Amy R. Tuininga

Curriculum Vitae

Montclair State University, 1 Normal Avenue, Montclair, NJ 07043

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**Professional Appointments:**

2015 - present Director, PSEG Institute for Sustainability Studies, Montclair State University

2015 Interim Chief Research Officer, Office of the Provost, Fordham University

2015 Interim Associate Vice President for Academic Affairs, Office of the Provost,

Fordham University

2012 - 2015 Co-Director, Bronx Science Consortium, Office of the Provost, Fordham

University

2010 - 2015 Associate Professor, Department of Biological Sciences, Fordham University

2014 Acting Chief Research Officer, Office of the Provost, Fordham University

2010 - 2014 Associate Dean for Strategic Initiatives, Partnerships and Assessment, Graduate School of Arts and Sciences, Fordham University

2008 - 2010 Associate Chair of Graduate Studies, Department of Biological Sciences,

Fordham University

2001 - 2010 Assistant Professor, Department of Biological Sciences, Fordham University

2000 - 2001 Assistant Professor, Department of Biological Sciences, Rowan University

##### Education:

## Rutgers University (New Brunswick, NJ) Ecology and Evolution PhD 1996-2000

## Oregon State University (Corvallis, OR) Botany and Plant Pathology MS 1993-1995

## University of Washington (Seattle, WA) Botany BS 1986-1991

**Honors and Awards:**

Higher Education Student Award Winning Teams: The 2018 PSEG Institute for Sustainability Studies Green Teams at Montclair State University: Team Hackensack Meridian Health, Team NJM, Team PGIM Real Estate. United States Green Building Council - New Jersey Chapter, May 22, 2019

Lead NJ Fellow, 2018

Rutgers 250 Fellow Distinguished Alumna, Rutgers University, 2016

Outstanding Service Award: Recognition of Dedication, Commitment, and Service to Students, Collegiate Science Technology Entry Program (CSTEP), Fordham University, 2015

Building Bridges and Spanning Boundaries: Innovations in Research and Research Education, American Association of Medical Colleges, 2014

Undergraduate Teaching Award in the Natural and Life Sciences, Fordham University, 2009

Rutgers University Graduate School Travel Grant, Rutgers University, 1998 & 1999

Mycological Society of America Graduate Student Fellowship, 1997

College of Agricultural Sciences Registry of Distinguished Students, Oregon State University, 1995

Nominee for Savery Outstanding Graduate Student Award, Oregon State University, 1995

Mycological Society of America Best Poster Award, 1995

National Network for Environmental Management Studies Fellowship, US EPA, 1995

Mycological Society of America Travel Grant, 1994 & 1997

Oregon State Lottery Scholarship, Oregon State University, 1994

EPA Training Grant, US EPA, Western Environmental Division, 1993

Botanical Society of America Young Botanist Award, 1991

Howard Hughes Undergraduate Internship Recipient, 1990

**Grants and Funding (over $9,800,000 total):**

**National Science Foundation,** NSF HSI (Hispanic-Serving Institutions) HRD # 1953631[A.R. Tuininga (PI), N.M. Goodey (Co-PI), Y. Bessen-Casino (Co-PI), L. Billings (Co-PI)] – *“Partnered Internships: Including Families, Faculty, and Industry in STEM Education to Improve Success in STEM Career Pathways”*, Awarded $2,000,000 on 4/30/2020.

**National Science Foundation,** NSF IUSE (Improving Undergraduate STEM Education)DUE # 2013495[A.R. Tuininga (Co-PI), N.M. Goodey (PI), E. Emery (Co-PI) – *“Developing STEM Literacy and Career Paths through Inclusive Team Internships”*, Awarded $600,000 on 4/23/2020.

**New Jersey Resources** [A.R. Tuininga (PI)], “*Green Teams: Community Energy Efficiency*”, Awarded $50,000 on 4/1/2020.

**New Jersey Manufacturers Insurance** [A.R. Tuininga (PI)], “*Work to Succeed*”, Awarded $5000 on 1/30/2020.

**Stryker** [A.R. Tuininga (PI)], “*Work to Succeed*”, Awarded $5000 on 5/1/2019.

**New Jersey Resources** [A.R. Tuininga (PI)], “*Green Teams: AI and Renewable Natural Gas*”, Awarded $100,000 on 4/1/2019.

**New Jersey American Water** [A.R. Tuininga (PI)], “*Watershed Management*”, Awarded $5000 on 8/7/2018.

**Academic Institutions Support: Fairleigh Dickinson University, Montclair State University, Princeton University, Ramapo College, Rowan University, Rutgers University** [A.R. Tuininga (PI)], “*Green Teams*”, Awarded $156,000, 8/2017-5/2019.

**New Jersey Manufacturers Insurance** [A.R. Tuininga (PI)], “*Work to Succeed*”, Awarded $5000 on 1/22/2019.

**VentureWell** #17363-18[A.R. Tuininga (PI)], “*Green Teams: Creating a Process for Sustainable Technology Product Development*”, Awarded $31,000 on 7/1/2018.

**Sustainable Jersey – The Gardinier Fund** [to Jersey City with subcontract to Montclair State University - A.R. Tuininga (PI)], “*Jersey City Greenhouse Gas Inventory*”, Awarded $30,000 with a subcontract to Montclair State of $26,736 on 5/10/2018.

**Hackensack Meridian Health** [A.R. Tuininga (PI)], “*Sustainability Programs*”, Awarded $1500 - 5/4/2018.

**New Jersey Manufacturers Insurance** [A.R. Tuininga (PI)], “*Work to Succeed*”, Awarded $5000 on 3/22/2018.

**PSEG Foundation** [A.R. Tuininga (PI), P. Lal (Co-PI)], “*STEM Education and Clean Energy Research*“, Awarded $1,300,000 on 3/19/2018.

**Goya** [A.R. Tuininga (PI)], “*Innovations in Food Sustainability*”, Awarded $1500 on 2/8/2018.

**National Science Foundation,** NSF INCLUDES (Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science)INCLUDES/DBI#1744460[A.R. Tuininga (PI), P. Lal (Co-PI), A. Vasishth (Co-PI)] – *“Sustainability Teams Empower and Amplify Membership in STEM (S-TEAMS)”*, Awarded $300,000 on 9/8/2017.

**New Jersey Manufacturers Insurance** [A.R. Tuininga (PI)], “*Sustainability Initiatives*”, Awarded $5000 on 4/26/2017.

**Gabel and Associates** [A.R. Tuininga (PI)], “*Energy Analysis Internship*”, Awarded $575.25 on 2/14/2017.

**Food and Water Watch** [A.R. Tuininga (PI)], “*Water Bottle Filling Station Challenge*”, Awarded $1500 on 12/6/2016.

**New Jersey American Water** [A.R. Tuininga (PI)], “*Water Bottle Filling Station Challenge Match*” Awarded $3000 on 9/23/2016.

**Grants and Funding (Cont.):**

**PSEG Foundation** [A. R. Tuininga (PI)], “*Advancing Sustainability Science and Resilient Communities*”, Awarded $1,000,000 on 6/5/2014, transferred from R. Prezant to A.R. Tuininga to serve as PI.

**Clare Boothe Luce Program at the Henry Luce Foundation** [A.R. Tuininga (PI)] – “*Clare Boothe Luce Program - 25th Anniversary Professors Conference*”, Awarded $225,000 on 12/1/2014.

**National Science Foundation** AISL #s1421019, 1421017[K. Tingley (PI), A.R. Tuininga (PI), J.D. Lewis (Co-PI), J.A. Clark (Co-PI)] – *“Project TRUE (Teens Researching Urban Ecology”,* Awarded $2.6m on 9/1/2014, transferred from A.R. Tuininga to J.D. Lewis to serve as PI.

**National Center for Science and Civic Engagement** [K. Tingley (PI), A.R. Tuininga (PI)] – “*Project TRUE (Teens Researching Urban Ecology)*”, Awarded $50,000 on 8/9/2013.

**Wildlife Conservation Society** [A.R. Tuininga (PI)] – “*Teens Researching Urban Ecology – Graduate Assistantship Support*”, Awarded $23,200 on 7/1/2014; $36,000 on 7/1/2013; $36,000 on 7/1/2012; $18,000 on 1/1/2012.

**National Institutes of Health #**1R21AI075238-01 [A.R. Tuininga (Co-PI), T. Daniels (PI), R. Falco (Co-PI)

– “*Regulating I. scapularis and the role of entomopathogenic fungi*”, Awarded $387,918 on 9/30/2007.

**Fordham Faculty Research Grant** [A.R. Tuininga (PI)] – “*Ecology of fungi pathogenic to ticks*”. Awarded $13,100 on 4/28/2006.

**National Science Foundation – Field Stations and Marine Laboratories** FSML #0434799 [A.R. Tuininga (Co-PI), J. Wehr (PI), J.D. Lewis (Co-PI)] – “*Graduate student housing at the Louis Calder Center – Biological Field Statio*n”, Awarded $202,697 on 5/17/2005.

**Fordham Faculty Research Grant** [A.R. Tuininga (PI)] – “*The effect of urbanization on invasiveness of plant species and associated soil conditions along an urban-to-rural gradient*”. Awarded $4000 on 4/1/2005; I declined this grant because of change in lab resources.

**New Jersey Department of Environmental Protection** [A.R. Tuininga (Co-PI), J. Dighton (PI), D.M. Gray (Co-PI)] – “*Changes in forest health and nutrient cycling resulting from atmospheric deposition of nitrogen*”. Awarded $85,000 in 10/2003.

**United States Department of Agriculture National Research Initiative - Soils and Soil Biology**

# 0196496 [A.R. Tuininga (Co-PI), J.D. Lewis (PI), J. Johnson (Co-PI)] – “*Effects of host defoliation and distribution on spatial patterns in ectomycorrhizal fungi*”. Awarded $310,000 on 6/18/2003.

**National Science Foundation** [A.R. Tuininga (subcontractee), P.M. Groffman (PI), T.J. Fahey (Co-PI), P.J. Bohlen (Co-PI)] – “*Invasion of north temperate forest soils by exotic earthworms*” #9726869; $847,517 – Subcontract $17,655 awarded to Tuininga on 4/01/2003.

**New Jersey Department of Environmental Protection** [A.R. Tuininga (Co-PI), J. Dighton (PI), D.M. Gray (Co-PI), L. Jonsson (Co-PI)] – “*Assessing impacts of atmospheric deposition on NJ forests 2003-2004*”. Awarded $85,000 in 4/2003.

**United States Department of the Interior, Fish and Wildlife Service** [A.R. Tuininga (PI), J. Dighton (Co-PI)] – “*Effects of fire on the ericaceous understory and edaphic factors and their role in P cycling in the pine barrens ecosystem at Upton Ecological and Research Reserve: Implications and management*”. Awarded $24,983 on 4/14/2003.

**New Jersey Department of Environmental Protection** [A.R. Tuininga (Co-PI), J. Dighton (PI), D.M. Gray (Co-PI), L. Jonsson (Co-PI)] – “*Refining methods of biotic indicators of atmospheric nitrogen deposition*”. Awarded $106,801 in 7/2002.

**Fordham Faculty Research Grant** [A.R. Tuininga (PI)] – “*Preliminary characterization of microbial populations and their functions in response to pulse and press perturbations in the Florida scrub ecosystems*”. Awarded $4000 on 4/16/2002.

**Teaching and Mentoring:**

*Undergraduate Courses Taught*

General Biology - Environmental Focus, BIOL01.112, Rowan University (Fall 2000)

Environmental Sciences, BIOL20.321, Rowan University (Spring 2000)

Essentials of Biology, BIOL01.105 (for students pursuing a degree in education),

Rowan University (Spring 2000)

Ecology, BIRU 2561 (Spring 2002), Fordham University

Ecology Lab, BIRU 2571 (Spring 2002), Fordham University

Microbiology, BIRU 3643 (Spring 2004, 2006, 2007, 2008, 2009), Fordham University

Microbiology lab, BIRU 3653 (Spring 2004, 2006, 2007), Fordham University

Special Topics in Physics, PHYS 399 (Spring 2018), Montclair State University

Internship, EAES 491 (Summer 2019), Montclair State University

Sustainability Science Seminar, EAES 402 (Spring 2020), Montclair State University

*Graduate Courses Taught*

Ecosystem Ecology, BIGA 6533 (Fall 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008), Fordham

University

Ecosystem Ecology, BISC 6533 (Fall 2009, 2010; same as BIGA 6533 but with course attribute

changed), Fordham University

Ecology of Microorganisms, BIGA 7573 (Spring 2007), Fordham University

Ecological Methods, BIGA 6535 (Fall 2005, 2007, 2008), Fordham University

Applied Research or Internship Project in Sustainability Science, EAES 696 (Spring 2018, Spring 2020), Montclair State University

*Mentored Research*

2018 - 2020 Mentored Capstone Projects – mentored 3 Master’s students (2 female) and 1

undergraduate student in Sustainability capstone projects covering LEED, green infrastructure, and energy conservation for public and private organizations

2016 - 2019 Team Project Mentorship – mentored and trained over 180 students in Green Teams

summer projects and subsequent academic year projects

2016 - 2017 eMentor – served as eMentor under the National Center for Science and Civic Engagement

to guide Towson University and the National Aquarium in developing their teaching training and curriculum development partnership

2001 - 2014 Mentored Research - offered strong support for undergraduate and graduate students,

particularly students of color and from groups traditionally underrepresented in science

25 independent undergraduate research projects, 20 of these through the Calder Summer Undergraduate Research – NSF-funded REU program.

(10 underrepresented minorities and 18 females)

6 peer reviewed publications include undergraduate co-authors

(3 underrepresented minorities and 8 females)

20 contributed and 4 invited presentations include undergraduate co-authors

(9 underrepresented minorities and 14 females)

Two students won 1st place prizes for their posters at local and regional

meetings.

3 Master’s theses (2 females), 1 PhD dissertation, 1 post-doc (female)

17 graduate student committees (1 underrepresented minority and 9 females)

**Publications\*:** \*(undergraduate and high school students are underlined)

Aloisio, J.M., Palmer, M.I., **Tuininga, A.R.**, Lewis, J.D. 2020. Introduced and native plant species composition of vacant unmanaged green roofs in New York City. Urban Ecosystems. https://doi.org/10.1007/s11252-020-00992-6

Aloisio, J.M., Palmer, M.I., **Tuininga, A.R.**, Lewis, J.D. 2019. Plant colonization of green roofs is affected by composition of established native plant communities. Frontiers in Ecology and Evolution, section Urban Ecology. https://doi.org/10.3389/fevo.2018.00238

Kay, M.J., S.A. Kay, **A.R. Tuininga**. 2018. Green Teams: A collaborative training model. Journal of Cleaner Production 176:909-919.

Aloisio, J.M., M.I. Palmer, M.A. Giampieri, **A.R. Tuininga**, J.D. Lewis. 2017. Spatially-dependent biotic and abiotic factors drive survivorship and physical structure of green roof vegetation. Ecological Applications 27:297-308.

Aloisio, J.M., **A.R. Tuininga**, J.D. Lewis. 2016. Crop species selection effects on stormwater runoff

and edible biomass in an agricultural green roof microcosm. J Ecological Engineering 88:20-27.

Rubino, L., S. Charles, A. Sirulnik, **A.R. Tuininga**, J.D. Lewis. 2015. Invasive insect effects on nitrogen

cycling and host physiology are not tightly linked. Tree Physiology doi: 10.1093/treephys/tpv004.

Ewing, H. A., **A.R. Tuininga**, P.M. Groffman, K.C. Weathers, T.J. Fahey, M.C. Fisk, P.J. Bolen, E. Suarez. 2014. Earthworms reduce biotic 15-nitrogen retention in northern hardwood forests. Ecosystems 18:328-342.

Greengarten, P.J., **A.R. Tuininga**, S.U. Morath, R.C. Falco, H. Norelus, T.J. Daniels. 2011. Occurrence of soil- and tick-borne fungi and related virulence tests for pathogenicity to *Ixodes scapularis* (Acari: Ixodidae). Journal of Medical Entomology 48:337-344.

Comas, L.H., **A.R. Tuininga**, H.S. Callahan. 2010. Advancing our current understanding of plant-fungal symbioses: bridging scales from local to global. New Phytologist 185:871-873.

Parrent, J.L., K.G. Peay, A.E. Arnold, L.H. Comas, P. Avis, **A.R. Tuininga**. 2010. Moving from pattern to process in fungal symbioses: linking functional traits, community ecology, and phylogenetics. New Phytologist 185:882-886.

Avolio, M.L., **A.R. Tuininga**, J.D. Lewis, M. Marchese. 2009. Ectomycorrhizal responses to organic and inorganic nitrogen sources when associating with two host species. Mycological Research 113:897-907.

**Tuininga, A.R**., J.L. Miller, S.U. Morath, T.J. Daniels, R.C. Falco, M.M. Marchese, S. Sahabi, D. Rosa, K. C. Stafford, III. 2009. Isolation of entomopathogenic fungi from soils and *Ixodes scapularis* (Acari: Ixodidae) ticks: prevalence and methods. Journal of Medical Entomology 46:557-565.

Lewis, J.D., J. Licitra, **A.R. Tuininga**, A. Sirulnik, G. Turner, J. Johnson. 2008. Oak seedling growth and ectomycorrhizal colonization are less in eastern hemlock stands infested with hemlock woolly adelgid than in adjacent oak stands. Tree Physiology 28:629-636.

**Tuininga, A.R**. 2005. Interspecific interaction terminology: From Mycology to GeneralEcology. Chpt.

13 in: The Fungal Community, 3rd ed. Dighton, J., P. Oudemans, J. White (eds.) CRC Press,

New York.

**Tuininga, A.R**., and J. Dighton. 2004. Changes in ectomychorrhizal communities and nutrient

availability following prescribed burns in two upland pine-oak forests in the New Jersey pine barrens. Canadian Journal of Forest Research 34:1755-1765.

Dighton, J., **A.R. Tuininga**, D.M. Gray, R.E. Huskins, T. Belton. 2004. Impacts of atmospheric

deposition on New Jersey pine barrens forest soils and communities of ectomycorrhizae. Forest Ecology and Management 201:131-144.

**Publications\* (Cont.):**

**Tuininga, A.R.**, J. Dighton, D.M. Gray. 2002. Burning, watering, litter quality and time effects on N, P, and K uptake by pitch pine (*Pinus rigida*) seedlings in a greenhouse study. Soil Biology and Biochemistry 34:865-873.

Rygiewicz, P.T., K.J. Martin, **A.R. Tuininga**. 2000. Morphotype community structure of ectomycorrhizas on Douglas-fir (*Pseudotsuga menziesii* Mirb. Franco) seedlings grown under elevated atmospheric CO2 and temperature. Oecologia 124:299-308.

Rygiewicz, P.T., K.J. Martin, **A.R. Tuininga**. 1997. Global climate change and diversity of mycorrhizae. In: Progress in Microbial Ecology. Martins, M.T., M.I.Z. Sato, J.M. Tiedje, L.C.N. Hagler, J. Dobereiner, and P.S. Sanchez (eds.). International Committee on Microbial Ecology/Brazilian Society for Microbiology. Soc. Brasileira de Microbiologia. Cidade Universitaria – USP. Sao Paulo – SP Brazil. pp. 91-98.

Kerwin, J.L., **A.R. Tuininga**, A.M. Weins, J.C. Wang, J.J. Torvik, M.L. Conrath, J.K. MacKichan. 1995. Isoprenoid-mediated changes in the glycerophospholipid molecular species of the sterol auxotrophic fungus *Lagenidium giganteum*. Microbiology 141:399-410.

Kerwin, J. L., **A. R. Tuininga**, L. Ericson. 1994. Identification of molecular species of phospholipids using electrospray mass spectrometry. Journal of Lipid Research 35:1102-1114.

### MacKichan, J.L., **A.R. Tuininga**, J.L. Kerwin. 1994. Preliminary characterization of phospholipase A2 in *Lagenidium giganteum*. Experimental Mycology 18:180-192.

### Kerwin, J. L., L.M. Johnson, H.C. Whisler, **A.R. Tuininga**. 1992. Infection and morphogenesis of *Pythium marinum* in species of *Porphyra* and other red algae. Canadian Journal of Botany 70: 1017-1024.

**Invited Presentations\*:**

Weilerstein, P. (Moderator), C. Gilbert (Panelist), **A.R. Tuininga (Panelist),** V. Sick (Panelist), S. Shrake (Panelist).6/12/2020. Invited Panel Presentation. Transforming Campuses to Foster Sustainability-focused Learning and Institutional Change. 9th Annual Deshpande Symposium, Virtual Event.

**Tuininga, A.R.** 2/11/2020. Invited Talk. Academic-corporate-community partnerships to advance Sustainability in New Jersey, USA, and beyond. Stakeholders roundtable on universities: Governance and partnerships for enhanced urban sustainability. World Urban Forum, United Nations – Habitat. Abu Dhabi, United Arab Emirates.

Russell, G., L. Landon, T. Glick, **A.R.** **Tuininga.** 1/25/2020. Invited Panel Presentation. Green Solutions for Our Communities. 5th Annual Acting Local for a More Sustainable World Conference, Northeast Earth Coalition, Montclair, NJ.

Siekerka, M.N. (Keynote), L. Brust-Moss (Moderator), N. Agosto-Filion (Panelist), C. Cullen-Woods (Panelist), G. Lalla (Panelist), J. Spector (Panelist), **A.R. Tuininga** (Panelist)**.** 6/19/2019. Invited Panel Presentation. Career as a Female Scientist Leading to the Development Programs to Support Inclusive Experiential STEM Education. Women in Green. United States Green Building Council of New Jersey. Montclair, NJ.

**Tuininga, A.R.** 4/26/2019. Invited Keynote Address. Addressing Environmental Challenges in New Jersey. Commerce and Industry Association of New Jersey, Glen Ridge, NJ.

**Tuininga, A.R**., N.M. Goodey, I. Chahal. 4/4/2019. Invited Talk. S-TEAMs Improve Sense of Inclusion for Underrepresented Groups. NSF ERC-INCLUDES, Seattle, WA.

Goodey, N.M. and **A.R. Tuininga.** 3/31/2019. Flash Talk. Green Teams: Creating a Process for Sustainable Technology Product Development. VentureWell OPEN. Washington, D.C.

**Tuininga, A.R.** 11/30/2018. Invited Presentation. Green Teams Program. New Jersey Higher Education Partnership for Sustainability (NJHEPS) Executive Committee Meeting, Kean University, Union, NJ.

**Invited Presentations\* (Cont.):**

**Tuininga, A.R.** 11/28/2018. Invited Presentation. Green Teams Program. New Jersey Resources, Wall, NJ.

**Tuininga, A.R.**, K. Tafuri, R. Lawton, M. Furgason and S. Jeffrey. 11/2/2018. Distinguished Panel. Sustainable Business and the SDGs: Corporate, Non-profit, International and Educational Approaches to Achieving the Goals. Fourth Principles for Responsible Management Education (PRME) Conference. Sustainable Development Goals: Pedagogy, Practice and Policy. Rowan University, Glassboro, NJ.

**Tuininga, A.R.**, A. Ortiz, M. Kay, M. Coleman, F. Deng, P. Biyibioku, H. Garcia, S. Demas. 11/2/2018. Invited Panel. Green Teams Internship Program Fourth Principles for Responsible Management Education (PRME) Conference. Sustainable Development Goals: Pedagogy, Practice and Policy. Rowan University, Glassboro, NJ.

Goodey, N.M. and **A.R. Tuininga**. 8/8/2018. Invited Talk. Green Teams: Creating a Process for Sustainable Technology Product Development. August 2018. VentureWell Sustainable Design Planning Workshop. Hadley, MA.

Goodey, N.M. and **A.R. Tuininga.** 8/8/2018. Invited Talk. Green Teams: New Curriculum Elements. August 2018. VentureWell Sustainable Design Planning Workshop. Hadley, MA.

**Tuininga, A.R.** 7/18/2018. Invited Panel Presentation. Sustainability Supports Paradigm Shifts in Higher Education. High Level Political Forum (HPLF), Higher Education Sustainability Initiative (HESI), United Nations, New York, NY.

**Tuininga, A.R.** 3/5/2018. Invited Panel Presentation. Sustainability in Business: How Environmental Sustainability Contributes. Monmouth University, West Long Branch, NJ.

**Tuininga, A.R.**, Lal P., Vasishth, A., Kyse, E., Chahal, I. 1/12/2018. Invited Flash Talk. NSF INCLUDES S-TEAMS: Sustainability Teams Empower and Amplify Membership in STEM. NSF INLCLUDES, National Science Foundation, Alexandria, VA.

**Tuininga, A.R.**, Lal, P., Vasishth, A., Kyse, E., Chahal, I. 1/11/2018. Invited Poster. NSF INCLUDES S-TEAMS: Sustainability Teams Empower and Amplify Membership in STEM. NSF INLCLUDES, National Science Foundation, Alexandria, VA.

**Tuininga, A.R.** 12/2/2016. Invited Presentation. Collective Training Models: Inclusion of Multiple Academic Institutions in the Green Teams Program. New Jersey Higher Education Partnership for Sustainability (NJHEPS) Education Committee, Kean University, Union, NJ.

**Tuininga, A.R.** 11/10/2016. Invited Talk. A Revolution of Inclusion: Building Partnerships to Achieve

Sustainability in Ecosystem Health, Public Health, and Corporate Triple Bottom Line. Rutgers Day of Revolutionary Thinking – Celebrating 250 Years with Talks by Rutgers Alumni, Rutgers University, New Brunswick, NJ.

**Tuininga, A.R.** 5/1/2016. Invited Talk. Global disturbance to local community resilience: Healthy ecosystems around the globe and in Montclair, New Jersey. Montclair Future Forum, Montclair, NJ.

**Tuininga, A.R.** 4/14/2016. Invited Seminar Talk. The littlest, scariest monsters and how we can keep them out from under the bed and off our skin: Biocontrol of *Ixodes scapularis.* Dominican College, Orangeburg, NY.

Aloisio, J. M., M.I. Palmer, **A.R. Tuininga**, J.D. Lewis. 8/9/2015-8/12/2015. Invited talk. Plant community dynamics of native plant assemblages on geographically isolated green roofs in NYC, Organized Oral Session at 100st Annual Meeting of the Ecological Society of America, Baltimore, MD, USA.

Pinto, J., J. Harrington, **A.R. Tuininga**. 12/7/2012. Invited talk. Supporting What Faculty Do Best:  
Teachers, Scholars, Researchers, and Critics Take on Assessment. Middle States Commission on Higher Education, Philadelphia, PA.

**Invited Presentations\* (Cont.):**

**Tuininga, A. R.** 3/9/2012. Invited talk. Building an Assessment Culture: Challenges and Opportunities. Association of Jesuit Colleges and Universities, Graduate Deans Meeting, Chicago, IL.

**Tuininga, A. R.** 7/29/2009.Concluding talk to symposium I was invited to co-organize. Conclusions:Phylogenetic and functional patterns of host plants and their associated fungi: implications for symbiotic co-evolution, community interactions, and ecosystem processes. Joint meeting of the Botanical Society of America and Mycological Society of America. Snowbird, UT.

Kerin, T.E., **A.R. Tuininga**, J.D. Lewis. 6/22/2009. Invited talk. Eastern hemlock (*Tsuga canadensis*) density in a hardwood landscape influences soil biotic and abiotic characteristics. Black Rock Forest Consortium Research Symposium, Cornwall, NY.

Lewis, J.D.**,** L. Rubino, S. Charles, A Sirulnik and **A. Tuininga**. 6/22/2009. Invited talk. Scale-dependent effects of an invasive insect on nitrogen cycling and host physiology. Black Rock Forest Consortium Research Symposium, Cornwall, NY.

Sirulnik, A., J.D. Lewis, **A.R. Tuininga**, J. Johnson. 6/22/2009. Invited poster. Infestations of hemlock woolly adelgid are associated with changes in eastern hemlock ectomycorrhizal fungal communities and soil conditions. Black Rock Forest Consortium Research Symposium, Cornwall, NY.

**Tuininga, A.R.** 1/18/2009. Invited talk. Two tales about the function of fungi: mycorrhizal partners that increase plant health and soil pathogens that kill deer ticks. New Jersey Mycological Association, Morristown, NJ.

**Tuininga, A. R.** 10/20/2008. Invited Talk. What happens belowground when humans trigger changes in natural systems? Lehman College, Bronx, NY.

**Tuininga, A.R.,** R.E. Huskins, J. Dighton, D.M. Gray, T. Belton. 3/30/2008. Invited talk. Nitrogen deposition effects on mycorrhizae: A belowground view of mycology at Greenbrook Sanctuary. New York Mycological Society, New York, NY.

**Tuininga, A.R.,** J.D. Lewis. 6/10/2007. Invited talk. Invasive species effects on temperate forests. Black Rock Forest Consortium, Cornwall, NY.

**Tuininga, A.R.**, AG. Sirulnik, J.D. Lewis, J. Johnson, L. Ward. 8/19/2006. Invited talk. Effects of hemlock woolly adelgid on soils. Palisades Nature Association, Tenafly, NJ.

**Tuininga, A.R**., A.G. Sirulnik, J.D. Lewis, J. Johnson. 7/26/2006. Invited talk. The exotic, invasive hemlock woolly adelgid (*Adelges tsugae*) affects ectomycorrhizal fungal communities and soil conditions in eastern U.S. forests. 5th International Conference on Mycorrhizae, Granada, Spain.

**Tuininga, A.R**. 3/25/2006. Invited lecture. From the obscure to the cure: Microbes in our environment and applications in biotechnology. Johns Hopkins University Center for Talented Youth Odyssey Series, Fordham University, Bronx, NY.

**Tuininga, A.R**., J. Archibald, M. Van Horn, R.E. Huskins, J. Dighton, T. Belton, K. Kovach. 8/1/2004. Invited talk. Elevated nitrogen effects on oak mycorrhizae. Ecological Society of America, Portland, OR.

**Tuininga, A.R.** 07/22/2003. Invited talk. Mycorrhizae: What are they good for? Calder Summer Seminar Series, Armonk, NY.

**Tuininga, A.R**. J. Dighton, D.M. Gray. 10/03/2003. Invited talk. Recovery pattern of ectomycorrhizal diversity and function following fire. Brookhaven National Laboratory, Pine Barrens Research Forum, Upton, NY.

**Tuininga, A.R.** 01/24/2003. Invited seminar talk. Mycorrhizal response to perturbation. Institute of Ecosystem Studies, Millbrook, NY.

**Invited Presentations\* (Cont.):**

**Tuininga, A.R.**, J. Dighton. 8/6/2002. Invited talk. Temporal relationships between ectomycorrhizal diversity and functional responses to disturbance by fire. Ecological Society of America, Tucson, AZ.

Dighton, J., **A.R. Tuininga**, L. Jonsson. 8/1999. Invited talk. Ectomycorrhizal taxonomic methods and their role in the understanding of mycorrhizal function. Ecological Society of America, Spokane, WA.

**Tuininga, A.R.**, J. Dighton, D.M. Gray. 7/1998. Invited talk and co-chaired session. Short-term effects of prescribed burning on ectomycorrhizal community structure, nutrient uptake and soil water chemistry in the New Jersey pine barrens. 2nd International Conference on Mycorrhizae. Uppsala, Sweden.

**Contributed Presentations\*:**

Rivas, M., A. Leyton, R. Gimenez, **A.R. Tuininga**. 10/28/2019. Contributed Poster: Revolutionizing Sustainability Connections: Corporations, Communities, and Higher Education. Association for the Advancement of Sustainability in Higher Education (AASHE). Spokane, WA.

Araya, N., E. Cohen, S. Loverich, R. Olacio, **A.R. Tuininga**. 9/12/2018. Contributed Poster: Jersey City Greenhouse Gas Inventory & Climate Action Planning. Garden State - Louis Stokes Association for Minority Program (GS-LSAMP) 10th Annual Research Conference. New Brunswick, NJ.

Leyton, A., P. Lal, D. Truitt, A. Vasishth and **A.R. Tuininga**. 10/4/2018. Contributed Poster. PSEG Institute for Sustainability Studies Green Team Internship Program. Association for the Advancement of Sustainability in Higher Education (AASHE), Pittsburgh, PA.

Herrera, P., Dorta, B., Padhye, R., **Tuininga, A.,** Truitt, D., Vanderklein, D., Wu, M., Diaz, A., Hurst, D., Kinn-Gurzo, S. 10/27/2018. Poster. 2018. PSEG ISS Green Teams: SUEZ North America Green Resolutions. American Association of Geographers Annual Meeting, Montclair State University, Montclair, NJ.

Loverich, S., Estrella, K., Sztan, M., Mehta, R., Weiss, H., Leyton, A., Coleman, M., Truitt, D., Vasishth, A., Lal, P., **Tuininga, A.** Poster. 10/26/2018. Jersey City Green Team, American Association of Geographers Annual Meeting, Montclair State University, Montclair, NJ.

Herrera, P., Dorta, B., Padhye, R., **Tuininga, A.,** Truitt, D., Vanderklein, D., Wu, M., Diaz, A., Hurst, D., Kinn-Gurzo, S. 10/12/2018. Poster. PSEG ISS Green Teams: SUEZ North America Green Resolutions.10th Annual Garden State- Louis Stokes Alliance for Minority Participation (GS-LSAMP) Research Conference, Rutgers New Brunswick, NJ.

Leyton, A., Lal, P., Truitt, D., Vasishth, A., **Tuininga, A.,** 10/3/2018. Poster. PSEG Institute for Sustainability Studies Green Team Internship Program. Association for the Advancement of Sustainability in Higher Education, Pittsburgh, PA.

**Tuininga, A.,** Padhye, R., Vasishth, A. Lipoti, J., John-Alder, H., 1/24/2018. Poster. PSEG ISS –

NJHEPS Green Teams Program: a corporate-academic-community partnership model to address sustainability issues, National Council for Science and the Environment / National Energy Education Summit, Washington, D.C.

Jay-Rayon, L. and **A.R. Tuininga**. 4/21/2017. Talk. Sustainability is a Conversation. Symposium on Language and the Sustainable Development Goals. United Nations, New York, NY.

Aloisio, J. M., J.D. Lewis, J. Alan Clark, J. Munshi-South, **A.R. Tuininga**, B. Johnson, K. Tingley. 8/7/16 – 8/12/16. Talk. Project TRUE (Teens Researching Urban Ecology) – Creating a pipeline to train the next generation of ecologists. 101st Annual Meeting of the Ecological Society of America, Fort Lauderdale, FL, USA.

Zhang, X., P.M. Groffman, **A.R. Tuininga**, J.D. Lewis. 8/10/2016. Talk. Urbanization influenced C and N cycles of riparian zones of low-order watersheds in response to hydrological extremes. 101st Annual Meeting of the Ecological Society of America, Fort Lauderdale, FL, USA.

**Contributed Presentations\* (Cont.):**

Aloisio, J. M., M.I. Palmer, **A.R. Tuininga**, J.D. Lewis. 8/9/2015 – 8/14/2015. Talk. Plant community dynamics of native plant assemblages on geographically isolated green roofs in NYC. 100th Annual Meeting of the Ecological Society of America, Baltimore, MD, USA.

Aloisio, J. M., **A.R. Tuininga**. 7/31/2014 – 8/4/2014. Poster. Project TRUE, Teens Research Urban Ecology in New York City, NYC. Science Education for the New Civic Engagements and Responsibilities Summer Institute, Ashville, NC, USA.

Aloisio, J. M., M.I. Palmer, **A.R. Tuininga**, J.D. Lewis. 4/20/2014. Plant colonist assemblages on green roofs established with native plant communities in NYC. Poster, The Ecology of New York City: Organisms, Environment and History, Manhattan, NY, USA.

Becker, R., **A.R. Tuininga**, B. Rubin, J.D. Lewis. 8/6/2013. Talk. Spatial partitioning of soil fungi along an urban to rural gradient. 98th Annual Meeting of the Ecological Society of America, Minneapolis, MN.

Aloisio, J. M., K. Tingley, J.D. Lewis, **A.R. Tuininga**. 8/4/2013 - 8/9/2013. Talk. Project TRUE – Teens Research Urban Ecology: Invertebrate biodiversity of the Prospect Park Zoo, NYC. 98th Annual Meeting of the Ecological Society of America, Minneapolis, MN, USA.

Kerin, T., **A.R. Tuininga**, J.D. Lewis. 8/2012. Evidence of mycorrhizal host generality for HWA-infested *Tsuga canadensis* trees growing in a *Quercus*-dominated landscape. Poster. 97th Annual Meeting of the Ecological Society of America.

Caruso, A., J.D. Lewis, A.R. Tuininga. 8/8/2012. Physiological and morphological responses of the invasive grass, *Microstegium vimineum*, to varying resource availabilities. 97th Annual Meeting of the Ecological Society of America.

Cucco, A., J.D. Lewis, **A.R. Tuininga**. 8/2012. Soil microbial enzyme activity and nutrient cycling along a New York City urban-to-rural gradient. Poster. 97th Annual Meeting of the Ecological Society of America.

Cucco, A., J.D. Lewis, **A.R. Tuininga**. 3/2012. Urbanization effects on nitrogen cycling and plant growth. Poster. 7th Annual Meeting of the Mid Atlantic Chapter of the Society for Ecological Restoration.

Cucco, A., J.D. Lewis, **A.R. Tuininga**. 11/2011- 1/2012. Urbanization effects on nitrogen cycling and plant growth. Poster on exhibit at the New York Botanical Garden’s Thain Family Forest Dedication, New York Botanical Garden, Bronx, NY.

Aloisio, J. M., K. Matteston, M.I. Palmer, **A.R. Tuininga**, J.D. Lewis. 8/1/2011 – 8/6/2011. Talk. Biomass and plant diversity of naturally colonized green roof substrate in New York City. 96th Annual Meeting of the Ecological Society of America meeting, Pittsburgh, PA, USA.

Aloisio, J. M., K. Matteston, M.I. Palmer, **A.R. Tuininga**, J.D Lewis. 4/9/2011 – 4/10/2011. Talk. Productivity and plant diversity of naturally colonized green roofs in New York City. Annual Meeting of the Mid-Atlantic Ecological Society of America.

Cucco, A., J.D. Lewis, **A.R. Tuininga**. 8/2011. Urbanization effects on nitrogen cycling and plant growth. Poster. 96th Annual Meeting of the Ecological Society of America. August 2011.

Cucco, A., J.D. Lewis, **A.R. Tuininga**. 6/2011. Urbanization effects on nitrogen cycling and plant growth. Talk. 7th Annual Black Rock Forest Consortium Research Symposium, Cornwall, NY.

Cucco, A., J.D. Lewis, **A.R. Tuininga**. 4/2010. Urbanization effects on nitrogen cycling and plant productivity. Talk. 3rd Annual Fordham College at Rose Hill Undergraduate Research Symposium, Fordham University, Bronx, NY.

Cucco, A., J.D. Lewis, **A.R. Tuininga**. 8/2009. Urbanization effects on nitrogen cycling and plant productivity. Talk. Calder Summer Undergraduate Research Program Symposium, Fordham University, Bronx, NY.

**Tuininga, A.R**., S. Morath, P. Greengarten, T. Daniels, H. Norelus, R. Falco. 7/25/2009-7/29/2009. Timing of tick pathogen presence in the environment. Poster. Joint meeting of the Botanical Society of America and Mycological Society of America. Snowbird, UT.

**Contributed Presentations\* (Cont.):**

Norelus, H., S.U. Morath, P.J. Greengarten, **A.R. Tuininga**, T.J. Daniels, R.C. Falco. 4/22/2009. Hitting them hard and where they hide: how to increase efficacy of entomopathogenic fungi against *Ixodes scapularis*. Second Annual Undergraduate Research Symposium, Fordham University, Bronx, NY.

Daniels, T. J., **Tuininga, A.R**., Pool, J., Rosa, D.C., Norelus, H., Greengarten, P., Morath, S.U., Falco, R.C. 10/19/2008 - 10/22/2008. Do entomopathogenic fungi regulate blacklegged ticks in nature? Contributed talk, 11th International Conference on Lyme Borreliosis and other Tick-Borne Diseases, Irvine, CA.

**Tuininga, A.R**., J. Pool, D. Rosa, T. Daniels, R. Falco, S. Morath. 8/3/2008-8/7/2008. Environmental regulation of tick pathogens: A synthesis of undergraduate research projects leading to understanding of the ecology of potential fungal biocontrol agents. Poster, Ecological Society of America, Milwaukee, WI.

**Greengarten**, P.J., **Tuininga, A.R.**, Daniels, T.J., Falco R., Morath, S. 8/3/2008-8/7/2008. Identification of potential biological control agents for *Ixodes Scapularis* from soil and tick-isolated fungi. Poster, Ecological Society of America, Milwaukee, WI.

Pool, J., **A.R. Tuininga**, T. Daniels, R. Falco, S.U. Morath, C.M. Fairchild. 4/16/2008. Environmental effects on virulence of single or combined species of entomopathogenic fungi to blacklegged ticks. Poster, First Annual Undergraduate Research Symposium, Fordham University, Bronx, NY. ***1st Place Winner***.

Rosa, D.C., **A.R. Tuininga**,T. Daniels, C. Bolnet. 10/13/2006-10/14/2006. Role of environmental factors in the eradication of the Lyme disease causing agent: *Ixodes Scapularis.* Poster, A Gathering of Science Scholars National Conference at Stony Brook University, Stony Brook, NY. ***1st Place Winner***.

Fairchild, C.M., T.J. Daniels, J. Pool, **A.R. Tuininga**. 8/7/2007. Field efficacy of the entomopathogenic fungus *Beauveria bassiana* in biocontrol of the black-legged tick (*Ixodes scapularis*). Poster, Ecological Society of America, San Jose, CA.

Sirulnik, AG., J.D. Lewis, **A.R. Tuininga**, J. Johnson. 10/12/2006. Indirect effects of the hemlock woolly adelgid on oak seedling growth through effects on mycorrhizal richness and abundance. Poster, International Union of Forest Research Organizations - Regional Forest Responses to Environmental Change, Black Rock, NY.

Rubino, L., S. Charles, A.G. Sirulnik, **A.R. Tuininga**, J.D. Lewis. 10/12/2006. Hemlock woolly adelgid

density affects net photosynthetic rates and needle biochemistry but not respiration rates in eastern hemlock. Poster, International Union of Forest Research Organizations - Regional Forest Responses to Environmental Change, Black Rock, NY.

Lewis, J.D., J. Licitra, **A.R. Tuininga**, A.G. Sirulnik, J. Johnson. 10/12/2006. Infestations of hemlock

woolly adelgid are associated with changes in eastern hemlock ectomycorrhizal fungal

communities and soil conditions. Poster, International Union of Forest Research Organizations - Regional Forest Responses to Environmental Change, Black Rock, NY.

Johnson, J, A.G. Sirulnik, **A.R. Tuininga,** J.D. Lewis. 7/29-8/2/2006. Molecular and morphological

analyses of ectomycorrhizal fungal community composition across hemlock dominance and defoliation gradients. Talk, Mycological Society of America, Quebec, Canada.

Sirulnik, A.G., J.D. Lewis, **A.R. Tuininga**, J. Johnson. 5/23/2005. Ectomycorrhizal communities and

ecosystem function in woolly adelgid (*Adelges* *tsugae*) infested eastern hemlock (*Tsuga*

*canadensis*) stands. Talk, Soil Ecological Society of America, Argonne, IL.

Avolio, M.L., **A.R. Tuininga**, J.D. Lewis. 8/7/2005. Nitrogen form affects ectomycorrhizal fungal

colonization and growth. Talk, Ecological Society of America, Montreal, Canada.

Ewing, H.A., **A.R. Tuininga**, P.M. Groffman. 8/7/2005. Do earthworms influence nitrogen losses

from northern hardwood forests? Talk, Ecological Society of America, Montreal, Canada.

**Contributed Presentations\* (Cont.):**

Sirulnik, A.G., J.D. Lewis, **A.R. Tuininga**, and J. Johnson. 8/7/2005. Soil conditions, host community,

and infestations of the hemlock woolly adelgid (*Adelges tsugae*) affect ectomycorrhizal

diversity in eastern temperate forests. Talk, Ecological Society of America, Montreal, Canada.

Dighton, J., **A.R. Tuininga**, D.M. Gray, R.E. Huskins, T. Belton. 9/13/2004. Impacts of atmospheric N

deposition on communities of ectomycorrhizae in oligotrophic New Jersey pine barrens forest soils. Poster, British Mycological Society, Nottingham, UK.

Mullin, B.C., **A.R. Tuininga**, J. Dighton, M. Van Horn, R.E. Huskins, A.-M. Vargas. 8/1/2004. Ericaceous control of phosphorus availability following fire: interactions between ectomycorrhizal pitch pine (*Pinus rigida*) and ericoid mycorrhizal blueberry plants (*Vaccinium angustifolium*). Poster, Ecological Society of America, Portland, OR.

Dighton, J., **A.R. Tuininga**, D.M. Gray, RE. Huskins, T. Belton. 8/1/2004. Impacts of atmospheric

deposition on New Jersey pine barrens forest soils and ectomycorrhizal communities. Talk, Ecological Society of America, Portland, OR.

Huskins, R.E., **A.R. Tuininga**, J. Dighton, D.M. Gray, T. Belton. 8/1/2004. Nitrogen deposition effects on ectomycorrhizal communities: A comparison between two soil types. Ecological Society of America, Portland, OR.

Miller, J.L., A-M. Vargas, **A.R. Tuininga**, T.J. Daniels, K.C. Stafford III, R.C. Falco. 7/15/2004.

Entomopathogenic fungal infections of *Ixodes scapularis* (Acari: Ixodidae). Poster, Mycological Society of America, Asheville, NC.

**Tuininga, A.R.**, R.E. Huskins, J. Dighton, D.M. Gray, T. Belton. 7/15/2004. Nitrogen deposition effects on pine ectomycorrhizal fungal communities in New Jersey: Identifying potential indicator species. Poster, Mycological Society of America, Asheville, NC.

Belton, T., J. Dighton, **A.R. Tuininga**. 4/5/2003. Atmospheric pollution effects New Jersey pine barren forest. Poster, NJ DEP GIS Symposium, Trenton, NJ.

**Tuininga, A.R.**, J. Dighton, R.E. Huskins, T. Belton. 8/11/2003. Nitrogen deposition effects on

mycorrhizal communities in the New Jersey pine barrens. Poster, 3rd International Conference on Mycorrhizae, Montreal, Canada.

Huskins, R.E., **A.R. Tuininga**, J. Dighton, P. Mosto. 4/26/2002. Ectomycorrhizal community structure of *Pinus rigida* as a potential atmospheric N deposition indicator in the New Jersey pine barrens. Poster, Science, Technology, Engineering and Math Symposium, Glassboro, NJ.

Huskins, R.E.**,** A.R. Tuininga**, J. Dighton.** 4/6/2002.Ectomycorrhizal community structure of *Pinus*

*rigida* as a potential indicator of N deposition in the New Jersey pine barrens: Seasonal and site differences. Poster, New Jersey Academy of Sciences, Union, NJ.

Martin, K.J., P.T. Rygiewicz, **A.R. Tuininga.** 11/2000. Assessing abundance distributions in natural

communities of ectomycorrhizas along an environmental gradient. American Society of Agronomy, Minneapolis, MN.

**Tuininga, A.R**., D.M. Gray, J. Dighton. 8/1999. Effect of fire intensity and time since burn on below-

ground nutrient dynamics in the New Jersey pine barrens. Talk, Ecological Society of America, Spokane, WA.

Gray, D.M., **A.R. Tuininga**, J. Dighton. 8/1999. Short-term and long-term effects of fire frequency on

below-ground nutrient dynamics in the New Jersey pine barrens. Talk, Ecological Society of America, Spokane, WA.

**Tuininga, A.R.**, J. Dighton. 8/5/1997. Effects of control burn on nutrient uptake and mycorrhizal

diversity in upland pine-oak forests of the New Jersey pine barrens. Poster, Mycological Society of America, Montreal, Canada.

**Contributed Presentations\* (Cont.):**

**Tuininga, A.R.**, J.K. Stone, P.T. Rygiewicz, M.E. Harmon. 8/7/1996-8/9/1996. Interactions between

mycorrhizal and saprotrophic fungi grown on agar and rotten wood. Poster, 1st International Conference on Mycorrhizae, San Francisco, CA.

**Tuininga, A.R.**, P.T. Rygiewicz, K.J. Martin. 8/8/1995. Poster, Global climate change effects on

ectomycorrhizae. Mycological Society of America, San Diego, CA

Rygiewicz, P.T., K.J. Martin, **A.R. Tuininga**, E. Ingham. 8/1995. Global climate change and diversity of mycorrhizae. Talk, International Symposium on Microbial Ecology, Santos, Brazil.

**Tuininga, A.R.**, K.J. Martin, P.T. Rygiewicz. 3/1995. Diversity of Douglas fir mycorrhizae: elevated CO2 and temperature effects. Poster, Soil Ecological Society of America, Fort Collins, CO.

**Tuininga, A.R.**,E. Ingham.8/17/1994. Mycorrhizal competition with saprophytes on logs. Poster, 5th

International Mycological Conference, Van Couver, Canada.

**Tuininga, A.R.**, J. Kerwin. 8/9/1992. Isolation and lipid composition of nuclei from *Lagenidium*

*giganteum*. Talk, Mycological Society of America, Portland, OR.

**Projects and Positions:**

*Program Leadership*

2015 - 2020 Director, PSEG Institute for Sustainability Studies – developed new and unique transdisciplinary, multi-institutional program engaging many corporations, not-for-profits, academic institutions, and governmental agencies; trained more than 100 students; developed training modules; secured funding; built outreach and internal/external support network.

2014 - 2015 Chief, Office of Research - created and implemented strategic plan to build incentives and programs to support research initiatives; stimulated student and faculty awareness of grant opportunities, motivated grant-seeking, and improved student and faculty competitiveness in external grant applications; managed personnel, budgets, and training programs; led all internal and external research funding efforts

2014 - 2015 Liaison and Collaborator, Office of Research – represented Office of Research to all

internal and external constituents, including Government Relations, Student Affairs, Marketing, Development, Faculty, Students, Deans, Chairs, Finance; proposed and presented initiatives to University Research Council and Faculty Senate

2012 - 2015 New Program and Strategic Initiative Developer – liaised and collaborated with Bronx Science Consortium (BSC) institutions (Albert Einstein College of Medicine, Montefiore Hospital, The New York Botanical Garden, and The Wildlife Conservation Society / Bronx Zoo); developed seven new programs, one is a joint master’s degree registered with the NYSED; submitted six grant proposals, two were funded; mapped inter-institutional interactions and outcomes; hosted four BSC symposia

2013 - 2014 Liaison, University Marketing and Communications - developed and implemented marketing plans, worked to increase enrollments for Graduate School of Arts and Sciences

2012 Chair, Calder Center Planning Committee – examined and created plans for every aspect of

the functioning and growth of the University’s Biological Research Station, involved all

appropriate university units and external parties, produced report and recommendations

2012 Member, Calder Center Business Plan Task Force – worked with a group of stakeholders to develop a business plan for the University’s Biological Research Station

2011 Rapporteur and Member, University Task Force on Research Competitiveness

2011 Graduate School of Arts and Sciences Coordinator, Middle States Periodic Review Report

2011 Chair, Graduate School of Arts and Sciences Assessment Committee – in 4 months, moved assessment efforts from near 0 to 97.5% of programs providing annual assessment reports

*Program Development*

2015 – 2020 PSEG Institute for Sustainability Studies Green Teams – created novel internship program partnering transdisciplinary teams of undergraduates with corporations and organizations to address sustainability issues

2014 – 2015 Project TRUE (Teens Researching Urban Ecology) – Summer Program – lead Fordham efforts to offer tiered-mentor summer internships program together with the Wildlife Conservation Society to groups comprised of economically and educationally disadvantaged New York City high school students to increase their interest and engagement in Science, Technology, Engineering, and Mathematics (STEM), secured grant funding to support four graduate students, 18 undergraduates and 50 teens each year for four years

2012 – 2015 Project TRUE – Academic Year Program – worked with zoo educators to develop a semester-long experiential-based internship for New York City high school students (all are underrepresented minorities and most have English as a second language), identified graduate and undergraduate student mentors, secured grant funding, gave presentation to inaugural cohorts, worked to evaluate and improve the program and increase visibility

2010 – 2015 Clare Boothe Luce Programs – direct program to support females in STEM; aided female science students applying for awards, administered application and award process according to Luce Foundation regulations, developed Luce Lunch series for female science faculty and graduate students to network, brought in high profile external speakers, offered professional development opportunities

2014 - 2015 The Business of Life Sciences – developed workshops, seminar series, short courses and certificate courses together with Fordham’s Schools of Business and Albert Einstein College of Medicine, offered workshop programs to graduate students and post-doctoral scientists in bio-medical fields

2014 - 2015 The Communication of Life Sciences – developed workshops, seminar series, short courses and certificate courses together with the New York Botanical Garden, Wildlife Conservation Society, and Albert Einstein College of Medicine, offered workshops to graduate students in life sciences

2010 - 2014 Einstein-Fordham M.S. in Biomedical Sciences - developed a joint master’s program to serve disadvantaged undergraduates hoping to pursue professional or academic careers in medicine and needing additional post-baccalaureate instruction to reinforce content, build confidence, and become leaders; approved by NY State Department of Education

*Conference and Symposium Development*

2020 Developer and Facilitator, “Swift and Intentional Progress – SIP Talk Series” – hosted virtual talks throughout the month of April by academic and industry professionals on a variety of Sustainability topics to acknowledge the 50th anniversary of Earth Day.

2018 Supervisor, “Innovations in Food Sustainability” – Student-led event with keynote, speaker panel, and multiple presentations at booths.

2017 - 2018 Consultant, “World Water Day” – Student-led event with multiple booths.

2015 Primary Contributor, “Celebrating Scholarship and Creativity” – new interdisciplinary workshop series for faculty to present research to and interact with cross-school audiences

2013 - 2014 Lead, “Bronx Science Consortium Poster Symposium” - a forum for graduate and undergraduate students to present scientific work at the Bronx Zoo to a lay audience

2011 Lead, “Einstein/Fordham Symposium: Exploring Research Opportunities”

2011 Lead, “Conservation Conversations” – a conference for New York Botanical Garden, Wildlife Conservation Society, and American Museum of Natural History scientists

2003 Organizer, “Biology Career Day” – an event for invited speakers to discuss biology careers with students in the Biology Department

*Personnel Supervision*

2015-2020 PSEG Institute for Sustainability Studies – two direct reports; staff of two expands to 12 in

summer; trained in diversity and inclusion, leadership, and sensitivity; built new programs and new systems; offered professional development and grants writing experience in new areas for staff

2014-2015 Office of Research – five direct reports; staff of 10; oversight of

* Office of Sponsored Programs
* Institutional Review Board
* Institutional Animal Care and Use Committee
* University Research Council
* Faculty Fellowship Advisory Committee

2010 - 2014 Graduate School of Arts and Sciences – six direct reports over five years, generally two at one time; improved training and self-confidence of employees through improved understanding of the goals and responsibilities for their positions; improved workflow and quality of outcomes as well as morale

*Service*

2019 - 2020 Science Task Force, Brewster Central School District, Brewster, NY

2019 - 2020 Steering Committee, New Jersey Higher Education Partnership for Sustainability

2018 - 2020 Environmental Justice Advisory Council, NJ Department of Environmental Protection

2018 - 2020 Advisory Committee, Urban Coast Institute, Monmouth University

2018 Education Committee, New Jersey Higher Education Partnership for Sustainability

2018 Vice President for Corporate and Foundation Relations Search Committee, Montclair State

University

2018 Director of Corporate and Foundation Relations Search Committee, Montclair State

University

2018 Montclair Design Week Juror, AC2 Awards, Montclair, NJ

2017 Executive Director of Global Education Search Committee, Montclair State University

2017 CSAM Honor’s Program Committee, Montclair State University

2013 - 2015 New York Botanical Garden Teacher Advisory Council

2013 - 2015 Middle States Commission on Higher Education Self-Study Steering Committee, Fordham

University Office of the Provost

2013 - 2014 Search Committee, Fordham College Rose Hill Associate Dean for Science Education and

Pre-Health Program, Fordham University, Fordham College at Rose Hill

2012 - 2014 International Political and Economic Development Council, Office of the Provost, Fordham

University

2012 - 2014 Steering Committee, Center for Community-Engaged Research (CCER), Office of Research,

Fordham University

2012 Search Committee, CCER, Office of Research, Fordham University

2012 Committee on Academic Internationalization, Office of the Provost, Fordham University

2007 - 2009 Chair, Distinguished Fellowships Committee, Graduate School of Arts and Sciences,

Fordham University

2004 - 2007 Distinguished Fellowships Committee, Graduate School of Arts and Sciences, Fordham

University

2003 Manhattanville Annual Science Competition Judge, Manhattanville College

2002 Intel- International Science and Engineering Fair Judge, 2nd Annual Westchester

Science and Engineering Fair, Pleasantville, NY

1999 Khula Project - Taught biological computer applications teachers in South Africa

1996 Project Tomorrow - Taught Ecology to teachers at Rutgers Pinelands Field Station,

New Lisbon, NJ

*Professional Development*

2017 – 2018 Lead NJ Fellow Training, various locations each month throughout NJ

2014 Annual Meeting of the Council of Graduate Schools, Washington, DC

2014 Clare Boothe Luce Designated Colleges and Universities meeting, Manhattan, NY

2014 SENCER Summer Institute 2014, Asheville, NC

2013 New Deans Institute and Summer Workshop, Council of Graduate Schools, Boston, MA

2012 Graduate Deans Meeting, Association of Jesuit Colleges and Universities, Chicago, IL

2012 Assessment Institute, Indianapolis, IN

2011 Clare Boothe Luce Designated Colleges and Universities meeting, Manhattan, NY

2011 New Deans Institute and Summer Workshop, Council of Graduate Schools, Monterey, CA

2011 SUNY Stony Brook Center for Communicating Science Summer Institute, Stony Brook, NY

2010 Annual Meeting of the Council of Graduate Schools, Washington, DC

**Collaborators and Other Affiliations (Cont.):**

*Collaborators:* M. Aikens (**University of New Hampshire**, Durham, NH), J. Aloisio (**Wildlife Conservation Society**, Bronx, NY), J. Backer (**Albert Einstein College of Medicine**, Bronx, NY), I.A. Banerjee (**Fordham University**, Bronx, NY), T. Belton (**New Jersey Department of Environmental Protection**, Trenton, NJ), Y. Besen-Cassino (**Montclair State University**, Montclair, NJ), J. Bicknell (**Brooklyn Botanic Garden**, Brooklyn, NY), L. Billings (**Montclair State University**, Montclair, NJ), P. Bolen (**University of Central Florida**, Orlando, FL), J. Boyer (**New York Botanical Garden,** New York, NY), L. Boucheron (**New Mexico State University**, Las Cruces, NM), S. Charles (**St. Francis College**, Brooklyn, NY), J.A. Clark (**Fordham University**, Bronx, NY), T. Daniels (**Fordham University**, Bronx, NY), Y. Deng (**Montclair State University**, Montclair, NJ), E. Emery (**Montclair State University,** Montclair, NJ); G. Ettl (**University of Washington**, Seattle, WA), N. Emanetoglu (**University of Maine**, Orono, ME), H. Ewing (**Bates College**, Lewiston, ME), T. Fahey (**Cornell University**, Ithaca, NY), R. Falco (**Fordham University**, Bronx, NY), M. Fisk (**Miami University**, Oxford, OH), L. Fleming (**University of California at Berkeley**, Berkeley, CA), V., Freedman (**Albert Einstein College of Medicine**, Bronx, NY), A. Friess (**University of Maine**, Orono, ME), M. Giampieri (**Massachusetts Institution of Technology**, Cambridge, MA), F. Gilliam (**Marshall University**, Huntington, WV), D.M. Gray (**Rutgers University**, New Brunswick, NJ), N.M. Goodey (**Montclair State University**, Montclair, NJ), P. Groffman (**Cary Institute of Ecosystem Studies**, Milbrook, NY), S. Hale (**University of New Hampshire**, Durham, NH), D.N. Heald (**Fordham University**, Bronx, NY), B. Johnson (**Wildlife Conservation Society**, Bronx, NY), J. Johnson (**Fordham University**, Bronx, NY), K.L. Jones (**University of Georgia**, Athens, GA), L.M. Jonsson (**Rutgers University**, New Brunswick, NJ), A. Jumponnen (**Kansas State University**, Manhattan, KS), M. Kay (**Montclair State University**, Montclair, NJ), S. Kay (**Georgia Institute of Technology**, Atlanta, GA), I. Kerr (**Montclair State University**, Montclair, NJ), P. Lal (**Montclair State University**, Montclair, NJ), J.D. Lewis (**Fordham University**, Bronx, NY), D. Lisowy (**Wildlife Conservation Society**, Bronx, NY), A. Litt (**New York Botanical Garden**, Bronx, NY), D.M. Lyons (**Fordham University**, Bronx, NY), J. Mangold (**University of California at Berkeley**, Berkeley, CA), J.Z. Morris (**Fordham University**, Manhattan, NY), M. Musavi (**University of Maine**, Orono, ME), J. Nippert (**Kansas State University**, Manhattan, KS), M. Palmer (**Columbia University**, New York, NY), D. Partridge (**Fordham University**, Bronx, NY), B. Richeson (**Hampton University**, Hampton, VA), K. Paz-Goldfarb (**Montclair State University**, Montclair, NJ), L. Rubino (**NY City Department of Parks and Recreation**, New York, NY), A. Sezen-Barrie (**University of Maine**, Orono, ME), K. Siler (**University of New Hampshire**, Durham, NH), A. Sirulnik (**Saddleback College**, Mission Viejo, CA), A. Skibbe (**Kansas State University**, Mahattan, KS), J. Spears (**Kansas State University**, Manhattan, KS), S. Stochaj (**New Mexico State University**, Las Cruces, NM), H. Strelnick (**Albert Einstein College of Medicine** and **Montefiore Medical Center**, Bronx, NY), M. Stritzki (**Hydrogen House Project**, Hopewell, NJ), E. Suarez (**Universidad San**

**Collaborators and Other Affiliations (cont.):**

**Francisco de Quito**, Quito, Ecuador), P. Sullivan (**New Mexico State University**, Las Cruces, NM), K. Tinley (**Wildlife Conservation Society**, Bronx, NY), A. Vasishth (**Ramapo College of New Jersey**, Mahwah, NJ), P.T. Vasudevan (**University of New Hampshire**, Durham, NH), I. Walker (Hampton University, Hampton, VA), K. Weathers (**Cary Institute of Ecosystem Studies**, Milbrook, NY), J. Wehr (**Fordham University**, Bronx, NY), A. Verma (**Hampton University**, Hampton, VA), Xiupeng Zhang (**Fordham University**, Bronx, NY).

***Graduate Advisors:*** J. Stone (M.S. advisor), J. Dighton (Ph.D. advisor)

***Post-doc:*** A. Sirulnik

***Graduate Students*:** J. Aloisio, M. Avolio, M. Coleman, P. Greengarten, T. Kerin, L. Landon, A. Leyton, A. O’Hara