, E. Nagele, J. J. Quispe, L. Brindisi, J. M. Hartman. 2015. Influence of forest structure and soil composition on watershed performance and management. 100<sup>th</sup> Annual Ecological Society of America Conference.

Brindisi, L., D. Casey, J. M. Hartman. 2015. Impacts of forest structure on watershed performance. 100<sup>th</sup> Annual Ecological Society of America Conference.

Quispe, J.J., Rutgers University, J. M. Hartman, C. Buono, D. Blystone, L. Upadhyay. 2015. Influence of riparian forest composition and land use on watershed performance and management planning. 100<sup>th</sup> Annual Ecological Society of America Conference.

Hartman, J.M., and D. Smith. 2015. Environmental Resources and Issues: Investigation of Design Solutions for Jersey City. Coursework from Fall 2014 11:550:331 exhibited at Casa Colombo in Jersey City. June 11- August 27, 2015.

Hartman, J.M. and A. Bakshi. 2015. Building Studies: An Archive of Jersey City Architecture. Coursework from

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Fall 2014 Exhibited at Casa Colombo in Jersey City. June 11 – August 27.

“Communicating Watershed Processes in a Parking Lot.” 2014. Council of Educators in Landscape Architecture.

“Witnessing History at the Corner: Square 575 of the U.S. Capitol Grounds.” 2014. Council of Educators in Landscape Architecture.

CELA 2014. First Annual Art Exhibit. “Watershed Event” and “Water Table.”

Juried Show: “Synaptic Lab, Ground Water I and Ground Water IV” IN: “Earth Moves: Shifts in Ceramic Art and Design Exhibition” ; Show Juried by National Council on Education for the Ceramic Arts at Arvada Center for Arts and Humanities, September 12 – November 10, 2013. <http://nceca.net/static/2013EarthMoves.php>  
<https://www.flickr.com/photos/arvadacenter/sets/72157634872142923/show/with/9410170730/>  
Reviewed in: [http://media.icompendium.com/shanasal\\_EarthMoves-Salaff.pdf](http://media.icompendium.com/shanasal_EarthMoves-Salaff.pdf)

“Landscape Alternatives to Lawns.” Organic Lawn Care Certification Course. Jan. 2013. Rutgers New Jersey Agricultural Experiment Station.

“Stormwater Management Practices for Lawrence Brook Watershed.” Exhibition of Student Projects. Milltown Library, Jan. 2013.

“Ground/Water” multiple pieces in Art Exhibition at Sculpture Center, Cleveland, OH. 2011.  
[http://sculpturecenter.org/show\\_details/2011\\_Late\\_Fall\\_GroundWater.html](http://sculpturecenter.org/show_details/2011_Late_Fall_GroundWater.html)

“Approaches to Ecological Research in the New Jersey Meadowlands.” Biology Department. University of Akron, 9 April, 2012.

“Revealing Water”. LAWRENCE BROOK WATERSHED PARTNERSHIP INC. Tuesday, February 21st, 7:30PM, 2012.

“Designing in Sustainability: at the Intersection of Design and Ecology”. Panel participant with Adele Ashkar and Mary Myers. “Turning a New Leaf” Conference” for Chesapeake Conservation Landscaping Conference. Friday, December 2, 2011

“Plant Community Succession: Applications for Design and Management”. 21st Annual Native Plants in the Landscape Conference, Millersville, PA. June 11, 2011.

“Ecology for Landscape Practitioners” and discussion participant for Nature’s Patterns & Processes: Science into Design Session at Natural Landscape Design Meadows & Woods by NEW DIRECTIONS IN THE AMERICAN LANDSCAPE. February 23-25, 2011.

Hartman, J.M. 2010. Landscape Architecture in the Land Grant Mission.  
<http://www.aplu.org/document.doc?id=2660>

## **HISTORY OF GRANT SUPPORT**

Delaware Watershed Initiative, William Penn Foundation. 2016-2019. Research for Targeting Regulatory Protections to Vulnerable Forests in the Delaware River Watershed. (PI with Co-PI’s Karen Capiella and Will Price)

McIntire-Stennis Project, NJAES, Rutgers. 2016-2019. Protection Plans and Needs for Forests in the Raritan Basin, NJ. (PI)

National Fish and Wildlife Federation. 2014-2016. “Use green and grey infrastructure to strengthen Marshes Creek and the local Community in Linden, New Jersey.” (Co-PI, with Qizhong Guo (PI), Nicole Fahrenfeld, and JoAnna Burger)

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McIntire-Stennis, NJAES, Rutgers. 2013-2016. "The Role of Forested Landscapes in Watershed Management Planning."

McIntire-Stennis, NJAES, Rutgers. 2010-2013. "Patterns of Plant Evolution during Temperate Forest Invasion by *Microstegium vimineum* (Japanese Stilt Grass) and Implications for Forest Management Practices"

National Park Service sub-contract through University of North Carolina-Wilmington. "St. Croix Site Planning Project." 2010-2012. (PI, Collaboration with Holly Nelson and David Tulloch)

Weequahic Park Association. "Forestry and Botanic Inventory and Analysis, and Management Recommendations for Weequahic Park, Essex County, NJ." 2003-2004. (Co-PI, Collaboration with S. Handel)

New Jersey Sea Grant. "Assessing Sediment Transport on Coastal Dunes." 2002-2004. (Co-PI, Collaboration with Karl Nordstrom, and Nancy Jackson)

U.S. Fish and Wildlife Service. "Historical Ecology of the Great Swamp." 2002-2004 (PI, Collaboration with E. Southgate and J. Momsen)

New Jersey Department of Environmental Protection "Testing a Wetlands Mitigation Rapid Assessment Tool at Mitigation and Reference Wetlands Within A New Jew Jersey Watershed." 2000-2002. (Co-PI, Collaboration with C. Hatfield)

Meadowlands Environmental Research Institute. "Vegetation History and Land Use Maps for the Hackensack Meadowlands District." 2000-2001 (PI, Collaboration with E. Russell)

New Jersey Department of Environmental Protection. "Development of Wetland Quality and Function Assessment Tools and Demonstration." 1998-2001 (PI, Collaboration with C. Hatfield)

Hackensack Meadowlands Development Commission. "Monitoring of Three Wetland Restoration Projects." 1998-2006. (PI)

USDA Forest Service. "Reforestation potential of hemlock-hardwood stands following large scale hemlock mortality." 1998-1999. (PI)

NJ Department of Environmental Protection. "Analysis of endangered plant species population health and threats." 1998-2001. (Co-PI, Collaboration with T. Breden, NJDEP) .

New Jersey Department of Environmental Protection. "Assessing The Hydrogeomorphic Model for Wetlands Assessment in New Jersey." 1997-2002. (PI, Collaboration with C. Hatfield)

US National Arboretum. "Recommendations for restoration of Beech Woods." 1997. (PI)

USDA Forest Service. "The Influence of Trees on the appraisal value of urban land." 1996-1999. (PI, Collaboration with S. Strom and D. Tulloch)

Ducks Unlimited/Hackensack Meadowlands Development Commission. "Pre-restoration site analysis for Harrier Meadow." 1996-1998. (PI)

New Jersey Agricultural Experiment Station Special Initiatives. "Establishment of soil processes in restored sites." 1995. (PI)

Clayton Mining Corporation. "Population ecology of the rare plant, *Chrysopsis falcata*." 1994-1997. (PI, Collaboration with S. Handel)

US DOI-NPS. "Affects of Hurricane Andrew on the spread of invasive species." 1994-1997.

Chemical Waste Management Inc. "Ecological Factors Influencing the Restoration of a Population of *Helonias bullata* in a Southern New Jersey Wetland." 1993-1997.

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New Jersey Agricultural Experiment Station. "Restoration of community processes in constructed wetlands." 1993-1995

New Jersey Office of State Planning. "The use of geographic information systems in the designation of scenic highways." 1993-94. (PI, Collaboration with Cook College Remote Sensing Center)

New Jersey Department of Transportation. "Wetland mitigation site selection in Passaic County" (Co-PI, Collaboration with Cook College Remote Sensing Center). 1993-1994.

Rutgers Research Council. "The influence of Martha Brookes Hutcheson on Landscape Architecture." 1993.

New Jersey Agricultural Experiment Station. "Potential beneficial uses of municipal solid waste compost for land reclamation." 1992-1995.

New Jersey Department of Environmental Protection and Energy. "Urban Forestry: Applications for Two New Jersey Cities." 1992-1994. (Co-PI, Collaboration with S. Strom)

New Jersey Department of Transportation. "Wetland mitigation for the Route 18 realignment project." 1992-1993. (Co-PI, Collaboration with Cook College Remote Sensing Center)

McIntire-Stennis Project 84301, New Jersey Agricultural Experiment Station. "Controls of native plant establishment and persistence." 1988-1997.

## HONORS AND AWARDS

2010	Synapse Group, Invited Member (ongoing)
2007	Certificate of Appreciation. "Outstanding Service In Efforts to Advance the Profession of Landscape Architecture." NJASLA
2002-5	Visiting Professor of Restoration Ecology. Three Gorges University, Yichang, Hubei Province, Peoples Republic of China.
1997	NJ APA Creative Planning Award with March Associates for Lubbers Run Greenway Design.
1995	NJASLA Honor Award for Communication, with R. Wood and S. Strom.
1995	NJASLA Merit Award for Landscape Planning, with S. Strom.
1995	Certificate of Appreciation. New York City Audubon Society.
1994	Award of Distinction. Council of Educators in Landscape Architecture.
1992	Merit Award for Research, American Society of Landscape Architects, New Jersey Chapter.
1992	Creative Land Planning Award for Tewksbury Open Space Study. New Jersey Federation of Planning Officials.
1991	Citation of Merit for Creative Design. New Jersey Federation of Planners.
1990	Faculty Advisor - 3rd Place. Environmental Management Competition, Environmental Expo Advisory Board and New Jersey Department of Environmental Protection.
1990	Faculty Advisor - Honorable Mention. Environmental Management Competition, Environmental Expo Advisory Board and New Jersey Department of Environmental Protection.

## THESES DIRECTED

Bo Young Park. 2016. MLA. The relationship between land use and water quality in two sub-watersheds of the Raritan river, NJ.

Tyson Triplett. 2015. MLA. Best Management Practices for Warm Season Grass Meadows.

Adam Cesanek. 2013. MLA. Artful Rainwater Design in the Emerald City: Classifying Philadelphia's Stormwater Management Systems.

Ari E. Novy. 2012. Ph.D. Plant Biology. Evolutionary and demographic processes in the invasive weed *Microstegium vimineum*. xiv, 201p.

Joseph Cherichello. 2012. M.L.A. The ecological design of a trail system through a brownfield redevelopment at Liberty State Park. 133 p.

Alexandra Emily Chen Fowler. M.S. Plant Biology. 2011. The long-term impact of initial resource availability and seed bank on woody vegetation during early succession on the New Jersey Piedmont. xix, 140 p. : ill.

Bonnie Farrell. M.S. Plant Biology. 2008. Histological documentation and ecological implications of bulbils in *Aconitum noveboracense* (RANUNCULACEAE), a federally protected, threatened plant species.

Jennifer Momsen. Ph.D. Ecology and Evolution Graduate Program. 2007. Multi-scale approach to reconstructing landscape history in the Great Swamp National Wildlife Refuge, Morris County, New Jersey.

Polly Hicks. M.S. Ecology and Evolution Graduate Program. 2004. Seed dispersal dynamics and vegetation community development in a restored brackish marsh :implications for restored brackish marsh: implications for restoration and management.

David Bart. Ph.D. Ecology and Evolution Graduate Program. 2003. Environmental determinants of *Phragmites australis* invasion in a New Jersey salt marsh: Interactions among human activities, disturbance, and edaphic conditions.

Jocelyn Tutak. 2003. G.H. Cook Honors Thesis. Patterns of seedling establishment in Kearny Marsh, New Jersey.

Myla Johnson. 2002. Floodplain forest vegetation, soils, and land use of the Upper Passaic River Basin, NJ.

Cathy Yuhas, M.S. Environmental Science, NJIT. 2001. Benthic communities in *Spartina alterniflora* and *Phragmites australis* dominated salt marshes.

Julie Conklin. G.H. Cook Honors Thesis. 2001. Effects of herbivores on selected salt marsh flora.

Diana Raichel. M.S. Ecology and Evolution Graduate Program. 2000. The influence of *Phragmites* dominance on marsh nekton.

JoAnna Heberger. Ph.D. Ecology and Evolution Graduate Program. 2000. The effects of soil amendments on Mycorrhizae and growth of *Quercus rubra* (Northern Red Oak) seedlings.

Jamie Morf. B.S. Departmental Thesis. 2000. College Avenue Campus Gateways: Analysis and Proposals.

Sylvan Kaufman. Ph.D. Ecology and Evolution Graduate Program. 1999. The effect of habitat and species characteristics on the invasiveness of *Melaleuca quinquenervia* (Cav.) Blake.

Eliza Goodwin. M.S. Ecology and Evolution Graduate Program. 1999. The influence of some environmental factors on germination and early seedling growth of *Nartheicum americanum* Ker Gawler (Liliaceae).

Melanie McCool. G.H. Cook Honors Thesis. 1998. Avian community ecology in the hemlock forest of northern New Jersey: Possible response to hemlock decline.

Claire Homitzky. G.H. Cook Honors Thesis. 1997. Prospects for a sustainable agriculture in Greene County, NY.

Andrew Bersch. Rutgers Honors Thesis. 1996. Genetic variation in five populations of swamp pink, *Helonias bullata* (Liliaceae).

Lisa Boyles. M.S. Ecology and Evolution Graduate Program. 1996. Use of municipal solid waste compost in landscape restoration.

Owen Boyle. G.H. Cook Honors Thesis. 1996. Reestablishment of Atlantic White Cedar after fire.

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Denise Royle. M.S. Ecology and Evolution Graduate Program. 1996. Monitoring Hemlock Decline in Northern New Jersey.

Jill Dodds. M.S. Plant Biology Graduate Program. 1995. Restoration of *Helonias bullata* to its natural habitat.

Robert Jordan. Ph.D. Ecology and Evolution Graduate Program. 1993. Demography and Recruitment in Shrub Communities of *Acer rubrum* Swamp Forests of Central New Jersey.

Mike Van Clef. G.H Cook Honors. 1993. Effects of Habitat Isolation on the Reproductive Biology of *Cornus amomum*.

Dawn Holt. G.H. Cook Honors, 1993. Habitat Assessment Techniques for the Wood Turtle.

Michael Renda. M.S. Ecology and Evolution Graduate Program. 1991. Dispersal, Germination, and Establishment patterns of Eastern Red Cedar, *Juniperus virginiana* L.

Denise Royle. G.H. Cook Honors, 1990. Martha Brookes Hutcheson and her Influence on the American Landscape.

### **Masters Projects Directed**

Matt Sudberg. 2014. Understanding Lateral Effects of Human Development Through the Use of Integrated Watershed Modeling Systems. M.L.A.

Kristopher A. Kemper. 2013. Transforming a Former Airfield for Grassland Bird Conservation and Education. M.L.A.

Eric Maietta. 2013. Exploring the Influence of Climate Change on Native Shrubs of the Northeast. M.L.A.

### **Graduate Program Committees**

Johnny Quispe. (Sept. 2015- present) Ecology and Evolution. Chair.

Ellen Oettinger. (April 2014-present) Landscape Architecture. Chair.

Boyoung Park. (April 2014-present) Landscape Architecture. Chair.

Breanna Roble. (April 2014- present. G.H. Cook Thesis. Reader

Joseph Rua. (June 2014 – present) Ecology and Evolution. Chair.

Xiaoxia Wang. (April 2013 – present) Landscape Architecture. Member.

Tyson Triplett. (April 2013-present) Landscape Architecture. Member.

Han Yan. (April 2013-May 2014) Landscape Architecture. Member. MLA Completed.

Kristine Kopia. (April 2012-May 2013) Landscape Architecture. Member. MLA Completed.

Mukta Jadhav. (April 2012-May 2013) Landscape Architecture. Member. MLA Completed.

Eliot Nagele. (April 2011- present). Independent Study and G.H Cook Thesis. Advisor.

Kimberly Corbo Nuccio (April 2011-May 2012) Landscape Architecture. Member. MLA Completed.

Laura Shappell. (2010-2016) Ecology and Evolution. Member. Ph.D. completed Jan. 2016

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