**Dr. Kendall J. Martin**

Professor, Department of Biology

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**EDUCATION**

* **Hampshire College** (Amherst, MA) - Botany (Integrated). **B.S. 1985**
* **University of Kentucky** (Lexington, KY) - Soil Microbiology. **M.S. 1988**
* **Oregon State University** (Corvallis, OR) - Soil Science (Integrated). **Ph.D. 2001**

**PROFESSIONAL EXPERIENCE**

* **Professor,** Department of Biology, William Paterson University of New Jersey, Wayne, NJ. Sept. 2017 – present**.** (Associate Professor, 2011-2017, Assistant Professor, 2005-2011)
* **Research Associate,** Center for Environmental Diagnostics and Bioremediation, University of West Florida, Pensacola, Florida. Aug. 2002 - Aug. 2005.
* **Senior Scientist; research contractor for the U.S.-Environmental Protection Agency,** National Health and Environmental Effects Research Laboratory, Western Ecology Division, Corvallis, Oregon. Sept. 1994 - Aug. 2002.

**PUBLICATIONS**

**This year:**

Martins SJ\*, Taerum SJ, TriplettL,Emerson JB, Zasada I, de Toledo BF, Kovac J, Martin K, Bull CT. **2022**. Soil bacterivores and other bacterial predators for plant and human health. *Phytobiomes Journal*. [doi:10.1094/PBIOMES-11-21-0073-RVW](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapsjournals.apsnet.org%2Fdoi%2Fpdfplus%2F10.1094%2FPBIOMES-11-21-0073-RVW&data=04%7C01%7Cmartink31%40wpunj.edu%7C39df37b1f2344c73b06b08da10d09684%7C74540637643546cc87a46d38efb78538%7C0%7C0%7C637840785354958248%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C2000&sdata=TjfTF%2F4qna9NnKkFQXkpXdCn6K16DID0iGDxGsI3OYA%3D&reserved=0) [[open access link](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapsjournals.apsnet.org%2Fdoi%2Fpdfplus%2F10.1094%2FPBIOMES-11-21-0073-RVW&data=04%7C01%7Cmartink31%40wpunj.edu%7C39df37b1f2344c73b06b08da10d09684%7C74540637643546cc87a46d38efb78538%7C0%7C0%7C637840785354958248%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C2000&sdata=TjfTF%2F4qna9NnKkFQXkpXdCn6K16DID0iGDxGsI3OYA%3D&reserved=0)]

**Seven most highly cited, peer-reviewed publications:**

<https://scholar.google.com/citations?user=35hlptgAAAAJ> **(1445 Citations, h-index - 13, i10-index – 15)**

699 cites: Martin, Kendall J; Rygiewicz, Paul T. **2005**. Fungal-specific PCR primers developed for analysis of the ITS region of environmental DNA extracts. BMC microbiology, 5(1)

153 cites: Wu, Tiehang; Chellemi, Dan O; Graham, Jim H; Martin, Kendall J; Rosskopf, Erin N. **2008**. Comparison of soil bacterial communities under diverse agricultural land management and crop production practices. Microbial Ecology, 55(2) 293-310.

104 cites: Martin, Kendall; Parsons, Laura L; Murray, Robert E; Smith, M Scott. **1988**. Dynamics of soil denitrifier populations: relationships between enzyme activity, most-probable-number counts, and actual N gas loss. Applied and Environmental Microbiology, 54(11) 2711-2716.

78 cites: Rygiewicz, Paul T; Martin, Kendall J; Tuininga, Amy R. **2000**. Morphotype community structure of ectomycorrhizas on Douglas fir (Pseudotsuga menziesii Mirb. Franco) seedlings grown under elevated atmospheric CO 2 and temperature. Oecologia, 124(2) 299-308.

70 cites: Burke, David J; Martin, Kendall J; Rygiewicz, Paul T; Topa, Mary A. **2005**. Ectomycorrhizal fungi identification in single and pooled root samples: terminal restriction fragment length polymorphism (TRFLP) and morphotyping compared. Soil Biology and Biochemistry, 37(9) 1683-1694.

65 cites: Rosskopf, Erin N.; Serrano-Pérez, Paula; Hong, Jason; Shrestha, Utsala; Rodríguez-Molina, María del Carmen; Martin, Kendall; Kokalis-Burelle, Nancy; Shennan, Carol; Muramoto, Joji; Butler, David. **2015**. Anaerobic Soil Disinfestation and Soilborne Pest Management. In: Organic Amendments and Soil Suppressiveness in Plant Disease Management, pp. 277-305. Springer International Publishing.

57 cites: Wu, Tiehang; Chellemi, Dan O; Martin, Kendall J; Graham, Jim H; Rosskopf, Erin N. **2007**. Discriminating the effects of agricultural land management practices on soil fungal communities. Soil Biology and Biochemistry, 39(5) 1139-1155.

**SYNERGISTIC ACTIVITIES**

1. Submitted Planning Proposal, 3/28/2022, as Co-PI. Project title: “Exploring Grower Interest in Microbial Predation and the Impact on Nutrient and Microbial Turnover in Organic Production.” National Institute of Food and Agriculture. Organic Agriculture Research and Extension Initiative. USDA-NIFA-ICGP-008621
2. Co-editor, The Bulletin of the New Jersey Academy of Science.
3. Senior Personnel, NSF Proposal, Improving Undergraduate STEM Education: Hispanic-Serving Institutions (IUSE HSI). Notification $200,000 project was not funded: 7/26/2021.
4. Managing a partnership with Reckitt Benckiser Group, a multinational consumer goods company, to provide graduate and undergraduate students with internship opportunities in microbiological research. Awarded $10,000 in this industry-sponsored program, available to fund his laboratory beginning Fall 2019. He has mentored undergraduate and undergraduate students in internships and research with Reckitt Benckiser.
5. Prominent advocate of faculty-mentored student research. He uses his administrative positions (College of Science and Health Assessment Coordinator, Senate Executive Committee Member, Co-Chair 2006 Middle States PRR) to influence University policy to better recognize the importance of these High Impact Practices in student engagement and success. In his work as Co-Chair of Standard 3, Middle-States 2020 Report Committee, he helped establish a new tracking system to help characterize the role of Faculty-Mentored Student Research in the education, development and retention of WPU students.
6. Typically mentors five to ten Biology undergraduates concurrently during the academic year. The majority of these students and others joining his lab are supported for summer research by scholarships provided by the Garden State - Louis Stokes Alliance for Minority Participation (GS-LSAMP, and NSF-funded program). His students present their research in a range of venues every year. His well-equipped lab is in a dedicated Science Research Complex.
7. Trained and advised PhD-level researchers from around the world in microbial ecology techniques and analyses. For the last twenty-five years, he has been very active seeking out opportunities to mentor teams of undergraduate and graduate students. He has developed a successful model for peer-mentoring among his students which draws on his experience with developing Standard Operating Procedures for the EPA to provide students with clear and reliable protocols incorporating quality control measures. These provide the foundation for him to mix peer-instruction with in-depth training in relevant techniques as well as theoretical explanations of the processes and objectives involved.
8. Hosted Post-Doctoral research associates Tiehang Wu (2003), and Jason Hong (2012) from Subtropical Plant Pathology Unit, U.S. Horticultural Research Laboratory, USDA-ARS, Fort Pierce, Florida, for training in my Lab. Received supplies and in-kind support.

**TEACHING EXPERIENCE**

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| **Title** | **Dept** | **Course** | **Lecture/Lab** | **Sections** |
| Field Biology | BIO | 1300 | Lecture | 1 |
| Field Biology | BIO | 1300 | Lab | 4 |
| General Biology 1 | BIO | 1630 | Lecture | 3 |
| General Biology 1 | BIO | 1630 | Lab | 6 |
| Basic Microbiology | BIO | 1700 | Lecture | 29 |
| Basic Microbiology | BIO | 1700 | Lab | 34 |
| Microbiology | BIO | 3200 | Lecture | 24 |
| Microbiology | BIO | 3200 | Lab | 22 |
| Biology Capstone Seminar | BIO | 4800 | Lecture | 9 |
| Independent Study | BIO | 4990 | Lecture | 8 |
| Microbial Ecology | BIO | 5130 | Lecture | 3 |
| Microbial Ecology | BIO | 5130 | Lab | 3 |
| Independent Study | BIO | 7000 | Lecture | 2 |
| Graduate Independent Reading | BIO | 7020 | Lecture | 1 |
| Life Science | SCEN | 5030 | Lecture | 2 |