

Wei Fang
Dyson College of Arts and Sciences, Biology Department
Pace University

Contact Information

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Education (Post-secondary degrees)

- | | | |
|------|--------|---|
| 2003 | Ph. D. | Department of Ecology and Evolution, Stony Brook University |
| 1993 | M. S. | School of Life Sciences, Sun Yat-sen University, Guangzhou, P. R. China |
| 1990 | B. S. | School of Life Sciences, Peking University, Beijing, P. R. China |

Academic Appointments

- | | |
|----------|--|
| 2020-now | Assistant Professor, Biology Department, Pace University-NYC |
| 2016-20 | Research Associate, School of Earth and Environmental Sciences, Queens College |
| 2007-11 | Assistant Professor, Biology Department, Long Island University-Post |
| 2003-07 | Assistant Professor, Biology Department, Long Island University-Brooklyn |
| 2003-04 | Research Assistant Professor, SUNY at Stony Brook |
| 1993-95 | Research Associate, South China Institute of Botany, Chinese Academy of Sciences |

Other Professional Experience

- | | |
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| 2021 | Instructor in the workshop of “Development of Key Curriculums for Ecology and Environmental Sciences in Kazakhstan Academic Institutions” funded by American Councils for International Education |
| 2015 | Visiting Scientist, National Ecological Observatory Network (NEON) |

SCHOLARSHIP

Scholarly Contributions & Creative Productions

Peer-reviewed Journal Articles (*: Ph.D. student; **: B.S. student; other 22 papers omitted)

(Google Scholar citation: 2584; h-index: 23; i10 index: 35)

1. Peroš M., L. Vij, E. Anavian, K. Almeida Arteaga, F. I. Haruna, A. Siegman, **W. Fang**, and S. G. Alvarado. 2025. Male bluegill vary in color and behavior relative to their position in a lek. *Frontiers in Ethology*. 3: 1513231. <https://doi.org/10.3389/fetho.2024.1513231>
2. Zhang Q., C. Yi, G. Destouni, Y. Kuzyakov, R. Li, E. Kutter, G. Wohlfahrt, D. Chen, M.

- Rietkerk, S. Manzoni, Z. Tian, G. Hendrey, **W. Fang**, N. Krakauer, G. Hugelius, J. Jarsjo, J. Han, and S. Xu. 2024. Water limitation regulates positive feedback of increased ecosystem respiration. *Nature Ecology & Evolution*. 1-7. 10.1038/s41559-024-02501-w.
3. Li Z.W.*, L.D. Din, B.B. Shen, J.Q. Chen, D.W. Xu, X. Wang, **W. Fang**, A. Pulatov, M. Kussainova, A. Amarjargal, E. Isaev, T. Liu, C.M. Sun and X.P. Xin. 2023. Quantifying key vegetation parameters from Sentinel-3 and MODIS over the eastern Eurasian steppe with a Bayesian geostatistical model. *Science of the Total Environment*. 909: 168594. 10.1016/j.scitotenv.2024.168594.
 4. Shen B.*, J.P. Guo, Z.W. Li, J.Q. Chen, **W. Fang**, M. Kussainova, A. Amarjargal, A. Pulatov, R.R. Yan, O. A. Anenkhonov, W.N. Zhou and X.P. Xin. 2023. Comparative verification of leaf area products for different grassland types in Inner Mongolia, China. *Remote Sensing* 15(19), 4736. 10.3390/rs15194736.
 5. Hou L.*, X. Xin, B. Shen, Q. Qin, A.I.A. Altome, Y. M. Z. Hamed, R. Yan, S. Nurland, N. Adilbek, A. Balzhan, M. Kussainova, A. Amariargal, **W. Fang**, A. Pulatov, W. Zhou, X. Sun. 2023. Effects of long-term grazing on feed intake and digestibility of cattle in meadow steppe. *Agronomy* 13(7), 1760. 10.3390/agronomy13071760
 6. Wang J.*, **W. Fang**, P. Xu, L. Hu, D. H. Chen, Y. Zhang, and C. Rafaniello**. 2023. Satellite evidence for divergent forest responses to warming within close vicinity in East China. *Remote Sensing* 15(11): 2749. 10.3390/rs15112749.
 7. Hou L., X. Xin, H. Sun, Y. Tao, J. Chen, R. Yang, X. Zhang, B. Shen, A. Altome, Y. Zainelabdeen, X. Wang, N. Serekpaev, A. Nogayev, B. Akhyzbekova, M. Kussainova, A. Amartuvshin, **W. Fang**, and A. Pulatov. 2023. Grazing-induced cattle behavior modulate the secondary production in a Eurasian steppe ecosystem. *Science of the Total Environment* 889: 164191. 10.1016/j.scitotenv.2023.164191.
 8. Tian Z., C. Yi, Y. Fu, E. Kutter, N. Krakauer, **W. Fang**, Q. Zhang* and H. Luo. 2023. Fusion of multiple models for improving gross primary production estimation with eddy covariance data based on machine learning. *Journal of Geophysical Research – Biogeosciences*. 128(3): 1-23. 10.1029/2022JG007122.
 9. Xu P., **W. Fang**, T. Zhou, H. Li, X. Zhao, S. Berman**, T. Zhang and C. Yi. 2022. Satellite evidence for forest canopy-height-dependent response to drought in southwestern China. *Environ. Res. Lett.* 17: 025005. 10.1088/1748-9326/ac4a33 (WF is the corresponding author)
 10. **Fang W.**, C. Yi, D. L. Chen, P. Xu, G. Hendrey, N. Krakauer, K. Jensen, S. Gao, Z. Lin, G. Lam**, Q. Zhang and T. Zhou. 2021. Hotter and drier climate made the Mediterranean Europe and northern Africa (MENA) region a shrubbier landscape. *Oecologia*: 1-16. 10.1007/s00442-021-05041-3

11. Gao, S., T. Zhou, C. Yi, P. Shi, **W. Fang**, R. Liu, E. Liang, and J. Camarero. 2020. Asymmetric impacts of dryness and wetness on tree growth and forest coverage. *Agric. For. Meteorol.* 288-289:107980. 10.1016/j.agrformet.2020.107980
12. **Fang W.** and X.Z. Wang. 2020. A field experimental study on the impact of *Acer platanoides*, an urban tree invader, on forest ecosystem processes in North America. *Ecol. Process.* 9:9. 10.1186/s13717-020-0213-5
13. **Fang W.**, Y. Li, R. Mo, H. Rang and W. B. Liu. 2020. Hospital and healthcare insurance system record-based epidemiological study of Myasthenia gravis in Southern and Northern China. *Neurol. Sci.* 10.1007/s10072-019-04146-1
14. Xu, P.* , **W. Fang**, T. Zhou, X. Zhao, H. Luo, G. Hendrey and C. Yi. 2019. Spatial upscaling of tree-ring-based forest response to drought with satellite data. *Remote Sensing* 11(20):2344. 10.3390/rs11202344
15. Gao, S.*, R. S. Liu, T. Zhou, **W. Fang**, C. Yi, R. J. Lu, X. Zhao and H. Luo. 2018. Dynamic responses of tree-ring growth to multiple dimensions of drought. *Global Change Biol.* 24(11): 5380-5390. 10.1111/gcb.14367
16. Xu, P.* , T. Zhou, C. Yi, **W. Fang**, G. Hendrey and X. Zhao, 2018. Forest drought resistance distinguished by canopy height. *Environ. Res. Lett.* 13(7): 075003. 10.1088/1748-9326/aacadd
17. Xu, P.* , T. Zhou, C. Yi, H. Luo, X. Zhao, **W. Fang**, S. Gao and X. Liu. 2018. Impacts of water stress on forest recovery and its interaction with canopy height. *Int. J. Environ. Res. Public Health* 15(6): 1257. 10.3390/ijerph15061257
18. Yi, C., G. Mu, G. Hendrey, S. M. Vicente-Serrano, **W. Fang**, T. Zhou, S. Gao and P. Xu. 2018. Bifurcated response of a regional forest to drought. *Expert Opin. Environ. Biol.* 7:2. 10.4172/2325-9655.1000153
19. Wei, S.* , C. Yi, **W. Fang** and G. Hendrey. 2017. A global study of GPP focusing on light use efficiency in a random forest regression model. *Ecosphere* 8(5): e01724. 10.1002/ecs2.1724
20. Wang, H.* , Z. Su, C. M. Luo, Y. Li, H. Feng, **W. Fang**, C. Du, J. Deng, F. Yu and W. B. Liu. 2013. The effect of steroid treatment and thymectomy on bone age and height development in juvenile Myasthenia gravis. *Neurol. Sci.* 34(12): 2173-2180. 10.1007/s10072-013-1443-4
21. Feng, H. Y., W. B. Liu, C. M. Luo, L. X. Yang, W. Fang, L. Qiu, X. Huang, Y. Li and R. X. Huang. 2012. A retrospective review of 15 patients with familial Myasthenia gravis over a period of 25 years. *Neurol. Sci.* 33(4): 771-777. 10.1007/s10072-011-0818-7
22. **Fang, W.** and X. Z. Wang. 2011. Impact of invasion of *Acer platanoides* on canopy structure and understory seedling growth in a hardwood forest in North America. *Trees* 25(3): 455-464. 10.1007/s00468-010-0520-z
23. Chen, F. H.* , **W. Fang**, Z. Y. Yang and J. G. Yuan. 2009. Cadmium and copper uptake and accumulation by *Sesbania rostrata* seedling, an N-fixing annual plant: implications for the

- mechanism of heavy metal tolerance. *Front. Biol. China* 4(2): 200-206.10.1007/s11515-009-0008-7
24. Adams, J. M., **W. Fang**, R. M. Callaway, D. Cipollini, E. Newell and TRAIN. 2009. A cross-continental test of the Enemy Release Hypothesis: leaf herbivory on *Acer platanoides* (L.) is three times lower in North America than in its native Europe. *Biol. Invasions* 11: 2005-2016. 10.1007/s10530-008-9312-4 (Both JA and WF are first author)
 25. Wang, J. L.*, **W. Fang**, Z. Y. Yang, J. G. Yuan, Y. Zhu and H. Yu. 2007. Inter- and intraspecific variations of Cd accumulation of 13 leafy vegetable species in a greenhouse experiment. *J. Agricult. Food Chem.* 55(22): 9118-9123. 10.1021/jf0716432
 26. Zhu, Y., H.* Yu, J. L. Wang, **W. Fang**, J. G. Yuan and Z. Y. Yang. 2007. Heavy metal accumulations of 24 Asparagus bean cultivars grown in soil contaminated with Cd alone and with multiple metals (Cd, Pb and Zn). *J. Agricult. Food Chem.* 55(3): 1045-1052. 10.1021/jf062971p
 27. Yu, H.*, J. L. Wang, **W. Fang**, J. G. Yuan and Z. Y. Yang. 2006. Cadmium accumulation in different rice cultivars and screening for pollution-safe cultivars of rice. *Sci. Total Environ.* 370 (2-3): 302-309. 10.1016/j.scitotenv.2006.06.013
 28. Yuan, J. G.*, **W. Fang**, L. Fan, Y. Chen, D. Q. Wang and Z. Y. Yang. 2006. Soil formation and vegetation establishment on the cliff face of abandoned quarries in the early stages of natural colonization. *Restor. Ecol.* 14(3): 349-356. 10.1111/j.1526-100x.2006.00143.x
 29. **Fang, W.**, D. R. Taub, G. A. Fox, R. M. Landis, S. Natali and J. Gurevitch. 2006. Sources of variation in growth, form and survival in dwarf and normal-stature pitch pine *Pinus rigida* (Pinaceae) in long-term transplant experiments. *Am. J. Bot.* 93(8): 1125-1133. 10.3732/ajb.93.8.1125 (Both WF and DT are first author)
 30. Zheng, Z. W.*, **W. Fang**, H. Y. Lee and Z. Y. Yang. 2005. Responses of to cadmium stress. *FEMS Microbiol. Ecol.* 54(3): 455-61. 10.1016/j.femsec.2005.05.006
 31. **Fang, W.** 2005. Spatial analysis of an invasion front of *Acer platanoides*: Dynamic inferences from static data. *Ecography* 28(3): 283-294. 10.1111/j.0906-7590.2005.04052.x
 32. Landis, R. M., J. Gurevitch, G. A. Fox, **W. Fang** and D. R. Taub. 2005. Variation in recruitment and early demography in *Pinus rigida* following crown fire in the pine barrens of Long Island, NY. *J. Ecol.* 93(2): 607-617. 10.1111/j.1365-2745.2005.00996.x
 33. Hyatt, L. A., M. S. Rosenberg, T. G. Howard, G. Bole, **W. Fang**, J. Anastasia, K. Brown, R. Grella, K. Hinman, J. P. Kurdziel and J. Gurevitch. 2003. The distance dependence prediction of the Janzen-Connell hypothesis: a meta-analysis. *Oikos* 103(3): 590-602. 10.1034/j.1600-0706.2003.12235.x
 34. **Fang, W.** and S. L. Peng. 1997. Development of species diversity in the restoration process of establishing a tropical man-made forest ecosystem in China. *Forest Ecol. Manag.* 99(1, 2): 185-196. 10.1016/s0378-1127(97)00204-1

Published Book Chapters

1. Yang, S. Y., Q. F. Guo, **W. Fang**, J. S. He, Z. Wang and Q. Y. Li. 2014. Ch. 1 Measurement of biodiversity, in J. Q. Chen and S. Y. Yang (eds), *Ecological Methods for Terrestrial Ecosystems*. Higher Education Press, Beijing. 1-40.
2. Yang, Z. Y., G. R. Xin, J. G. Yuan, **W. Fang** and G. X. Li. 2008. Chapter 1. Ecological fertilization: An example for paddy rice performed as a crop rotation system in southern China. In L. R. Elsworth and W. O. Paley (eds.), *Fertilizers: Properties, Applications and Effects*. NOVA Publishers. 1-28.
3. **Fang, W.** 2002. Meta-analysis in ecology and evolutionary biology. In J.G. Wu and X.G. Han (eds), *Lectures in Modern Ecology (II): From Basic Science to Environmental Issues*. Chinese Science and Technology Press. Beijing. 83-94.
4. **Fang, W.** 2000. Chapter 3—Biological invasion and global change. In J.Y. Fang (ed.), *Global Ecology: Climate Change and Ecological Responses*. Chinese Higher Education Publisher & Springer. Beijing. 43-70.
5. Peng, S.L. and **W. Fang**. 1995. Changes of shrub species of Dinghushan forest community in the successional process. *Advances in Biodiversity Research*. Chinese Science and Technology Press. Beijing. 335-344.
6. **Fang W.**, M. G. Li, B. S. Wang and H. T. Chung. 1994. Leaf litter quantity dynamics of dominant species in Heishiding forest of Guangdong. *Advances and Present Situations in Plant Population Ecology*. Heilongjiang Science and Technique Press. 202-208.
7. **Fang, W.**, M. G. Li, B. S. Wang and H. T. Chung. 1993. An estimation of soil microbial respiration capacity, carbon metabolism and energy transference in the forest of Guangdong Heishiding. *Energy Ecology —Theory, Method and Practice*. Jilin Science Technology Press. 204-208.

Other Publications or Products (other 27 conference abstracts / publications omitted)

1. **Fang W.**, P. P. Xu. 2025. High water demand limits carbon sink and transpiration in tall forests during extreme drought. Abstracts for 110th Annual Meeting of Ecological Society of America, Baltimore, MD. (poster)
2. **Fang W.**, J.Q. Chen, C.X. Yi, V. Kolluru*, S. Saraf*, Z. Qin, Z.K. Tian, R. John, M. Shelan. 2024. Land Cover and Ecosystem Productivity of Peri-Urban Landscapes in Central Asia. Abstracts for 2024 Fall Meeting of American Geophysical Union, Washington, DC. (poster)
3. Chen J.Q., R. John, P.L. Fan, L. Tian, V. Kolluru*, **W. Fang**, Z. T. Yang. Cities along the Core Silk Roads: An Overview through the Lens of Urban-Rural Continuum (URC). Abstracts for 2024 Fall Meeting of American Geophysical Union, Washington, DC. (poster)

4. Chen J.Q., J. Ranjeet, L. Tian, **W. Fang**, V. Kolluru*, S. Saraf*, Y. Khajavigodellou, Z. Ouyang, M. E. Meurs, B. Şat, S. MohammadiHamidi, J.G. Qi, and P. Groisman. 2023. Socioeconomic-Environmental Systems along the Silk Roads across Asian Drylands Belt. Abstracts for 2023 Fall Meeting of American Geophysical Union, San Francisco, CA. (oral)
5. **Fang W.**, S. Saraf*, V. Kolluru*, M. Uebelacker**, R. John, J.Q. Chen, R. Kulmatov, A. Pulatov, M. Kussainova, K. Kelgenbaeva and S. Mambetova. 2023. Multi-decadal assessment of land cover shifts under climate change and urbanization in Central Asia. **Abstracts** for 108th Annual Meeting of Ecological Society of America, Portland, OR. (oral)
6. **Fang W.**, S. Saraf*, V. Kolluru*, M. Uebelacker**, R. John and J.Q. Chen. 2023. Land cover changes and ecosystem productivity under the changing climate in Central Asia. NASA CCE (Carbon Cycle & Ecosystems) Joint Science Workshop. College Park, MD. (poster)
7. Rafaniello C.** and **W. Fang**. 2022. Spatio-temporal dynamics of floating invader *Trapa natans* and submersed native vegetation in the Hudson River over the past 25 years. Abstracts for 2022 Fall Meeting of American Geophysical Union, Chicago. (poster)
8. Tian Z.K, C. Yi, Y.Y. Fu, E. Kutter, G. Hendrey, N. Krakauer, J. Singer, Q. Zhang, H. Luo and **W. Fang**. 2022. The impacts of climate change on terrestrial ecosystem carbon stocks in China. Abstracts for 102nd American Meteorological Society annual meeting, Huston, TX. (Poster)
9. **Fang, W.**, J. Chen, P. Cole and W. Qiu. 2020. Plants and People in New York City. **Abstracts** for 105th Annual Meeting of ESA, Virtual. (oral presentation)
10. **Fang, W.**, P. Xu, T. Zhou, G. Hendrey, N. Krakauer, L. Barrie, and C. Yi. 2018. Satellite evidence of vegetation resilience to drought in Mediterranean varies across biomes. Abstracts for 2018 Annual Meeting of American Geophysical Union, Washington DC. (poster)
11. Yi, C., P. Xu, **W. Fang**, T. Zhou, and G. Hendrey. 2018. What climate drivers control US vegetation wildfire resilience, temperature or precipitation? Abstracts for 2018 Annual Meeting of American Geophysical Union, Washington DC. (poster)
12. **Fang, W.**, K. Jensen, C. X. Yi and G. Hendrey. 2018. Vegetation LAI response to climate stress in the Mediterranean region. 2018 NASA LCLUC spring science team meeting, Gaithersburg, MD (poster).
13. **Fang, W.**, L. Yan, R. Mo, L. Qiu, C. Y. Ou, Z. D. Huang, Z. Q. Lin, W. Z. Wang, L. H. Wang, J. J. Wang and W. B. Liu. 2017. An epidemiology study of Myasthenia Gravis in China. Abstracts for the 13th International Conference on Myasthenia gravis and related disorders. New York, NY. (poster)
14. **Fang, W.**, S. Wei, C. Yi, and G. Hendrey. 2016. A global study of light use efficiency with a random forest regression model. Abstracts for 2016 Annual Meeting of American Geophysical Union, San Francisco, CA. (poster)

Grants (Completed)

Title: URoL: Epigenetics 1: Characterization and dissection of DNA methylation and animal color changes in an African cichlid, Co-PI

Funding Agency/Sponsor: National Science Foundation (ID: 1921773)

Award Date: 08-01-19 – 07-31-23| Total Funding: \$499,995

Title: Modernizing Curriculum towards the Goals of UN SDGs for Central Asian Universities: Climate Action and Sustainability Development, PI

Funding Agency/Sponsor: US Embassy in Tashkent, Uzbekistan and American Councils for International Education (Federal Award Number: SUZ80021CA3148)

Award Date: 01-01-22 – 09-30-22| Total Funding: \$23,998

Title: Advancing Key Curriculums of Ecology and Environmental Sciences for Regional Universities in Kazakhstan & Beyond, Co-PI

Funding Agency/Sponsor: US Embassy in Kazakhstan and American Councils for International Education (ID: UGWR2466)

Award Date: 01-01-22 – 09-30-22| Total Funding: \$38,000

Title: Investigating the distribution and drivers of invasive *Trapa natans* in the Hudson River Estuary with a multi-scaled approach, advisor

Funding Agency/Sponsor: Hudson River Foundation Tibor T. Polgar Fellowship

Award Date: 06-01-22 – 11-30-22| Total Funding: \$5,500 + \$1,500 + \$1,000

Title: Identification of biomarkers for MG clinical subtype classification and development of treatments through precision medicine, Co-PI

Funding Agency/Sponsor: National Science Foundation of China (ID: 81620108010)

Award Date: 01-01-17 – 12-31-21| Applied Date: 03/13/2016 | Total Funding: \$342,500

Invited Talks and Presentations

2024 NASA CARIN (Central Asia Regional Research Network) webinar. Multi-decadal assessment of land cover and productivity shifts under climate change and urbanization in Central Asia.

2020 CUNY Queens College-Department of Biology. Urban Ecology and Sustainability.

2018 CUNY Queens College-School of Earth and Environmental Sciences. To live or to die: when trees face drought. (Flushing, NY)

Media Appearances

2022 Water chestnut research was included in

- [Pace's Office of Research newsletter in August](#)
- [Pace Environmental Studies and Science department's blog](#)

2022 American Council Workshops in Central Asia

Social Media for the Bishkek workshop

- https://www.auca.kg/ru/workshop_committe/
- https://www.auca.kg/en/auca_news/5151/
- https://www.auca.kg/ru/workshop_gallery/

Social Media for the Kyzylorda workshop:

- <https://www.facebook.com/297927767011323/posts/pfbid07py39H3jJXskyMMoazkH6LsdgLAmdAZYQvqSCNMbMARvj4pjAgPD6VUyXK9JKB3ZI/?d=n>
- https://www.facebook.com/watch/?v=526793082521817&extid=NS-UNK-UNK-UNK-IOUS_GK0T-GK1C&ref=sharing
- <https://www.youtube.com/watch?v=FKIIVMAAdCS4>

TEACHING (Pre-Pace experience omitted)

Courses Developed and Taught

BIO 210 - Ecology

ENS 326 – Geographic Information Systems

MAT 141 – Introductory Statistics for the Life Sciences

BIO 102 – General Biology Lab

Students Mentored and/or Student Collaborators

Graduate Students (5 students, 4 peer-reviewed publications, 2 more in preparation)

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| 06/21-now | Matt Peroš, Ph.D. student, CUNY-Queens College, Dr. S. Alvarado lab |
| 12/23-06/24 | Lesilie Jarrett, M.S. student, CUNY-Queens Colelge, Dr. G. O'Mullan lab |
| 11/22-02/23 | Jing Wang, M.S. student, Anhui Normal University, Dr. P. Xu Lab |
| 09/22-06/23 | Lulu Hou, Ph.D. student, Chinese Academy of Agricultural Sciences (CAAS) |
| 09/22-09/23 | Beibei Shen, Ph.D. student, CAAS, Dr. X. Xin Lab (same above) |

Undergraduate Students (21 students, 5 peer-reviewed publications)

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| 03/24-06/24 | Prachee Sarkar, CUNY City College intern at Dr. S. Alvarado's lab of QC |
| 03/24-06/24 | Abrar Habib, CUNY City College intern at Dr. S. Alvarado's lab of QC |
| 11/23-03/24 | Daniel Martin Rivera, Spring 2023 BIO395 |
| 09-12/2023 | Krystal Hsu, Fall 2023 BIO491, Best BIO491 poster award on 12/08/2023 |
| 04-12/2023 | Mark Shelan, Summer 2023 Dyson Research Award, Fall 2023 BIO395, 3 rd |

03-08/2023	Place Poster Award at the 2024 Society of Fellows (SOF) Annual Conference Anna Nahata, Summer 2023 Provost Research Award, 1 st Place Poster Award at the 2024 SOF Annual Conference, Dyson Fellow inducted in 2024
04-08/2023	Katherine Vazquez, Summer 2023 Research on the Silk Road Project
01-05/2023	Nathali Rosalia Then, Spring 2023 BIO395, Presented at the 2023 Eastern Colleges Science Conference, now a Master student of Ichan School of Medicine at Mount Sinai, Biomedical Clinical Research program since F23.
10/22-05/23	Maxine Uebelacker, Spring 2023 BIO480, Presented at the 2023 Eastern Colleges Science Conference
03-12/2022	Anna Mewkill, Fall 2022 BIO480; Applying for grad schools.
01-12/2022	Gabrielle Robb, Summer 2022 HRF Polgar Fellowship; Thesis published at peer-reviewed <i>Polgar Fellowship Report</i> ; Applying for grad schools.
01-12/2022	Chris Rafaniello, Summer 2022 Dyson Research Award; Presented at the 2022 American Geophysical Union Conference; Invited Plenary Speaker at the 2023 SOF Annual Conference; Thesis published at the <i>Transactions of the Society of Fellows of Dyson College</i> ; Dyson Fellow inducted in 2023; Co-author of Wang et al 2023, <i>Remote Sensing</i> paper.
05/21-05/22	Purnima Chopra, Fall 2021-Spring 2022 Work-Study Research Assistant Grant; 2021 Provost Summer Research Award recipient.
01-05/2022	Khaela Gardner, Spring 2022 BIO 491, Best BIO491 poster award on 5/4/2022; Currently a Master student at Icahn School of Medicine at Mount Sinai, Public Health with a concentration in Health Promotion and Disease Prevention since Fall 2022.
01-05/2022	Patricia Madyesh Folmar, Spring 2022 BIO 395
05-12/2021	Spencer Berman, Fall 2021 BIO 480, Co-author of Xu et al, 2022, <i>Environmental Research Letter</i> paper.
03-04/2021	Lara Ellentuck, 2021 Polgar Fellowship applicant, Hudson River Foundation
03-10/2021	Sydney Hildreth, 2021 Summer Dyson Research Award Applicant, Fall 2021 BIO395 (Dropped by the end of 10/2021)
01-05/2021	Gabriella Vigodner, Spring 2021 BIO 395 for spring 2021
08/20-12/21	Gabriella Lam, Fall 2020 BIO 292, Spring 2021 Work-Study Research Assistant Grant, Fall 2021 BIO 491, Co-author of Fang et al, 2021, <i>Oecologia</i> paper

Course Evaluations [Display the information below for all courses taught the last 5 years:]

Semester	Year	Course ID	Course Mean	Instruct or Mean	Instructional Materials Mean	Responded /Enrolled
Spring	2024	BIO102-21247	4.72	4.61	4.64	12/12
Spring	2024	ENS326-22066	3.83	3.27	3.59	7/10
Spring	2024	MAT141-20742	4.67	4.54	4.57	15/30
Fall	2023	BIO210-72363	4.12	4.11	4.38	16/18
Fall	2023	BIO210-71542	3.44	3.44	3.47	11/14
Fall	2023	BIO210-71541	3.72	3.8	4.04	27/32
Spring	2023	MAT141-20800	3.95	3.75	3.92	20/31
Spring	2023	ENS326-22407	2.75	2.7	3.08	4/14
Spring	2023	BIO395-21771	5	5	5	2/2
Fall	2022	BIO210-72763	4.2	4.29	4.52	7/15
Fall	2022	BIO210-71708	3.93	3.91	3.93	9/19
Fall	2022	BIO210-71707	4.2	4.14	4.13	18/34
Spring	2022	MAT141-25398	4.2	3.9	4.15	22/30
Spring	2022	ENS326-27810	4.18	4.02	3.59	7/11
Spring	2022	BIO102-24384	3.37	3.35	3.82	13/17
Fall	2021	BIO210_77190	4.26	4.2	4.36	15/20
Fall	2021	BIO210-75566	4.55	4.5	4.63	17/20
Fall	2021	BIO210-75565	4.45	4.56	4.55	33/40
Spring	2021	MAT141-21018	3.74	3.69	3.94	22/30
Spring	2021	BIO102-23223	4.04	4.02	4.21	9/11
Spring	2021	BIO102-21765	4.2	3.67	4.25	8/11
Fall	2020	BIO210-74183	4.23	4.15	4.38	8/17
Fall	2020	BIO210-72216	3.85	3.79	3.8	13/18
Fall	2020	BIO210-72215	3.91	3.99	4.32	22/35
Overall	Weighted Mean = 4.09		4.08	4.01	4.18	68.64%

SERVICE, LEADERSHIP AND PROFESSIONAL DEVELOPMENT (Pace experience only)

Internal Service or Leadership

University Level (NA)

3/23-now Co-developing a Pace-wide Data Science Badge

10/23-now Co-developed the “Wilderness, Rest and Resistance” project and got funded

5/2023 Panelist, Institute on Teaching and Learning and Student Success Summit

4/2022 Presenter, Future of Pace Conference

4/2021 Presenter and Panelist (Climate and Communities), Future of Work Conference,

School Level (NA)

- 03/2023, 03/2024, 03/2025 Judge, Dyson Society of Fellow annual meeting, NYC
- 05-10/23 Organizer of the Dyson Society of Fellow Weekend seminar, Litchfield, CT
- 10/2023 Pace Bound Events, Dyson College of Liberal Arts and Sciences
- 9/22-5/23 Faculty Search Committee member, Environmental Studies and Science - NYC
- 01-05/23 Mentoring prospective faculty through a structured shadowing program
- 03-12/21 Elected member of Overhead Efficiencies Team of Strategic Planning, New York Faculty Council (NYFC), Pace University
- 4/2021 Pace Bound Events, Dyson College of Liberal Arts and Sciences

Department Level

- 9/2022-now Mentor of untenured faculty—Jean Molina
- 9/2021-now Organizer of Strategic Planning “Faculty Show & Tell” series
- 9/2021-now Co-organizer of Strategic Planning “Faculty Research Integrated into CURE”
- 10/29/2021 Invited and hosted outside speaker Joh Bowermaster for BIO 210 and Bio Dept.
- 4/5/2021 Invited and hosted Biology Department seminar, presented by Jiquan Chen, MSU
- 09/2020-now member, Biology Department Student Success Committee

External Service or Leadership**International/National**

- 2025 NSF GRFP (Graduate Research Fellowship Program) reviewer
- 2024 OSPA (Outstanding Student Presentation Awards) reviewer at AGU (American Geographic Union) 2024 annual meeting, Washington DC
- 2024 NSF Proposal Reviewer, CIVIC Panel, Ecosystem Sciences BIO/DEB Division, 6/17-6/18, 2024
- 2020-now Journal reviewer for *Journal of Environmental Management, Regional Environmental Change, Scientific Reports, Communications Biology, Ecological Processes, Forest Ecology and Management, Environmental Research Letters, Forests*
- 2021-now Advisor, NEON (National Ecological Observatory Network, NSF funded) Ecological Forecasting Technical Working Group (EF TWG)
- 2022 Organizer and instructor, UniCEN Kyrgyzstan Workshop -- Modernizing Curriculum towards the Goals of UN SDGs for Central Asian Universities: Climate Action and Sustainability Development, Bishkek, Kyrgyzstan.
- 2022 Organizer and instructor, UniCEN Kazakhstan Workshop -- Advancing Key Curriculums of Ecology and Environmental Sciences for Regional Universities in Kazakhstan & Beyond, Kyzylorda, Kazakhstan

- 2021 Instructor, UniCEN Kazakhstan Workshop – Key Curriculums in Ecology and Environmental Sciences in Kazakhstan and Central Asia Academic Institutions. Virtual.
- 2020-now Advisor, Alliance of Youth Leaders in the US (AYLUS)-Syosset Branch
- 2017-now Board member and treasurer, Tai Chi Qigong Association of America

Regional/State/Local

- 2025 Judge, Westchester Science & Engineering Fair
- 2016-2020 Board member and treasurer, Long Island School of Chinese
- 2014-2025 Debate coach, Long Island School of Chinese
- 2019-2020 Judge, Speech Tournaments of Long Island Forensic Association

Memberships

- 2016-now American Geological Union
- 1996-now Ecological Society of America
- 1996-now Sino-Ecologists Association Overseas
- 1998-now Long Island Botanical Society (lifetime member)

Awards and Nominations

- | Month Year | Organization, Title of Award |
|------------|--|
| 10/22/2024 | Yes I Make it Happen Recognition, Pace University |
| 04/16/2024 | Faculty Fellow inducted, Dyson Society of Fellow, Pace University |
| 12/03/2023 | Kenan Faculty Development Award, Pace University |
| 05/25/2023 | Yes I Make it Happen Recognition, Pace University |
| 1996-2001 | Ten various awards from Association of Women in Sciences Educational Foundation, SUNY at Stony Brook, International Society of Arboriculture, Brookhaven National Lab, Sigma Xi, Ecological Society of America, and Nassau County Executive, NY. |