Megan Philpott

Center for Conservation and Research of Endangered Wildlife | Cincinnati Zoo & Botanical Garden | 3400 Vine St. | Cincinnati, OH | 45220

ORCiD: https://orcid.org/0000-0002-8886-8802

Education and Training

May 2013 – Aug. 2018	University of Cincinnati | Cincinnati, Ohio Ph.D., Biological Sciences Thesis: "The genetic consequences of ex situ conservation of exceptional plant species"
Sept. 2006 – Sept. 2011	University of Cincinnati | Cincinnati, Ohio B.S., Biological Sciences

Research Experience

Sept. 2022 – Present	Conservation Scientist Cincinnati Zoo & Botanical Garden Center for Conservation and Research of Endangered Wildlife (CREW) | Cincinnati, Ohio
June 2018 – Sept. 2022	Postdoctoral Researcher Cincinnati Zoo & Botanical Garden Center for Conservation and Research of Endangered Wildlife (CREW) | Cincinnati, Ohio

Selected Publications

March 2023	Maynard, L., Cadena, B., Thompson, T., Pence, V., **Philpott, M.,** O'Neil, M., Pritchard, M., Glenn, J., Reilly, B., Hubrich, J., and Jenike, D. Local plant and insect conservation evaluated with organizational identity theory. Journal of Zoological and Botanical Gardens. 2023. DOI: 10.3390/jzbg4010019.
Oct. 2022	**Philpott, M.**, Pence, V.C., Bassüner, B., Clayton, A.S., Coffey, E.E.D., Downing, J.L., Edwards, C.E., Folgado, R., Ligon, J.J., Powell, C., Ree, J.F., Seglias, A.E., Sugii, N., Zale, P.J., Zeldin, J. Harnessing the power of botanical gardens: Evaluating costs and resources needed for exceptional plant conservation. Applications in Plant Sciences. 2022. DOI: 10.1002/aps3.11495.

Oct. 2022	**Philpott, M.**, Pence, V.C., Coffey, E.E.D. Building capacity in the conservation of exceptional plant species. Applications in Plant Sciences. 2022. DOI: 10.1002/aps3.11498.
October 2020	Pence, V.C., Ballesteros, D., Walters, C., Reed, B.M., **Philpott, M.**, Dixon, K.W., Pritchard, H.W., Culley, T.M., Vanhove, A.C. Cryobiotechnologies: Tools for expanding long-term ex situ conservation to all plant species. Biological Conservation. 2020. DOI: 10.1016/j.biocon.2020.108736.
September 2019	Stokes, R.L., **Philpott, M.**, and Culley, T.M. Clonality and Genetic Diversity in the Eastern North American Spring Ephemeral, *Erythronium americanum* Ker-Gawl. (American Trout Lily). Journal of the Torrey Botanical Society. 2019. DOI: 10.3159/TORREY-D-17-00045.1.

Selected Grants Awarded

July 2023	Botanic Gardens Conservation International & US Forest Service Rare Plant Partnership, $8,307.00 Project: "Evaluation of the genetic diversity of a micropropagated outplanting of the rare plant *Minuartia cumberlandensis* in Daniel Boone National Forest"

Selected Conference Talks & Invited Talks

June 2023	IV International Symposium on Plant Cryopreservation | Oslo, Norway **Philpott, M.** and Pence, V.C. "Cryopreservation of the endangered Hawaiian fern *Asplenium peruvianum* var. *insulare* using green globular bodies" Pence, V.C., and **Philpott, M.** "Adventitious bud clusters can increase tissue cryopreservation efficiency: A case study of gesneriads"
March 2023	Sustainable Urban Landscapes Symposium | Cincinnati, OH **Philpott, M.** "Trees in Test Tubes: Using Biotechnology to Save Species"