CURRICULUM VITAE

JOHN C. VOLIN

Executive Vice President for Academic Affairs and Provost
Professor, School of Forest Resources
University of Maine
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Educational Background

Ph.D., Forestry, 1994, Department of Forestry, University of Wisconsin-Madison
M.S., Agronomy, 1988, Plant Science Department, South Dakota State University
B.S., Botany and Biology, 1986, Department of Biology, South Dakota State University

Leadership Programs

2022	Harvard Graduate School of Education - Institute for Educational Management
2011-12	LEAD-21 Leadership Development Program

Professional Experience

2020-Present	**Executive Vice President for Academic Affairs & Provost**, University of Maine
2020-Present	**Professor**, School of Forest Resources, University of Maine
2017-2020	**Vice Provost for Academic Affairs**, University of Connecticut
2007-2020	**Professor**, Department of Natural Resources and the Environment, University of Connecticut
2015-2017	**Associate Director & Co-Founder**, Eversource Energy Center, University of Connecticut
2013-2017	**Director**, Interdisciplinary Environmental Sciences Program, University of Connecticut
2007-2017	**Head**, Department of Natural Resources and the Environment (formerly Natural Resources Management and Engineering), University of Connecticut
2005-2007	**Professor**, Department of Biological Sciences, Florida Atlantic University
2003-2007	**Associate Director of Research**, Florida Center for Environmental Studies
2001-2007	**Director**, Environmental Sciences Graduate Program, Florida Atlantic University
2000-2005	**Associate Professor** (tenured), Department of Biological Sciences, Florida Atlantic University
2000-2002	**Chair**, Division of Biological Sciences, Florida Atlantic University
1999-2001	**Assistant Director**, Environmental Sciences Graduate Program, Florida Atlantic University
1995-2000	**Assistant Professor**, Division of Science, Florida Atlantic University
1994-1995	**Postdoctoral Research Fellow** plant physiological ecology, Department of Forestry, University of Wisconsin-Madison

Current Administration Position

Executive Vice President for Academic Affairs and Provost, University of Maine (2020 – Present)

Selected Duties and Areas of Responsibility

Responsibilities include providing leadership, strategic planning, and financial management for the following direct reports:

- Associate Provost for Academic Affairs and Faculty Development
- Associate Provost for Online and Continuing Education
- Associate Provost for Student Success and Innovation
- Assistant Provost for Institutional Research and Assessment
- Vice President for Enrollment Management
- Vice President for Innovation and Economic Development
- Dean, College of Education & Human Development
- Dean, College of Liberal Arts & Sciences
- Dean, College of Engineering
- Dean, College of Natural Sciences, Forestry, & Agriculture
- Dean, Honors College
- Executive Dean, Maine Business School
- Dean, Graduate School of Business
- Dean, Cooperative Extension
- Dean, Fogler Library
- Campus Director and Dean, University of Maine at Machias
- Executive Director, UMS TRANSFORMS Student Success and Retention Initiative

Recent Achievements / Administrative Highlights:

- **Initiatives Initiated at UMaine since 2020:**
  - **Strategic Enrollment & Retention Action Plan**
  - **Key Performance Indicators (KPIs)**
  - **Research Learning Experiences – featured in** *Chronicle of Higher Education*, **Nov. 2023,** *LearningWell*, **July 2023, and *LearningWell*** "Invented Here" podcast, **July 2024**
  - **Pathways to Careers**
  - **Gateways to Success**
  - **Finish Strong Adult Degree Completion Program – featured in "***Inside Higher Ed***," Oct. 2023.**
  - **Black Bear Advantage Program** - co-enrollment program with the Maine Community College System and the University of Maine – featured in various media posts and UMaine News.
  - **Faculty Development Comprehensive Programming**
    - **New Faculty Development Workshop Series**
    - Institutional Membership in the **National Center for Faculty Development and Diversity**, which includes sponsoring more than 35 faculty participation in the 12-week NCFDD Faculty Success Program
    - Enhanced Mentoring Program with Opportunities for Ways to Excel in Research (EMPOWER) **(see details below)**
    - **Chair and Director Academic-year long Development Program**
    - **Faculty Development Programs and Resources**
    - **External Mentorship Program**
    - **Institutional Membership in the New England Board of Higher Education's North Star Collective (see details below)**

    - Ranked #2 among 146 R1 Universities for partner hires, **featured in "*The Chronicle of Higher Education*," June 2024 (see details below)**
- **Student Success Initiatives –** In addition to the Research Learning Experiences, Pathways to Careers, and Gateways to Success programs mentioned above, we have also instituted the Black Bear Early Alert, Expanded Tutoring and Academic Success Coaching, Virtual Student Success Hub, launched an AI Chatbot: Bananas T. Bear, among others.

  In August, 2024, we also initiated a two-year partnership with the National Institute for Student Success (NISS) where, in collaboration, NISS will develop a Diagnostic Process that will provide an assessment of our institution's current student success efforts and its readiness for change, and from this will develop a Playbook that outlines insights, challenges, and solutions aimed at providing even greater ongoing student support.
- **General Education Revision**

- I was appointed to the **Executive Committee** for the **Association of Public and Land-grant University's (APLU) Council on Academic Affairs (CAA)** 2022-2024.
    - For the 2023 CAA Summer Session at UC-Davis, I co-organized the **"Changing the Public Perception of Public Higher Education"** session.
    - For the 2023 APLU Annual Meeting I co-organized and was a panelist on the **"Strategies for Improving Data Literacy and Data Culture on Campus"** session.
    - For the 2024 CAA Summer Session at Cleveland State University, I co-organized and moderated the **"The Changing Landscape of Collegiate Athletics"** panel session.
    - For the 2024 APLU Annual Meeting, I co-organized and moderated the **"Future of College Athletics"** panel session.
- I was appointed to the **NCAA Division I Committee on Academics** 2023-2026.
    - I also serve on the **NCAA Division I Subcommittee on Student-Athlete Academics**.
- I serve as a lead for the UMS TRANSFORMS Student Success and Retention Initiative, a $45 million grant-funded initiative to establish a student success culture and programs that improve outcomes through connection and engagement across all seven universities within the University of Maine System. UMS TRANSFORMS was initiated through a significant investment by The Harold Alfond Foundation. Following are three primary programs of the Student Success and Retention Initiative:
    - *Research Learning Experiences* (RLEs), provides opportunities for first and second-year college students to get involved in authentic research through discovery and knowledge creation.
    - *Gateways to Success*, increases first-year student retention by providing support and breaking down barriers in courses generally identified to be an impediment to academic progress.
    - *Pathways to Careers,* expands access to credit-bearing internship opportunities that increase career placement, performance, and satisfaction as well as provide hands-on, experiential learning.
        - Together with colleagues, we leveraged this gift with $1.5M from the Maine Jobs and Recovery Plan to create the Rural Career Pathway Center with the goal of expanding internship access for traditional and adult learners across the state.
- As part of UMS TRANSFORMS, I assisted in the creation and implementation of the Maine College of Engineering and Computing (MCEC), a $150 million-dollar multi-university, statewide solution cooperatively led by the University of Maine focused on building a future-focused workforce in technical and innovative areas.
- I oversaw the largest enrollment at the University of Maine in Fall 2021, a 2% increase from Fall 2020, which was the highest Orono-based enrollment in the 153-year history of UMaine. This

growth came at a time when national enrollments had fallen more than 6% over the previous two years and during the COVID-19 pandemic.

- I implemented a Graduate Entrepreneurial Revenue Sharing (GERS) pilot program to incentivize growth in some of UMaine's promising graduate programs (degrees, certificates, and 4+1 pathways) by returning to the colleges a portion of generated tuition and fees to support future growth.
- Together with colleagues, I implemented a new adult completion program, "Finish Strong," in partnership with two small regional public universities in Maine. Finish Strong, funded with a $1,231,000 grant, is designed to help adults who have some college education but never completed their studies, earn their credential. A unique feature of the program is that it also focuses on supporting Maine's immigrant communities who could benefit from the culturally sensitive support system and tailored enrollment and orientation services.
- Together with colleagues, I implemented the Black Bear Advantage program, an exciting collaborative co-enrollment program between the Maine Community College System and the University of Maine. The program allows students to experience the full four-year journey at UMaine, reaping the benefits of attending a prestigious Flagship University, while leveraging the advantages of the Maine Free Community College program.
- At the height of the pandemic, I helped launch the "Make the Grade" Student Success Initiative to allow first-year students an opportunity to repeat a course for college credit at no tuition cost during the 2021 calendar year. This was geared toward providing student support during a challenging time while also focusing on student perseverance.
- I reorganized and launched two new Associate Provost positions to address faculty development, student success, and strategic initiatives.
- Since 2020, my team and I have launched several faculty professional development and mentorship opportunities that have been encapsulated in a new faculty development website. A few highlighted examples follow.
    - In collaboration with college deans, I support faculty development and mentorship through the faculty success program at the National Center for Faculty Development and Diversity.
    - In collaboration with the Vice President for Research, I developed the Enhanced Mentoring Program with Opportunities for Ways to Excel in Research (EMPOWER). EMPOWER is a mentoring program that supports faculty in their quest to achieve significant professional growth and advancement.
    - I reconstituted the Provost's Advisory Council on Equity, built on a mission of fostering equity for all faculty, with a focus on supporting women and underrepresented minorities.
        - A top priority has been on faculty support including partner hires. In 2024, the University of Maine was ranked #2 out of 146 R1 institutions by the **Partner Hire Scorecard** for its support of academic couples/dual-career academic jobseekers. This was featured in the **featured in "*The Chronicle of Higher Education*," – June 2024**.

    - I secured funding for the University of Maine's Diversity Leadership Institute. The Institute offers opportunities for all faculty and staff to participate in diversity training that provides personal growth and prepares them to act as social change agents for the campus and their communities.
    - I led the effort to become an institutional member of the New England Board of Higher Education's North Star Collective. The North Start Collective is a semester-long faculty

fellowship program focused on "restoring, nourishing and uplifting BIPOC faculty, and supporting leaders as they transform institutions around racial equity."
    - UMaine was selected through a competitive process to join the APLU's National Aspire Institutional Change Network (IChange Network), a nationwide coalition of colleges and universities striving to improve how they recruit, support and retain STEM faculty members from all different backgrounds.

- I created a self-study and external review process for the Division of Lifelong Learning in 2021 with a plan for a subsequent reorganization to better meet the needs and goals of the University. This involves broadening the reach and improving outcomes for online learning, faculty development, and nondegree pedagogy, given a changing student body.
- From 2021 and 2022, I recruited eight new deans (College of Education & Human Development; College of Natural Sciences, Forestry, & Agriculture; College of Engineering; Maine Business School; Maine Graduate School of Business; Honors College; Libraries; and Campus Director and Dean at the University of Maine at Machias) to provide leadership in academic units and help implement the University Strategic Vision & Values Framework.
- I am an Executive Board member for the Coalition for Transformational Education. The Coalition for Transformational Education is a community of university leaders committed to experimenting individually and collectively, sharing best practices, and collaborating to start a movement across America to ensure that all students who enroll in college not only complete a degree, but also have a transforming educational experience that enhances their well-being and work engagement throughout life.
- I am one of the founders and a senior advisor of the new magazine *LearningWell*. *LearningWell* is published by the Coalition for Transformational Education and is dedicated to examining how higher education experiences can lead to improved well-being both on campus and throughout one's lifetime. In the inaugural issue, UMaine's first-year Research Learning Experience courses were highlighted.
- I chaired the development of the **Coalition for Transformational Education's Student Well-being Survey** in collaboration with Gallup. This new survey was developed from the long-running Gallup Alumni Survey but was focused on current undergraduate students. Since 2022, twelve universities piloted the survey, which included both private and public universities, such as the University of Maine, Arizona State University, Wellesley College, Bucknell University, among others.
- I was a Planning committee member for both the 2023 and 2024 **Coalition for Transformational Education's national conferences**.
- Together with colleagues we published the peer-reviewed perspective piece entitled: "Cultivating long-term well-being through transformative undergraduate education," in the *Proceedings of the National Academy of Sciences Nexus*. The manuscript was selected for media release by the journal: https://www.eurekalert.org/news-releases/1058859 and was also summarized in a subsequent article in *Inside Higher Ed* in October, 2024.
- We received funding to develop the National Science Foundation Innovation-Corps (NSF I-Corps) Hub: New England region. NSF I-Corps Hubs are designed to "accelerate the translation of discoveries into new solutions that benefit society and the economy." The University of Maine (where I am the PI) is one of eight universities in the NSF I-Corps New England Region Hub that is being led by MIT. This is a five-year cooperative agreement of up to $15M.
- Participant in the 2024 Global Advancing Teaching Network hosted by King's College London, where 55 participants from 39 countries came together with a shared mission to improve the recognition and reward of university teaching.

Prior Administrative/Leadership Experience (Not Exhaustive List)

Vice Provost for Academic Affairs, University of Connecticut (2017 – 2020)

Selected Duties and Areas of Responsibility

Responsibilities include providing leadership, strategic planning, and financial management for the following direct reports:

- **Center for Excellence in Teaching and Learning** (https://cetl.uconn.edu/). The Center is dedicated to the support and advancement of best practices in teaching and learning, and includes: Faculty Development, Educational Technologies, UConn *e*Campus Course Design & Development, Office of Early College Programs, Summer & Winter Programs, Writing Center, Quantitative (Q) Center, Testing Center, UConn Central Advising Center, and Service Learning.

Direct Report: Dr. Peter Diplock, Assistant Vice Provost
Indirect Reports: 45 faculty and staff
Budget: > $26M

Selected Accomplishments:

- In summer 2018, I launched a university-wide Learning Spaces Committee to develop and advance a vision for spaces dedicated to teaching and learning, with a goal of maximizing alignment with the University's strategic and academic plans. We are developing new research-informed Principles & Guidelines to optimize the design of existing and new learning spaces at the University, improving the way we assess and identify learning space needs as well as setting priorities for the creation of new learning spaces and the renovation of existing spaces.
- In fall 2018, I launched a "Degree in Three" task force to identify potential majors that could provide a path for degree completion in three years and, in some cases, a Master's degree in four or five (i.e., 3+1 or 4+1).
- We promote and support the development and marketing of new "entrepreneurial" Master's and Graduate Certificate degree programs, resulting in over 30 new programs since 2017, with 20 additional programs currently under development.
- We launched UConn Online (https://online.uconn.edu/) in January 2020, which is supported by our *eCampus* (UConn's gateway team for all online undergraduate and graduate courses). Through *eCampus* we assisted and provided financial support to faculty for the development of more than 75 new online undergraduate and graduate courses in 2019, bringing the total of active online courses to >540 across the university.
- We created a new Director of Teaching and Learning Assessment position with the goal of developing a new program called SET+, designed to assist faculty in the documentation of teaching effectiveness through the use of student, self-, and peer evaluation tools. The Director collaborates with Departments and Schools in the development of tailored teaching evaluation strategies.
- In collaboration with the School of Engineering, we initiated and developed a partnership with Trilogy Education to offer Coding Bootcamp at two of our urban Regional Campuses that started in summer 2019 and have been fully enrolled.
- Summer and winter programs are forecasted to increase by 5% in annual enrollments and annual tuition to increase by 6% through FY21. We rolled out a new revenue model in FY19 that provides a significant increase in funding allocation to Departments and Colleges/Schools. In addition, we invested in a considerable financial aid package to Pell eligible students for summer

2019 for those students enrolled in two or more summer courses.
- Early College Experience, the longest consecutively running dual enrollment program in the U.S., teaches > 14,000 high students per year, in more than 200 high schools across CT every year. Twelve percent of this revenue is directed to CETL, of which $150K is allocated for Departments through large-course redesign grants. The remaining 88% of the revenue is allocated to Central University Administration.
- Pre-College Summer is experiencing steady annual growth and provides net surplus revenue growth that is allocated to CETL and the University.

- **Institute for Student Success** (https://iss.uconn.edu/). The Institute includes the Academic Center for Exploratory Students, Center for Academic Programs, First Year Programs & Learning Communities, Bachelor of General Studies, Louis Stokes Alliance for Minority Participation, and Academic Achievement Center.

  Direct Report: Dr. Maria Martinez, Assistant Vice Provost
  Indirect Reports: 42 staff, as well as 10 faculty members assigned to residential Learning Communities, and 15 graduate assistants.
  Budget: >$9.3M

  Selected Accomplishments:
  - We secured long-term funding for Student Support Services targeted at first- generation college students either from low-income families or from populations underrepresented in higher education.
  - We secured long-term funding for UConn's College Access and Preparation Program (UCAP) — UCAP provides programming to help high school students graduate and be accepted into the college of their choice. In 2018, 100% of UCAP seniors completed high school and 96% are attending a college of their choice.
  - In 2019, Student Support Services expanded its Education Abroad offerings, adding new program sites in Croatia and Costa Rica; recently the program sent its 600th student abroad since 2011.
  - We launched four new non-residential student Learning Communities (LCs) since 2017, bringing our total to 20 residential and 14 non-residential LCs. Over 45% of our first-year class is involved in a LC, and nine out of ten first-year students take a First Year Experience (FYE) course. Both LCs and FYEs greatly contribute to firstyear retention rate, which is at 94%. We are collaborating with the Vice President for Enrollment Management's Office on new strategies to increase our retention of first-generation students. As such, we our participating in an APLU Transformation Cluster Committee in this regard. However, it should be noted that our latest 6-year graduation rate is an impressive 85%.
  - The Learning Community Innovation Zone makerspace experienced a four-time increase in the last year as compared to its inaugural year in 2016-17.
  - The Major Experience (https://tme.uconn.edu/), a student-centered program dedicated exclusively to major exploration, experienced substantial growth and development over the last year and garnered national recognition.
  - We opened a new Academic Achievement Center on our urban Hartford Campus to provide students with programs, resources, and services to enhance skill development, effective decision-making, and personal transitions to and within the university setting.

- **Enrichment Programs** (https://enrichment.uconn.edu/). Enrichment includes the Honors Program, Individualized and Interdisciplinary Studies Program, Office of National Scholarships & Fellowships, Office of Undergraduate Research, Pre-Medical/Dental Center & Pre-Law Center, and University Scholars Program.

Direct Report: Dr. Jennifer Lease-Butts, Assistant Vice Provost
Indirect Reports: 25 staff
Budget: >$8.1M

Selected Accomplishments:

- We developed new University Honors Laureate and Honors Scholar in the major designations (UConn previously only had Honors Scholar) – new designations make Honor awards more accessible to all UConn students while maintaining their standards.
- Through the Office of Undergraduate Research we expanded funded research opportunities in our new Health Research Program where students are mentored by UConn Health faculty members.
- In the last three years, we expanded our support for students in our Office for National Scholarships and Fellowships; since 2018 we have had one Rhodes Scholar, two Truman Scholars (UConn's seventh & eighth), one Marshall Scholar (UConn's fifth), one Udall Scholar (UConn's eighth), one Boren Scholar and one Boren Fellow, four Goldwater Scholars, 11 Fulbright Scholars, and 23 NSF Graduate Research Fellowships. In just 2019, our students received 25 national awards, six more than the previous year and the most ever in UConn's history.
- In fall 2019, we expanded our Honors Program to new Honors freshmen on our urban Stamford campus – offerings include courses and co-curricular experiences.
- Our 2019 Honors graduating class was the largest in UConn's history, with more than 440 students graduating in the Honors program, our previous record was 399 students in 2018.

- **Center for Career Development** (https://career.uconn.edu/) (CCD) – In partnership with employers, alumni, faculty, and staff, CCD connects students to quality career development resources, internships, experiential learning, and post-graduate opportunities.

Direct Report: Mr. James Lowe, Assistant Vice Provost
Indirect Reports: 22 staff
Budget: >$4.1M

Selected Accomplishments:

- Over the last year, we had 880 employers at Career Fairs, a 13.8% increase over the previous year.
- Employer Advisory Council, meeting 4 times last year, expanded to 22 companies, up from 18 the year before.
- We launched CCD OnDemand and Husky Mentor Network. The latter connects UConn alumni & professionals for one-on-one career conversations with students.
- We partnered with nine Departments on programs centered on topics of diversity and inclusion. CCD was a finalist for the National Association of Colleges and Employers award for diversity and inclusion initiatives.
- We established a stronger career presence at regional campuses, including additions of staff and programs.

- **Veterans Affairs and Military Programs** (https://veterans.uconn.edu/)– These programs provide a full range of benefits and services to students who have served or continue to serve in our Armed Forces, including benefits processing, event programming, and community outreach.

Direct Report: Lt. Col. Alyssa Kelleher, Director

Indirect Reports: 7 Staff
Budget: >$2.0M

Selected Accomplishments:

- We increased Army ROTC partnership with four additional universities over the last year, bringing our program to 15 colleges and universities across Connecticut.
- We increased outreach efforts to student Veterans across all UConn campuses.
- We dedicated new Veteran space at all UConn campuses and renovated the main office and student space for the Veterans Affairs and Military Programs at the main campus, including the addition of a new active-learning classroom.
- In March 2019 we initiated the Veterans History Project, which includes for-credit student internships in partnership with the Department of History.

- **Student-Athlete Success Program** (http://www.uconnhuskies.com/sports/sasp/conn- sasp-body.html) – This program provides resources dedicated to empowering student- athletes to become independent, successful, and ethical student learners. The primary goal of the program is to assist student-athletes in reaching their educational goals while competing in intercollegiate athletics.

Direct Report: Ms. Ellen Tripp, Associate Athletic Director/Director of SASP
Indirect Reports: 11 staff
Budget: >$2.9M

Selected Accomplishments:

- We transferred reporting from Athletic Director's Office to Provost's Office fall 2018. Fourteen of our 24 teams scored 990 or better on their Academic Progress Rate (APR). Notably, football received a 981 (out of 1,000) multi-year score which is the highest rate achieved by the team since the APR was instituted in 2004.

- **Additional Selected Accomplishments / Administrative Highlights (2017 – 2020)**
  - I led the negotiations for the Office of the Provost with the American Association of University Professors Union, the University Senate, and Labor Relations in regard to the **Promotion, Tenure and Reappointment** procedures. The successful 2017-2018 negotiations resulted in an agreement that dramatically restructured PTR, retaining the rigor of the process while increasing fairness.
  - In 2019, I led the negotiations to restructure promotion and reappointment for non-tenure track faculty members. This resulted in the development of a new form and procedures, which was the first in the university's history.
  - I initiated and co-led the effort, in collaboration with Deans, Center Directors, and other stakeholders, in creating a university-wide **Institute of the Environment**, which was approved by the Board of Trustees in January 2019. The Institute reports to the Provost's Office and functions as an integrative structure with an overarching mission to broadly advance the environmental enterprise at UConn with respect to scholarship, research, graduate education, and engagement activities.
  - In collaboration with stakeholders across the university, we investigated a large number of potential software platforms that provide a suite of tools to enhance units' operations and assist in strategic planning for continuous improvement. Examples include the following:
    - *Nexus* (launched summer 2018) – a UConn custom web application that provides a suite

of tools for student advising and enhances communication and information-sharing among students, staff, and faculty members. We are currently developing a Nexus Data Dashboard that will empower the academic advising community to engage academically for at-risk students in a more timely fashion and allow for more positive impacts on retention and graduation.

- *Portfolium* – was rolled out to all entering Honors freshmen as an *ePortfolio* platform in fall 2018. Because of its wide interest among stakeholders across the University, we recently purchased an enterprise license to provide access to any unit that wished to adopt it to support their academic needs.
- *Burning Glass* (launched winter 2018) – to assist Deans, Department Heads, and faculty members in providing program insight, labor insight, and career insight.
- *Handshake* (launched fall 2018) – a new career portal that houses all CCD information and functions.
- *Academic Analytics* (scheduled for summer 2019 rollout) – a data analysis tool to assist Schools/Colleges, Departments, and Centers/Institutes in strategic planning and to foster and showcase faculty scholarship.
- *EAB Academic Performance Solutions* – we are currently connecting UConn data with EAB with a roll out date for Schools/Colleges scheduled for spring 2020.

- **Additional Duties and Areas of Responsibility:**
  - I led the **life-transformative education** (LTE) initiative. The LTE initiative is one of the top three priorities of the President, which has the goal to scale LTE to all 24,000 undergraduate students. We initiated our LTE project with a university-wide taskforce, that has developed five working groups, and a workshop planning committee. The areas of focus are in "authentic and inclusive learning," "best practices," "advising & mentoring," "cultural change," and "assessment."
  - I oversaw Provost Development Meetings for Department Heads, Associate Deans, and Center/Institute Directors.
  - I collaborated with Governmental Relations on Legislative response requests and testimony, including numerous written testimonies, presenting oral testimony for Legislative Committees, and meeting with Legislators when requested.
  - I was the lead negotiator for the Office of the Provost with the American Association of University Professors Union on Promotion, Tenure and Reappointment (PTR) procedures.
    - In 2017-18 negotiated new PTR procedures that went into effect fall 2019.
    - In 2019, I led negotiations for restructuring promotion and reappointment procedures and processes for full-time non-tenure track faculty, including clinical, in-residence, and extension faculty members.
    - I chaired the Presidential Committee tasked with updating the University By-Laws on the Committee of Three in the Promotion, Tenure, and Reappointment process.
  - Co-Directed the annual Promotion, Tenure and Reappointment process and review for the Office of the Provost. In 2019, this included serving as Provost liaison for the entire faculty PTR appeal process.
  - I led the Office of the Provost response with the Office of Institutional Equity, the Office of Audit, Compliance & Ethics, and the Office of General Counsel in matters related to faculty members and undergraduate students.
  - I was the Provost liaison for strategic planning with Regional Campus Directors for faculty and student affairs. This includes development of new academic programs and meeting with appropriate State Legislators when requested.
  - I coordinated with Office of Institutional Research & Effectiveness on matters related to faculty

members and students. Recent examples include retention for both students and faculty as well as equity pay studies for faculty.
- I was the Provost designee on the Behavioral Assessment Oversight Committee
- I led the Office of the Provost on matters related to Academic Affairs Committee of the Board of Trustees, the CT Office of Higher Education, and the Faculty Consulting Office, among others.
- I coordinated review and selection of Board of Trustees Distinguished Professors from across all university departments.
- I led UConn's relationship with the New England Commission of Higher Education (NECHE, formerly NEASC). NECHE is the regional accreditation agency for colleges and universities in the six New England States.
- I worked closely with Provost on faculty recruitment and retention initiatives. In the last two years, we have retained more than 30 tenure-track faculty members.
- I led the Provost's Office partnership with Barnes and Noble College, with whom I negotiated the UConn Bookstore Student Account Program, which became available to students on an opt-in basis in fall 2019.

Head, Natural Resources and the Environment, University of Connecticut (2007 -2017)

Program Initiatives and Highlights:

- In collaboration with colleagues in the UConn School of Engineering, College of Agriculture, Health and Natural Resources as well as university administration, including the Vice-President for Research and the Provost, helped to successfully establish the $9 million **Eversource Energy Center** in October 2015. The Center is a unique collaborative relationship that seeks to be the foremost energy utility-academia partnership, advancing cutting-edge interdisciplinary research and technology to assure reliable power during extreme weather events.
- Founder and Director (2010 – 2017) of the University of Connecticut's **Natural Resources Conservation Academy**, an outreach program in conservation and land use planning targeted to high school students. The program seeks to reconnect students to nature and to facilitate their participation in a conservation focused project in their local community. This effort has expanded to three individualized programs including one targeted for high school teachers (see website for more details).
- Led collaborative effort in spring 2012 with Departments of Civil and Environmental Engineering and Agricultural Resources Economics to develop a cluster hire initiative in "Climate and Sustainable Water Resources," which was subsequently approved by the President and Provost. To date, seven new tenure-track faculty positions have been successfully filled in the Climate and Sustainable Water Resources cluster.
- Provost Environment Committee (2009-2012) – assisted in developing a new cross-college undergraduate major in Environmental Studies, which received final State approval in January 2013.
- Organized and led a collaborative team from the College of Agriculture and Natural Resources to respond to two severe storm events that occurred in the Northeast in 2011. This was a multidisciplinary effort that involved forest management, geospatial modeling, tree biomechanics, atmospheric science, urban and community forestry and extension and outreach. Eventually, we merged our proposal with a parallel effort in the UConn School of Engineering, and together our proposal entitled "NU Center of Excellence in Storm Mitigation and Power System Resilience: A 2-year Demonstration Activity" was funded for $1.8 Million by Northeast Utilities in March 2013. This effort led to the successful establishment of the Eversource Energy Center described above.
- Initiated and assisted in the development of a Graduate Certificate program entitled: "Sustainable Environmental Planning and Management," which was approved the University of Connecticut Board of Trustees in November 2013.

- In collaboration with two colleagues, wrote a proposal to the US DOI's Cooperative Ecosystems Studies Unit (CESU), which resulted in UConn becoming a full member of the North Atlantic Coast CESU in 2014.
- Helped lead the successful effort to create a new Professional Science Master's program entitled "Master's in Energy and Environmental Management," which is a collaborative effort among the College of Agriculture, Health and Natural Resources, the College of Liberal Arts and Sciences and the School of Law. The new program was approved by the UConn Board of Trustees in 2015.

International Initiatives:

- In 2010, assisted in developing Cooperative Agreements with China Agricultural University and Sichuan University to promote collaborative research and education initiatives among faculty and students.
- In 2011, with NRE faculty and Chinese colleagues helped organize and sponsor two joint conferences entitled: "Sino-US Forum on Eco-hydrology and Water Resources." The first was held at China Agricultural University and the second at the Chinese Academy of Science & Ministry of Water Resources Institute of Soil and Water Conservation.
- In 2011, 2013, and 2016 assisted in organizing and teaching a semester study abroad program in Florence, Italy entitled: "Sustainable Agriculture & Food Systems Program."
- In 2012, as an extension of the Florence program, I led the effort to develop a new concentration for undergraduate students in the Natural Resources major entitled: "International Studies in Sustainable Natural Resources."
- In 2012, as an outcome from the Cooperative Agreements with Chinese Institutions as well as with sustained engagement, the UConn College of Agriculture and Natural Resources developed a 3+1+X program with Sichuan University and NRE developed a new summer study abroad opportunity entitled: "Environmental and Natural Resources in China." In 2013 developed a 3+1+X program with China Agricultural University focused on sustainable water resources.

Florida Atlantic University (1995–2007)

Administrative Highlights:

- Led the effort and was the principal investigator for FAU on a successful collaborative proposal in partnership with the University of Florida and Nova Southeastern University that was submitted to the US Geological Survey for the development of a South Florida Science Center. The restoration of the Florida Everglades is an $8 billion project that is estimated to take 30 years to complete. The restoration, called the Comprehensive Everglades Restoration Plan (https://evergladesrestoration.gov/), is a joint federal/state partnership that is science based. The USGS is to provide the science for the federal component and to assist in addressing the scientific needs of the restoration with nonfederal partners. In October 2003 the USGS awarded the contract to build the South Florida Science Center with the FAU/UF/NSU consortium. The Center will be designed to house 130 government scientists plus support staff, as well as university faculty and staff to work on Everglades restoration and other water and environmental issues. As part of this project the three universities proposed to develop a joint Center of Excellence in Environmental Sciences.
- Led the effort and was the principal investigator for the proposal FAU submitted to the US Department of Interior's Cooperative Ecosystems Studies Unit (CESU). This successful proposal allowed FAU to become a member of the South Florida Caribbean CESU, which, by 2006, had resulted in over a million dollars in research funding for the university.
- Wrote a legislative initiative that resulted in funding by the State of Florida for a research and teaching greenhouse facility budgeted at $183,000 per year for operation, maintenance and personnel. Subsequent to funding wrote the greenhouse plan and was intimately involved in the greenhouse design and

development. Construction on the $1,300,000 greenhouse facility was completed in September 2006.

- Developed a Memorandum of Understanding for research and teaching with Leadership for Environment and Development (LEAD) International. LEAD International is an independent, not-for-profit organization, established in 1991 by The Rockefeller Foundation, and a global network of individuals and non-governmental organizations, committed to sustainable development. The LEAD network is coordinated through an international secretariat based in the campus of Imperial College, London. LEAD's mission is to create, strengthen and support networks of people and institutions promoting change towards sustainable development worldwide. Worked closely with the Regional Director of LEAD Southern Africa following the signing of the formal agreement in developing potential research projects in Malawi, Africa.
- Represented the Florida Center of Environmental Studies as well as the FAU Environmental Sciences Program on the strategic opportunities committee of the National Council for Science and Environment's Council for Environmental Deans and Directors.

Foundation Activities (UConn 2007-2020)

- First-ever endowed Chair in the College of Agriculture and Natural Resources: "The George F. Cloutier Endowed Chair in Forestry" ($1.5 million deferred gift in 2008).
- The endowed "George F. Cloutier Forestry Scholarship Award" ($100,000 in 2008).
- The endowed "David B. Schroeder Scholarship" ($10,000 in 2008, > $75,000 in 2017).
- The non-endowed "The James V. Spignesi, Jr. Graduate Fellowship" ($60,000 in 2010).
- Funding to establish and operate the Natural Resources Conservation Academy from anonymous donor for $300,000 ($50,000 per year from 2010-2015) – originally was only going to provide funding for first three years.
- Alumnus non-endowed gift of $100,000 in 2013 to be used in support of forestry program.
- Received funding with colleagues in art & design and extension from the SURDNA Foundation for $350,000 for a project entitled: "Creating a model of green infrastructure implementation that incorporates public education, civic engagement, community building, youth involvement, and artful design and place-making into stormwater management efforts," 2014 – 2016 (see *Research Grants & Contracts* for collaborators).
- Diebold Foundation gift of $25,000 in support of the Natural Resources Conservation Academy (NRCA) and $6,250 from the Connecticut Institute for Resilience & Climate Adaptation Matching Fund Program – 2016, proposals written with Dr. Laura Cisneros
- Difference-Makers Program – to provide funding for former Natural Resources Conservation Academy high school students who are currently pursuing their undergraduate degrees at UConn. The program is designed to help launch student careers at UConn and "payback" the NRCA by mentoring new students. The original anonymous donor is providing $100,000 to initiate this program ($25,000 per year for 2017-2020).
- Goldring Family Foundation gift of $25,000 in support of student scholarships and program support for the Natural Resources Conservation Academy – 2018.
- "Preserving New London County Coastal Environments by Engaging Teens, Adults and Teachers in Environmental Education and Service Learning." Co-PI with Beissinger, A.(PI), L.M., Cisneros, C. Arnold, & J. Vokoun. Community Foundation of Eastern Connecticut, Environmental & Animal Welfare Grants. $12,000. 2018-2020.
- "Catalyzing a Universal Culture for Life-Transformative Education at UConn: A Roadmap to Scale Across the University," a $45,000 grant through Olin College and the Kern Family Foundation – 2020.

Research Impact

h-index = 34, i10-index = 48, most cited work = 1,639 (Google Scholar)
Papers with more than 80 citations = 16, Total citations = 5,304

Research Grants and Contracts

Foundation awards

Have totaled > $11 million (see examples above).

Federal, State, Private and Tribal Sponsor Awards

> 50 grants totaling > $18.6 million.

Pending

"EMPOWER: Enhanced Mentoring Program with Opportunities for Ways to Excel in Research – University of Maine System Expansion," PI with Georita Frierson, Leah Hakkola, Kody Varahramyan, and Gabriel Paquette, National Science Foundation Advance Partnership Program, submitted Nov. 2023, $1,000,000 requested.

Active

"Finish Strong – Complete Your Journey Adult Completion Grant," PI with Scott Marzilli, Hannah Carter, Gabriel Paquette, Megan Walsh and Deborah Hadeen, $1,231,000, 2023 – 2025, University of Maine System.

"Creation of the Rural Career Pathways Center," PI with Renee Kelly and Brian Olsen, $1,500,000, 2022 - 2024, Maine Jobs and Recover Plan.

Completed

"Redefining public engagement at the University of Connecticut: studying the impact of an innovative STEM service learning model on the university community," Co-PI with Chester Arnold (PI), Marisa Chrysochoou (Co-PI), Todd Campbell (Co-PI) and Peter Diplock (Co-PI), $2,250,000, October 2019 – September 2024, National Science Foundation Improving Undergraduate STEM Education Program.

"Promoting lifelong STEM learning through a focus on geospatial technology and community engagement," PI with Chester Arnold, Todd Campbell, Cary Chadwick and David Moss, $2,995,133, October 2016 – September 2022 (one-year no cost extension), National Science Foundation Advancing Informal STEM Learning Program.

"Mapping the spatial distribution of Japanese barberry, (*Berberis thunbergii*) using multispectral remote sensing," PI with Robert Fahey, Jason Parent and Nancy Marek, $90,000, October 2017 – September 2022, USDA McIntire-Stennis Program.

"Stormwise II: Vegetation management and modeling for storm resistant trees, resilient power and sustainable futures," Co-PI with Anita Morzillo, Robert Fahey, Thomas Worthley, Jason Parent and

Chandi Witharana, $1,004,000, January 2018 – December 2020, Eversource Energy.

"Water and Sustainability: Educative curriculum using online mapping tools to support teacher and student learning," Co-PI with Chester Arnold (PI), Cary Chadwick, Todd Campbell, David Moss, Emily Wilson and Michael Willig, $144,000, October 2016 – September 2019, USDA AFRI Challenge Area Water Resources.

"The UConn Climate Corps: Serving Connecticut's communities while providing a unique undergraduate learning experience," Co-PI with Chester Arnold (PI), Julianna Barrett, Bruce Hyde, Mark Boyer, Maria Chrysochoou and Sylvain DeGuise, $150,000, July 2016 – July 2019, University of Connecticut Academic Plan Competitive Grant Program.

"Cross-training forestry graduates in landscape-scale sustainability planning: integrating decision science with social-ecological geospatial models," Co-PI with Chadwick Rittenhouse (PI), Daniel Civco, Thomas Meyer, Mark Rudnicki and Jason Vokoun, $238,500, May 2014 – April 2019, USDA NIFA Food and Agricultural Sciences National Needs Graduate and Postgraduate Fellowship (NNF) Grants Program.

"Assessing capacity for small scale forest products production in CT," Co-PI with Thomas Worthley (PI), $70,360, October 2013 – September 2018, USDA McIntire-Stennis Program.

"Stormwise: Vegetation Management and Modeling for Storm Resistant Trees, Resilient Power and Sustainable Futures," PI with Thomas Worthley, Anita Morzillo, Jason Parent and Christine Kirchhoff, $1,213,521, June 2015 – January 2018, Eversource Energy.

"Evaluation of airborne & mobile LiDAR technologies for monitoring roadside vegetation and utility infrastructure," PI with Jason Parent, Emannouil Anagnostou, Thomas Meyer, David Wanik and Wei Zhang, $338,062, January 2016 – May 2017, Eversource Energy.

"Further evaluation of LiDAR and alternative technologies for monitoring roadside vegetation and utility infrastructure," Co-PI with Jason Parent (PI), Thomas Meyer, Wei Zhang, Robert Fahey, Emmanouil N. Anagnostou, and David W. Wanik, $154,000, October 2016 – December 2017, Eversource Energy.

"Agroforestry riparian project for biofuel and environmental benefits," Co-PI with John Clausen (PI), Daniel Civco, Julia Kuzovkina, Chadwick Rittenhouse, Gary Robbins, Glenn Warner and Xiusheng Yang, $70,360, October 2012 – September 2017, USDA Hatch Program.

"Forest susceptibility of non-native woody plant invasion under different forest management practices," PI with D. Civco, T. Worthley and J. Parent, $70,360, October 2011 – September 2016, USDA McIntire-Stennis Program.

"Creating a model of green infrastructure implementation that incorporates public education, civic engagement, community building, youth involvement, and artful design and place-making into stormwater management efforts," PI with Chester Arnold, Jonathan Fogelson, Michael Dietz and Laura Cisneros, $350,000, April 2014 – April 2016, SURDNA Foundation.

"Stormwise:" An innovative approach to forest stewardship, public outreach and stakeholder collaboration at the landscape scale," Co-PI with Thomas Worthley (PI), Mark Rudnicki and Jeff Ward, $256,703, July 2013 – June 2016, US Forest Service State and Private Forestry FY 2013 Northeastern

Area Competitive Grant Program.

"NU Center of Excellence on Storm Hazards Mitigation & Power System Resilience: A 2-yr Demonstration Activity," Co-PI with Emmanouil Anagnostou (PI), Mark Rudnicki, Brian Hartman and Thomas Worthley, $1,800,000, March 2013 – May 2015, Northeast Utilities (see Administrative Highlights at end of CV for details).

"Feasibility of a local wood products network for rural lands in urbanizing regions: A pilot study in southern New England," Co-PI with Thomas Worthley (PI), Stephen Swallow and Joshua Berning, $150,000, October 2011 – September 2013, USDA/NIFA/AFRI Foundational Grants Program.

"Assessing invasion potential under differential canopy leaf phenologies in southern New England temperate forest ecosystems," Co-PI with Thomas Meyer and Thomas Worthley, $42,216, October 2010 – September 2013, USDA McIntire-Stennis Program.

"Control of invasive black locust (*Robinia pseudoacacia* L.) with small-scale harvesting and processing for locally marketed forest products: A feasibility study," PI with Mark Rudnicki and Thomas Worthely, $28,144, October 2009 – September 2011, USDA McIntire-Stennis.

"Evaluating multiple control methods for *Hydrilla verticillata* in the Silvermine River System," PI with Jason Vokoun, $149,852, August 2008 - November 2010, Connecticut Department of Environmental Protection.

"Development of a sampling prioritization model to optimize the selection of tree islands in the Everglades Wildlife Management Area for surveying of *Lygodium microphyllum,*" Senior PI with Erik Noonburg, $158,897, July 2007 – June 2009, Florida Fish and Wildlife Conservation Commission.

"Determining the hydrology of tree islands in the Florida Everglades: implications for restoration," Senior PI with Mary Ann Furedi, $249,000, January 2007 – October 2008, South Florida Water Management District, Everglades Restoration Coordination and Verification Program.

"Potential novel biological control agents of the invasive weed *Lygodium microphyllum*: exploratory surveys and testing of possible pathogenic microbes in Australia and SE Asia," Senior PI with Elizabeth Aitken, Min Rayamajhi and Michael Tobin, $140,000, September 2006 – June 2008, Florida Department of Environmental Protection Division of Invasive Species Management Annual Research Proposal Competition for Invasive Plant Management.

"The Invasion of *Lygodium microphyllum* on Tree Islands in the Everglades Protection Area: Exploring its Spatial Distribution," Senior PI with Mary Ann Furedi, $108,000, April 2006 – June 2007, Florida Fish and Wildlife Conservation Commission.

"*Lygodium microphyllum* growth in its native versus invaded habitat," Supplemental Grant to the following grant, $20,067, April 2006-April 2007, Seminole Tribe of Florida, Water Resources Management Division.

"*Lygodium microphyllum* growth: functional basis for geographical variations," Senior PI with Elizabeth Aitken, Qinfeng Guo, Kaoru Kitajima, Eric Kruger, Susanne Schmidt and Gimme Walter, $238,184 June 2005-June 2007, South Florida Water Management District, Everglades Research Division.

"Hydrological impacts on the ecology of Everglades tree islands," $149,000, June 2005 – December 2006, South Florida Water Management District, Everglades Restoration Coordination and Verification Program.

"Crayfish Population Dynamics; Hydrological Influences," with Michael S. Lott, $483,000, May 2004-September 2009, South Florida Water Management District, Everglades Restoration Coordination and Verification Program.

"Vegetative Assemblages as Bioindicators of Hydrological Restoration on the Big Cypress Seminole Indian Reservation: Developing a Predictive Quantitative Model," $150,000, September 2003 – August 2007, Seminole Tribe of Florida, Water Resources Management Division.

"Developing Vegetative Bioindicators of Hydropattern and Nutrient Levels on the Big Cypress Seminole Indian Reservation," $75,000, July 2003 – June 2007, U.S. Department of Interior, Critical Ecosystem Studies Initiative and Seminole Tribe of Florida.

"Landscape Model of Ridge and Slough Topography: Integration of Hydrology and Biological Processes," with Thomas Givnish, Paul Glaser and Jacqueline Gallagher, $775,058, August 2002 – September 2006. U.S. Department of Interior South Florida Caribbean Cooperative Ecosystem Studies Unit.

"Predicting habitat spread of the invasive fern, *Lygodium microphyllum*, across the Everglades landscape," $150,000, February 2005-July 2006, South Florida Water Management District.

"Release from natural enemies belowground could explain why *Lygodium microphyllum* is such a successful invader in Florida: a potential new direction for searching for an effective biocontrol agent," $50,792, July 2004-June 2006, Florida Department of Environmental Protection Division of Invasive Species Management Annual Research Proposal Competition for Invasive Plant Management.

"Fighting extinction, rhino sanctuary evaluation crucial in preservation of black rhino (*diceros bicornis*) in Malawi," $14,600, January 2005-January 2006, Florida Atlantic University Research Enhancement Program.

"Modeling optimal management strategies to control the invasion of *Lygodium microphyllum* over the Florida landscape," $28,000, August 2003 – July 2004, Florida Department of Environmental Protection Division of Invasive Species Management Annual Research Proposal Competition for Invasive Plant Management.

"Chemical factors limiting forest tree growth in historic flow-ways of the Big Cypress Reservation: The relative roles of [K], [P] and other nutrients," $154,000, December 2001 – January 2004, U.S. Department of Interior Critical Ecosystem Studies Initiative.

"Development of a simulation model relating hydrology, topography and edaphic factors to landscape plant community structure in freshwater marshes," Senior PI with Thomas J. Givnish, $296,000, August 2001 – October 2003, U.S. Department of Interior Critical Ecosystem Studies Initiative.

"The Effect of Flow Rate on Phosphorus Uptake by Periphyton," $205,000, April 2001 – September 2003, U.S. Department of Interior Critical Ecosystem Studies Initiative.

“Hydrologic monitoring of wetlands of the Big Cypress Seminole Indian Reservation,” Senior PI with Jacqueline Gallagher, $31,000, August 2001 – March 2003, Seminole Tribe of Florida Water Resource Management Division.

"The impact of invasive non-indigenous fish on wetland restoration at the Big Cypress Seminole Reservation,” Senior PI, $65,000. April 2001 – April 2003, in collaboration with the Florida Caribbean Science Center and the Seminole Tribe of Florida, funding from the United States Geological Survey Eastern Regional Office State Partnership Program.

“Growth response of two invasive non-indigenous fern species, *Lygodium microphyllum* and *Lygodium japonicum* and two native vine species under different light levels,” Senior PI with Michael S. Lott, $20,000. February 2001-February 2002, Florida Department of Environmental Protection Division of Invasive Species Management Annual Research Proposal Competition for Invasive Plant Management.

“Nutrient dynamics of a natural riparian system: Kissimmee Billy Strand,” $210,000, February 2000 – September 2002, U.S. Department of Interior Critical Ecosystem Studies Initiative.

“Dispersal, reproduction and physiological ecology of two invasive non-indigenous fern species, *Lygodium microphyllum* and *Lygodium japonicum,*” Senior PI with Daniel F. Austin, Robert W. Pemberton and Michael S. Lott, $40,000, February 2000-February 2001, Florida Department of Environmental Protection and the South Florida Water Management District.

“Quantifying the floodplain seed bank for the Kissimmee River Restoration Project,” $5,000, March 1999-August 1999, South Florida Water Management District.

“Ecological impacts of temporary storage of agricultural effluent on forested wetlands,” Senior PI with Daniel F. Austin, $110,000, October 1998-April 2000, U.S. Department of Interior Critical Ecosystem Studies Initiative.

“Assimilative capacity for phosphorus of C and SF canals on the Big Cypress Reservation,” Senior PI with Daniel F. Austin, $100,000, October 1998-April 2000, U.S. Department of Interior Critical Ecosystem Studies Initiative.

“Successful management of a South Florida pine flatwood community utilizing a prescribed fire protocol,” $37,000, October 1997-September 1999, Florida Department of Agriculture and Consumer Services Division of Forestry with matching funds from Florida Atlantic University.

“Seed Dynamics of Native and Exotic Plants in South Florida Hardwood Hammocks,” $4,200, February 1997-February 1998, Florida Atlantic University Research Initiation Award.

“Plasma Treatment of Pine Seeds and Cones,” $2,000, February 1997-February 1998, University of Wisconsin-Madison Gift Grant.

"Tree Response to Elevated CO_2 and Herbivory: Growth, Physiology and Insect Performance," Co-PI with Eric L. Kruger (PI) and Richard L. Lindroth, $190,000, July 1993-July 1996, United States Department of Agriculture National Research Initiative, Plant Responses to Environment Program.

"Synergistic Effects of Elevated CO_2 and O_3: Impact of Interspecific Differences in Stomatal Conductance and Photosynthetic Pathway," Co-PI with Peter B. Reich (PI) and Thomas J. Givnish, $80,000, February 1991-January 1993, National Science Foundation.

Patents

"Cold-Plasma Treatment of Seeds to Remove Surface Materials," with Raymond A. Young, Ferenz Denes and Sorin O. Manolache. Patent # 6,543,460, April 2003.

Honors and Awards

Sigma Xi scientific research society – 1988
Gamma Sigma Delta honorary academic society – 1988
Distinguished Community Service Award conferred by Florida Board of Regents 1999
Florida Atlantic University's **Researcher of the Year Award** – 2001
First **Educator of the Year Award** presented by the Broward Alliance – 2006
Visiting Fellow, Center for Creative Solutions, Marlboro College Graduate School – 2012 - 2017
The University of Connecticut's Neag School of Education's **David Blick Science Education Award** – 2015
Connecticut Urban Forest Council's **Outstanding Urban Forestry Project Award** (team award for Stormwise) – 2016
Maria Pirie Environmental Education Program Award presented by the New England Environmental Education Alliance (team award for the Natural Resources Conservation Academy) – 2016
College of Agriculture, Health and Natural Resources' **Excellence in Research Award** – 2017
Outstanding Organization of the Year Award for the Natural Resources Conservation Academy presented by the Connecticut Outdoor and Environmental Education Association – 2018
Data in Education Award - University & Graduate Level for the Conservation Training Partnership Program presented by DataHaven for the 2018 DataHaven Innovation Awards
University of Connecticut **Environmental Leadership Award** in recognition for environmental sustainability efforts on campus and in the community – 2019
Provost's Award for **Excellence in Community Engaged Scholarship** to the Natural Resources Conservation Academy (team award), University of Connecticut. 2019.
Connecticut Land Conservation Council's 2020 **Excellence in Land Conservation Organization Award** for the Natural Resources Conservation Academy
Phi Kappa Phi Honor Society – 2021
American Educational Research Association's 2023 **Outstanding Conference Submission Award** in the **AERA Experiential Education and Community Engagement: Scholarship and Practice** SIG 41, for the project, "Interrogating consequential education research: Exploring social networks connecting communities with a university environmental service-learning program."

Professional Service

- Board of Directors of the South Dakota Resources Coalition 1987-88
- Appointed to Broward County's "Natural Resource Protection Advisory Board"-1997 - 2000
- Project team member for educational use of Natural Areas governed by Broward County Parks and Recreation Division – 1997
- Appointed to the Ft. Lauderdale, FL, Museum of Discovery and Science's "Science Advisory Board"-1998
- Natural Areas Fire Committee - 1998

- Research Committee Chair for the Florida Exotic Pest Plant Council - 1998 – 2007
- Member of the Board of Directors of the Florida Exotic Pest Plant Council – 2002 – 2004
- Science Advisory Board Chair for the Florida Native Plant Society – 2000-2001
- U.S. Department of Interior Critical Ecosystem Studies Initiative Science Advisory Committee 2000 – 2007
- Technical Review Committee (TRC) member for the South Miami-Dade Watershed Study – 2003 – 2005
- National Fish and Wildlife Foundation external reviewer for research proposals
- National Science Foundation external reviewer for research proposals
- National Council for Science and the Environment, Council of Environmental Deans and Directors, Strategic Opportunities Committee member 2003 – 2005
- Science Coordination Group member of the Comprehensive Everglades Restoration Plan 2003-2007
- Greater Everglades Wetlands Module Group member 2004 - 2008, includes being named Chair of Everglades Landscape Subgroup as well as Trophic Subgroup member
- Connecticut Urban Forest Council board member 2007 – 2014
- Connecticut Forest Conservation and Research Forum committee member 2008 – 2011
- Natural Resources Working Group Core Team member of the CT Governor's Subcommittee on Climate Change Impacts 2009
- Independent Scientific Review Panel for synthesis of ecological consequences of extreme depth events on the Florida Everglades to inform the Restoration Coordination & Verification (RECOVER) program, Panel Co-Chair 2011-12
- *Coupled Human and Natural Systems* Session Co-Chair, Greater Long Island Sound Environmental Network Conference, October 2013, Groton, CT.
- Conference Planning Committee Member and Chair of the "Shifts and Challenges to Vegetative Communities" session for the "Recommendations for Everglades Restoration Under a Future Climate Scenario Technical Meeting," April 2014, Boca Raton, FL.
- National Research Council of the National Academies reviewer of NRC's Water Science and Technology report entitled: "Progress Toward Restoring the Everglades – The Third Biennial Review, 2010" and "The Fifth Biennial Review, 2014"
- National Council for Science and the Environment, Council of Environmental Deans and Directors, International Committee Chair, 2015
- National Science Foundation Advancing Informal STEM Learning program panel review, 2017 & 2018
- Sole external reviewer for the University of Rhode Island's Department of Natural Resources Science six-year Self-Study, 2017
- External reviewer for the Notre Dame University-Louaize Environmental Science Program, 2017
- Association of Public & Land-Grant Universities (APLU) Transformation Cluster Initiative to eliminate the achievement gap for low-income, minority, and first-generation students, committee member 2018 – 2020
- New England Board of Higher Education, appointed 2019
- Coalition for Transformational Education (CTE) Executive Committee, 2020 – Present
- Coalition for Transformational Education (CTE) Gallup Survey Committee Chair, 2020 – Present
- Executive Committee member for the Association of Public and Land-grant University's (APLU) Council on Academic Affairs, 2022 – Present
- NCAA Division I Committee on Academics and NCAA Division I Subcommittee on Student-Athlete Academics 2023 – Present

University Service:

University of Connecticut (2007 – 2020)

- College of Agriculture, Health and Natural Resources Executive Council 2007 – 2017
- Head, Department of Natural Resources and the Environment 2007 – 2017
- Nature & Environment: The Edwin Way Teale Lecture Series Committee 2008 –2020
- Environmental Science Undergraduate Program Advisory Committee 2008 – 2012
- UConn Environmental Policy Advisory Council (EPAC) 2008 – 2020
- EPAC Sustainable Development Workgroup Planning Committee Chair 2011 – 2012
- Center for Environmental Sciences and Engineering Advisory Committee 2008 –2020
- Provost's Environment Committee 2009 – 2012
- Environmental Studies Major Subcommittee 2009 – 2012
- University Environmental Research Initiative Subcommittee Co-Chair 2010 – 2012
- Provost's Academic Center/Institute Review Committee, 2010 – 2013 (Chair, 2011-13)
- Vice President for Research Search Committee 2012 – 2013
- Environmental Science External Review Co-Chair 2012 – 2013
- Environmental Science(s) Co-Director 2012 – 2013, Director 2013 - 2017
- Environmental Studies Undergraduate Program Advisory Committee 2012 – 2017
- Greater Horn of Africa Initiative Committee – Office of Global Affairs 2012 – 2017
- Landscape Biogeochemist Assistant Professor Search Committee Co-Chair 2012
- Sustainable Environmental Planning and Management Graduate Certificate Program Committee Chair 2013 – 2017
- Graduate Professional Development Workshop Committee member 2012
- Greater Long Island Sound Environmental Network Advisory Committee 2012 – 2013
- Environmental Sciences Curriculum Committee, Chair 2013 – 2015
- University Senate member 2013 – 2016
- University Strategic Area Advisory Team on Sustainability and Resilience: Environment and Energy 2013
- Provost's Annual Report Committee 2013 – 2014
- Natural Resources and the Environment Departmental Eight-year Program Review Self-Study 2013 – 2014
- Wildlife/Fisheries Ecotoxicologist Faculty Search Committee Co-Chair 2013 – 2014
- Climate Impact Mitigation and Adaptation Conference Committee 2013 – 2020
- Masters in Energy and Environmental Management Committee Co-Chair 2013 – 2020
- University Master Plan Advisory Committee 2014 - 2016
- University Master Plan Focus Group on Sustainability Committee 2014 – 2015
- Center for Environmental Sciences and Engineering Executive Council 2014 – 2020
- Provost's College of Liberal Arts and Sciences 5-year Dean Review Committee 2014-15
- Natural Resources Conservation Academy Coordinator Search Committee Chair 2014
- College of Agriculture, Health and Natural Resources Education Abroad Development Grant Program Committee 2015
- UConn Reads Steering Committee 2014 – 2015
- Provost's Centers and Institutes Revisioning Committee 2015 – 2016
- Eversource Energy Center Associate Director 2015 – 2020
- UConn Global Affairs Advisory Board 2016 – 2020
- University of Nottingham Education Abroad Committee 2016 – 2020

- Kasowitz Colloquium Committee 2016 – 2020
- UConn Foundation Board Member (University Senate Faculty Representative) 2016 – 2017 Vice President for Enrollment Management Search Committee 2017 – 2018
- UConn Health Board of Directors Academic Affairs Committee 2017 – 2020
- Faculty Conflict of Interest in Research Committee 2017 - 2020
- Behavioral Assessment Oversight Committee 2018 – 2020
- University Compliance Committee 2018 – 2020
- Teaching and Active Learning Space Working Group – initiated and charged 2018 – 2020

University of Maine (2020 – Present) (Not Exhaustive List**)**

- President's Cabinet 2020 – Present
- Deans' Council Chair 2020 – Present
- University of Maine System's Chief Academic Officers Council 2020 - Present
- Provost's Advisory Council on Equity (PACE) 2020 – Present
- HAF UMS TRANSFORMS Student Success and Retention Initiative Lead 2020 – Present

Book Reviewer

Economic Botany

Manuscript Reviewer

American Fern Journal, American Journal of Botany, Applied Vegetation Science, Biological Invasions, Canadian Journal of Botany, Diversity and Distributions, Ecohydrology, Economic Botany, Environmental Management, Forest Ecology and Management, Frontiers in Ecology and the Environment, Functional Ecology, Functional Plant Biology, International Journal of Plant Sciences, Invasive Plant Science and Management, Journal of Environmental Management, Journal of Freshwater Ecology, Natural Areas Journal, Oecologia, Photosynthetica, Plant Ecology, Planta, PLOS ONE, Southeastern Naturalist, Tree Physiology, Weed Research, Wetland Ecology and Management, Wetlands

Publications (Refereed)

Journal Articles

Espinasse, A., C. Lay and J.C. Volin. 1989. Effects of growth regulator concentrations and explant size on shoot organogenesis from callus derived from zygotic embryos of sunflower (*Helianthus annuus* L.). *Plant Cell, Tissue and Organ Culture* 17:171-181.

Espinasse, A., J.C. Volin, C.D. Dybing and C. Lay. 1991. Embryo rescue through *in ovulo* culture in *Helianthus*. *Crop Science* 31:102-108.

Gower, S.T., J.W. Chapman and J.C. Volin. 1991. Stem biomass accumulation rates by four plantation-grown conifers in southwestern Wisconsin. *Northern Journal of Applied Forestry* 8:26-28.

Tjoelker, M.G., J.C. Volin, J. Oleksyn and P.B. Reich. 1993. Light environment alters response to ozone

stress in seedlings of *Acer saccharum* Marsh. and hybrid *Populus* L. I. *In situ* net photosynthesis, dark respiration and growth. *New Phytologist* 124:627-636.

Volin, J.C., M.G. Tjoelker, J. Oleksyn and P.B. Reich. 1993. Light environment alters response to ozone stress in seedlings of *Acer saccharum* Marsh. and hybrid *Populus* L. II. Diagnostic gas exchange and leaf chemistry. *New Phytologist* 124:637-646.

Lindroth, R.L., P.B. Reich, M.G. Tjoelker, J.C. Volin and J. Oleksyn. 1993. Light environment alters response to ozone stress in seedlings of *Acer saccharum* Marsh. and hybrid *Populus* L. III. Consequences for performance of gypsy moth. *New Phytologist* 124:647-651.

Tjoelker, M.G., J.C. Volin, P. B. Reich and J. Oleksyn. 1994. An open-air system for exposing forest- canopy branches to ozone pollution. *Plant, Cell and Environment* 17:211-218.

Tjoelker, M.G., J.C. Volin, J. Oleksyn and P. B. Reich. 1995. Interaction of ozone pollution and light effects on photosynthesis in a forest canopy experiment. *Plant, Cell and Environment* 18:895-905.

Volin, J.C. and P.B. Reich. 1996. The interaction of elevated carbon dioxide and ozone on growth, photosynthesis and respiration of three perennial species grown in low and high nitrogen. *Physiologia Plantarum* 97:674-684.

Lindroth, R.L., S. Roth, E.L. Kruger, J.C. Volin and P. Koss. 1997. CO_2 mediated changes in aspen chemistry: effects on Gypsy moth performance and susceptibility to virus. *Global Change Biology* 3:279-289.

Volin, J.C., P.B. Reich and T.J. Givnish. 1998. Elevated carbon dioxide ameliorates the effects of ozone on photosynthesis and growth: species respond similarly regardless of photosynthetic pathway or plant functional group. *New Phytologist* 138:315-325.

Roth, S., R.L. Lindroth, J.C. Volin and E.L. Kruger. 1998. Enriched atmospheric CO_2 and defoliation: effects on tree chemistry and insect performance. *Global Change Biology* 4:419-430.

Reich, P.B., D.S. Ellsworth, M.B. Walters, J. Vose, J. C. Volin, C. Gresham, and W. Bowman. 1998. Relationship of leaf dark respiration to leaf N, SLA and life-span: a test in six biomes across broad climate gradients. *Oecologia* 114:471-482.

Kruger, E.L., J.C. Volin and R.L. Lindroth. 1998. Influence of atmospheric CO_2 enrichment in the responses of sugar maple and trembling aspen to defoliation. *New Phytologist* 140:85-94.

Volin, J.C., C. Morgenstern, D. Austin, D. Owen, F. Mazzotti and V. Volin. 1999. *Bischofia javanica* resists herbicide treatment in a wetland mitigation project. *Ecological Restoration* 17(3):166-167.

Reich, P.B., D.S. Ellsworth, M.B. Walters, J. Vose, C. Gresham, J. Volin, and W. Bowman. 1999. Generality of leaf trait relationships: a test across six biomes. *Ecology* 80(6):1955-1969.

Volin, J.C., F.S. Denes, R.A. Young and S.M.T. Park. 2000. Modification of seed germination performance through cold plasma chemistry technology. *Crop Science* 40(6):1706-1718.

Erickson, J.E., J.L. Cisar, J.C. Volin and G.H. Snyder. 2001. Comparing nitrogen runoff and leaching between newly established St. Augustinegrass turf and an alternative residential landscape. *Crop Science* 41:1889-1895.

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Cisar, J.L., J.E. Erickson, G.H. Snyder, J.J. Haydu, J.C.Volin. 2004. Documenting nitrogen leaching and runoff losses from urban landscapes. *Environmental Impact of Fertilizer on Soil and Water, American Chemical Society Symposium Series*. 872: 161-179.

Sklar, F.H. P. Balci, E. Cline, M. Cook, B. Cooper, C. Coronado, C. Edelstein, M. Ferree, C. Fitz, M.A. Furedi, B. Garrett, D. Gawlik, B. Gu, S. Hagerthey, M. Kobza, S. Miao, S. Newman, B. Orem, J. Palmer, K. Rutchey, E. Sindhoj, C. Thomas, J. Volin and N. Wang. 2007. The Ecology of the Everglades - Chapter 6. pp. 6.1-6.57. *In:* Redfield, G. (ed.) *The 2007 South Florida Environmental Report.* South Florida Water Management District, West Palm Beach, FL.

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Volin, J.C., J. Parent and L. Dreiss. 2013. Functional basis for geographical variation in growth among invasive species. *In:* Jose, S., Singh, H.P., Batish, D.R. and Kohli, R.K. (eds.) *Invasive Plant Ecology*, CRC Press, Taylor & Francis Group (ISBN13: 9781439881262).

Dreiss, L.M. and J.C. Volin. 2014. Temperate Evergreen and Deciduous Forests. *In:* Wang, Y.Q. (ed.) *Encyclopedia of Natural Resources, 1st Edition.* Taylor & Francis Group DOI: 10.1081/E-ENRL-120047447.

Dreiss, L.M. and J.C. Volin. 2020. Temperate Evergreen and Deciduous Forests. *In:* Wang, Y.Q. (ed.) *Encyclopedia of Natural Resources, 2nd Edition.* Taylor & Francis Group (ISBN: 9780429445651*)*.

Presentations at Meetings (oral and poster presentations available upon request**)**

Invited Presentations

"The growth and physiological response of perennial plants to increased levels of both carbon dioxide and ozone." University of New Hampshire. January 1995.

"How plants will react to changes in an elevated CO_2 atmosphere: Impact of O_3 and defoliation." University of Illinois-Chicago. March 1996.

"Interaction of elevated CO_2 and O_3 on the growth, photosynthesis and respiration of three perennial species grown in low and high nitrogen." South Florida Water Management District. February 1996.

"The impact of elevated ozone and defoliation on the growth and physiology of grasses and trees grown in an elevated CO_2 atmosphere." Fairchild Tropical Garden Research Center. October 1996.

"Elevated CO_2 ameliorates the impact of O_3 pollution on grasses and trees." Florida Atlantic University. October 1996.

"Death of southeastern Florida's largest red maple stand; insects, wind or chemical?" Florida International University. March 1998.

"Consequences of invasive plant removal on red maple trees in a wetland mitigation project." DePaul University. May 1998.

"Modifying seed germination characteristics through plasma chemistry." University of Wisconsin-Madison. April 1999.

"Will atmospheric CO_2 enrichment alter the response of deciduous broadleaf trees to defoliation?" University of Miami. November 1999.

"Plasma treatment of seeds." Microsymposium on plasma chemistry in polymers, 7th Pacific Polymer Conference, Oaxaca, Mexico. December 2001.

"Ecological responses to restoration in the Greater Everglades Ecosystem." University of Maryland, Center for Environmental Science. September 2002.

"The physiological ecology of the invasive non-indigenous Old World climbing fern, *Lygodium microphyllum*." Florida International University. September 2002.

"The Big Cypress Seminole Indian Reservation water Conservation Plan, a Critical Project of the Comprehensive Everglades restoration Plan." National Audubon Corkscrew Swamp Sanctuary. October 2002.

"Ecological responses to restoration in the Greater Everglades Ecosystem." Columbia University. November 2002.

Volin, J.C., J.D. Muss, D. Owen, V.C. Volin, T.J. Givnish and P.H. Glaser. Landscape mapping of ridge and slough topography: Integration of hydrology and biological processes, pp. 561. Joint conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem. *In:* Proc. GEER 2003 Science Conference. April 2003. Palm Harbor, FL.

Volin, J.C., M.S. Lott, J.D. Muss, D. Owen and J.E. Stewart. The life history patterns of the invasive fern, *Lygodium microphyllum*, at the whole-plant, community and landscape scale, pp. 562-563. Joint conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem. *In:* Proc. GEER 2003 Science Conference. April 2003. Palm Harbor, FL.

"Explaining and predicting rapid invasion of the Florida Everglades by Old World climbing fern (*Lygodium microphyllum*)." University of Florida. September 2003.

"Physiological Ecology Research for Restoration in the Florida Everglades." Chancellor College- University of Malawi. June 2004.

"The Florida Everglades, the World's largest restoration: Is the science ready?" Black Hills State University. September 2004.

"Invasive species and Everglades Restoration." University of Queensland, Brisbane, Australia. January 2005.

"Vision of Natural Resource Ecology and Management in the U.S. and Abroad." Iowa State University. May 2005.

"Developing optimal management strategies for invasive species: linking physiological ecology with

operations research." IUFRO World Congress 2005, Brisbane, Australia, August 2005.

"Functional basis for geographical variation in the climbing fern *Lygodium microphyllum.*" ECOFIZZ Conference 2005, Stradbroke Island, Australia, November 2005.

"Can Soil Environment Help Explain *Lygodium microphyllum* invasion? A Cross Continental Comparison." South Florida Water Management District, May 2006.

"Functional basis for geographical variation in growth among invasive species: the importance of comparing native versus non-native habitats." Special Symposium on Biological Invasion in the Tropics, The Annual Meeting of the Association for Tropical Biology and Conservation, July 2006, Kunming, Yunnan, China.

"A Vision for Natural Resources Management and Engineering." University of Connecticut, February 2007.

"The Florida Everglades: will an alien fern strangle its restoration?" Frontiers in Science Lecture Series, Florida Atlantic University, February 2007.

"Changes in Landscape Pattering in the Central Everglades: Importance of Surface Water Flow and Soil Thickness." Everglades National Park, March 2007.

"The Florida Everglades: Will an Alien Fern Strangle its Restoration?" University of Connecticut, Department of Ecology and Evolutionary Biology, October, 2007.

Givnish, T.J. and J.C. Volin. Self-assembly of Patterned Landscapes and Vegetation in the Central Everglades: Importance of Local and Landscape Drivers, pp. 137-138. Greater Everglades Ecosystem Restoration Planning, Policy and Science Meeting Everglades Restoration 2050 – Advancing the Science to Achieve Success. *In:* Proc. GEER 2008 Science Conference, August 2008, Naples, FL.

"Functional Basis for Geographical Variation in Growth Among Invasive Species: a Perspective from Temperate to Tropical Ecosystems." International Conference on Invasive Plants in the Tropics: Ecology, Management and Livelihoods. January 2009, Bangalore, India.

"The Florida Everglades: Will an Alien Fern Strangle its Restoration?" Pennsylvania State University, School of Forest Resources, September, 2009.

"The Florida Everglades: Will an Alien Fern Strangle its Restoration?" University of Vermont, Department of Plant Biology, October, 2009.

"The Florida Everglades: Will an Alien Fern Strangle its Restoration?" University of Wisconsin- Madison, Biology Colloquium, March, 2010.

"Managing the invasive aquatic plant, *Hydrilla verticillata*, in an urban New England watershed," Northeast Aquatic Nuisance Species Panel Meeting, November 2010.

"Aliens vs. Native Species: Who's Winning in the Florida Everglades?" New York Farmers, Union Club, New York City, February 2011.

"Functional Basis for Geographic Variation in Growth among Invasive Species: The Case of *Lygodium microphyllum*," 9th INTECOL International Wetlands Conference, Orlando, Florida, June, 2012.

"Predicting Ecosystem Change in Response to Climate Change: Plant Species and Community Responses," with Arnold van der Valk and Paul Wetzel, Predicting Ecological Changes in the Florida Everglades in a Future Climate Scenario FAU-CES, USGS, Florida Sea Grant Sponsored Workshop, February 2013.

"CIMA-3 Conference – Lead Speaker," Climate Impact Mitigation and Adaptation III Conference, Storrs, CT, March 2014.

Courses Taught

University of Wisconsin-Madison (1995)

FOR 550 - Forest Ecology

Florida Atlantic University (1996 to 2007)

BOT 3223 - Vascular Plants
BOT 3223L - Vascular Plants Laboratory
PCB 4043 - Principles of Ecology
BOT 4503 - Principles of Plant Physiology
BOT 4503L - Principles of Plant Physiology Laboratory
BSC 4930 - Field Trips in Ecology
BSC 6936 - Advanced Topics in Ecology
BSC 6936 - Advanced Field Ecology
PCB 6046 - Advanced Ecology
BSC 6936 - Ecosystems of South Florida
BSC 6936 - Environmental Sciences Seminar
BSC 5931 - Integrating the Environment I
BSC 6936 - Integrating the Environment II
BSC 6936 - Advanced Plant Physiological Ecology
BSC 6936L - Advanced Plant Physiological Ecology Laboratory
BSC 6936 - Invasive Species Ecology
BSC 6936L - Invasive Species Ecology

University of Connecticut (2008 to 2017)

ENVS 2000 - Integrating Humans and the Environment
NRE 4094 - Seminar
NRE 4600 - Current Topics in Environmental and Natural Resources
NRE 5694 - Natural Resources Seminar
NRE 5800 - Graduate Seminar
AGNR 3093 - Sustainable Environmental, Food and Agricultural Systems in the US and Italy (team taught semester abroad course in Florence, Italy)
UNIV 1810 - FYE Learning Community Seminar – Environmental Science

Graduate Students and their thesis research

Graduated 2000

Mike Anderson - M.S. in Environmental Sciences

Hydrologic and topographic gradient effects on woody vegetation of tree islands in the Everglades Wildlife Management Area.

John Erickson - M.S. in Environmental Sciences

Documenting the "Florida Yard" concept for reducing nitrogen runoff and leaching.

Graduated 2001

Dara Cole – M.S. in Environmental Sciences

Can Everglades forested wetlands significantly reduce nutrient concentrations in surface waters?

Michelle DaCosta - M.S. in Environmental Sciences

Butterfly populations in the Florida Big Cypress Swamp: can they be used as bioindicators?

Mike Lott - M.S. in Environmental Sciences

The reproductive biology of *Lygodium microphyllum* and *L. japonicum*, two invasive fern species in Florida.

Steve Simmons – M.S. in Environmental Sciences

The effects of flow on phosphorus uptake by periphyton.

Molly Taylor – M.S. in Environmental Sciences

The invasion of *Sphaeroma terebrans*, a marine isopod, on pond apple (*Annona glabra*) trees in a tidally influenced freshwater forested wetland.

Graduated 2002

Scott Park – M.S. Environmental Sciences

Can rewatering reverse the effects of regional drainage on forest communities of the Big Cypress Swamp?

Joy Stewart – M.S. Biology

The distribution of the non-indigenous invasive old world climbing fern, *Lygodium microphyllum,* in southern Florida: The relationship to abiotic and biotic variables.

Erin Keplinger – M.S. Biology – non-thesis

Graduated 2003

Krissy Dunker – M.S. Environmental Sciences

Non-indigenous fishes in restored and natural wetlands on the Big Cypress Seminole Indian Reservation.

Barbara Hiaasen – M.S. Environmental Sciences

The effects of flow on the taxonomic composition of Everglades periphyton.

Graduated 2004

Alyssa Jacobs – M.S. Environmental Sciences

Forest wetlands response to nutrient enrichment on the Big Cypress Seminole Indian Reservation.

Graduated 2005

Kathy Ryan– M.S. Environmental Sciences

The effects of systemic herbicide used for invasive species management on a native Florida scrub seed bank.

Craig van der Heiden– M.S. Environmental Sciences

Utilization distribution as a predictor in modeling black rhino (*Diceros bicornis*) habitat in Africa's southern rift valley.

Graduated 2006

Matthew Gardner– M.S. Environmental Sciences

The Effect of Hydroperiod on the Growth of the Crayfish Species *Procambarus alleni* and *P. fallax*.

Graduated 2007

Sonia Gandiaga – M.S. Environmental Sciences

Effects of hydrology and applied gibberellic acid and paclobutrazol on the growth of the invasive exotic *Lygodium microphyllum* (Old World climbing fern).

Denise Alter – M.S. Environmental Sciences

Graduated 2008

Pushpa G. Soti – M.S. Environmental Sciences

Does water hyacinth *(Eichornia crassipes)* compensate to defoliation? Implications for effective biocontrol.

Sheryl van der Heiden – M.S. Environmental Sciences

Differentiating decomposition rates within the ridge-slough microtopography of the Central Florida Everglades

Graduated 2009

Leslie Bandy – M.S. Natural Resources

Trophic focusing of nutrients on tree islands in the oligotrophic Florida Everglades.

Graduated 2010

Nicholas Reif – M.S. Natural Resources

Evaluating multiple control methods for the invasive aquatic plant, *Hydrilla verticillata,* in the Silvermine River System of Southwestern Connecticut.

Graduated 2011

Charlotte Rand – M.S. Natural Resources

"Buy Local" consumer behavior and wood products: a case study.

Lindsay Dreiss – M.S. Natural Resources

Differential canopy leaf flushing and site nitrogen status facilitate invasive species establishment in temperate deciduous forest understories.

Graduated 2014

Jason Parent – Ph.D. Natural Resources

Using Leaf-off LiDAR in Modeling Forest Canopy Structure and Assessing the Effect of Spatial Resolution in Landscape Analyses.

Graduated 2016

Frances Champagne – M.S. Natural Resources (co-advised with Thomas Worthley)

Can portable band sawmill operators help address Connecticut's small scale forest

management needs?

Michelle Kosmo – M.S. Natural Resources – non-thesis

Lindsay Dreiss – Ph.D. Natural Resources

The Role of Phenology in Invasive Plant Species Success in Temperate Forest Understories.

Graduated 2017

Amanda Bunce – M.S. Natural Resources

Determinants of Tree Sway Frequency in Temperate Deciduous Forests of the Northeast United States

Graduated 2019

Julia Roger (co-advisee with Robert Fahey) – M.S. Natural Resources

The Influence of Roadside Forest Management on Temperate Deciduous Forest Understories

Danielle Kloster (co-advisee with Anita Morzillo) – Ph.D. Natural Resources

Human Dimensions of Roadside Forest Management to Reduce Utility Infrastructure Vulnerability

Graduated 2021

Nancy Marek – Ph.D. Natural Resources

Mapping Understory Invasive Shrub Species using Drones and Deep Learning Techniques

Postdoctoral Fellows Sponsored

Dr. Mary Ann Furedi (Florida Atlantic University)

Dr. Dianne Owen (Florida Atlantic University)

Dr. Michael Tobin (Florida Atlantic University)

Dr. Laura Cisneros (University of Connecticut)

Dr. Jason Parent (University of Connecticut)

Dr. Chandi Witharana (University of Connecticut)