Published Papers

Zhang, Q., Kingsley, K. L., & White, J. F. (2022). Endophytic Pseudomonas sp. from Agave palmeri Participate in the Rhizophagy Cycle and Act as Biostimulants in Crop Plants. *Biology*, *11*(12), 1790.

Micci, A., **Zhang, Q.**, … & White, J.F. (2022). Histochemical Evidence for Nitrogen-Transfer Endosymbiosis in Non-Photosynthetic Cells of Leaves and Inflorescence Bracts of Angiosperms. Biology, 11(6), 876.

Zhang, Q., & White, J. F. (2021). Bioprospecting Desert Plants for Endophytic and Biostimulant Microbes: A Strategy for Enhancing Agricultural Production in a Hotter, Drier Future. *Biology*, *10*(10). https://doi.org/10.3390/biology10100961

White, J. F., Chang, X., Kingsley, K. L., **Zhang, Q.**, Chiaranunt, P., Micci, A., ... & Kowalski, K. P. (2021). Endophytic bacteria in grass crop growth promotion and biostimulation. *Grass Research*, 1(1), 1-9.

Chen, Q., Meyer W.A., **Zhang Q.**, and White, J.F. (2020). 16S rRNA metagenomic analysis of the bacterial community associated with turf grass seeds from low moisture and high moisture climates. *PeerJ*, *8*, e8417.

White, J. F., Kingsley, K. L., **Zhang, Q.**, Verma, R., Obi, N., Dvinskikh, S., ... & Kowalski, K. P. (2019). Endophytic microbes and their potential applications in crop management. *Pest management science*, *75*(10), 2558-2565.

Abstracts, Presentations, and Posters

Zhang Q., Kingsley, K.L., and White J.F. (2022). *Demonstrating Endophyte Participation in the Rhizophagy Cycle Using Confocal Microscopy.* Poster session presented virtually on May 5, 2022 at the 2022 Rutgers Microbiology Symposium.

Zhang Q., Kingsley, K.L., and White J.F. (2021). *Effects of endophytic Pseudomonas spp. from Agave on crop growth and pathogen resistance.* Poster session presented virtually on May 10-11, 2020 at the 3rd International Conference on Plant Science and Research - 2021.

Zhang Q., Kingsley, K.L., and White J.F. (2020). *Fluorescent endophytic Pseudomonas spp. isolated from Agave palmeri promote root growth, root branching, and fungal pathogen resistance in crop plants.* Poster session to be presented virtually on August 3-6, 2020 at the

2020 Ecological Society of America Annual Meeting.

Zhang Q., Kingsley, K.L., and White J.F. (2020). *Antifungal and Seedling Growth Enhancing Capabilities of Endophytic Pseudomonas Strains Isolated From Agave palmeri*. Poster session presented on February 6, 2020 at the 2020 Microbiology at Rutgers Symposium held at the Douglas Student Center in New Brunswick, NJ.

Zhang Q., Kingsley, K.L., and White J.F. (2020). *Antifungal and Seedling Growth Enhancing Capabilities of Endophytic Pseudomonas Strains Isolated From Agave palmeri*. Poster session presented on January 24, 2020 at the Rutgers Plant Science Symposium held at the Institute for Food, Nutrition, and Health in New Brunswick, NJ.

White J.F., Verma R., Kingsley K., **Zhang Q.**, Obi N., Kowalski, K.P. (2019). Increasing atmospheric CO2 levels may reduce extraction of nutrients from soil microbes in plant roots. Ecological Society of American Annual Meeting Abstracts, presented on August 13, 2019, at the Ecological Society of America and United States Society for Ecological Economics Annual Meeting, Louisville, TN.

Zhang Q., Chen Q., and White J.F. (2018). Enhancing Field Performance in Cool-Season Turfgrasses Using Endophytes. Poster session presented on May 5, 2018 at the Annual Molecular Biology and Biochemistry Undergraduate Poster Day held at Busch Campus Center in Piscataway, NJ.