

Prabhjot Singh, M.S.
Ohio State University
Environmental Science Graduate Student

(507)271-6826
singh.1374@buckeyelink.osu.edu

Kottman Hall
Office Room: 454
2021 Coffey Rd, 43210

Education

Ph.D.	Ohio State University, GPA 3.97 Environmental Science <i>Advisor: Matthew Hamilton</i>	In Progress
M.S.	Ohio State University, GPA 3.97 Environmental Science <i>Co-Advisor: Nicholas Kawa</i> <i>Co-Advisor: Christine Sprunger</i>	June 2021
B.A.	Gustavus Adolphus College, GPA 3.81 Art Studio <i>Advisor: Betsy Ruth Byers</i> Biology <i>Advisor: Jon Grinnell</i>	June 1, 2019

Experience

Research Assistant at Ohio State University	2019-Present
Assist with the collection and analysis of literature for review, compose and prepare documents for grant proposals and IRB approval, develop research and analytical skills necessary for future projects, research participant recruitment, collaboration with extension educators, production and distribution of an educational fact sheet, facilitation of interviews, qualitative and quantitative data formatting and analysis	

Diversity Center Program Assistant	2017-2019
Promoted diversity, equity, inclusion, and social justice work across campus. Organized events, designed posters for the promotion of Diversity Center events, and attended to phone calls	

Teaching Assistant – Anatomy & Physiology I & II	2018-2019
Supported the professor in daily lessons, corrected quizzes, answered student questions, and worked with small groups of students to help them prepare for exams	

Teaching Assistant – Principles of Biology	2018
Supported the professor in daily lessons and grading. Guided students through activities and projects, helped students prepare for exams	

Art Teacher at the Alternative Learning Center of St. Peter, MN	2018
Created and implemented lesson plans to educate students on studio art practices and art history. Oversaw 10-14 high school students, guided students through concept ideation, and demonstrated various art making processes	

Accomplishments and Activities

Completed Master's thesis project including distributing and collecting surveys, soil health lab testing, and conducting interviews with 20 participants 2019-2021

Received InFACT Linkage and Leverage Grant. Sprunger, C.D., N.C. Kawa, J.E. Doll, P. Singh. How can soil health indicators inform farmers' soil conservation practices and climate adaptation strategies? The Ohio State University InFACT Linkage and Leverage Grant. (USD 34,153 Total Award) Research Grant. 2020-2021

Highlighted in INFACT newsletter May 2021

Applied for North Central Region SARE 2020 Graduate Student Grant. An integrated approach to assessing the impacts of extreme precipitation on soil health and farmer decision-making in Ohio. Fall 2020

Applied for The College of Food, Agricultural, and Environmental Sciences (CFAES) and the Ohio Agricultural Research and Development Center's (OARDC) SEEDS grant. An integrated approach to assessing the impacts of extreme precipitation on soil health and farmer decision-making in northern Ohio. Fall 2019

Publications

Martin, T., J. Wade., P. Singh, and C.D. Sprunger. 2022. The integration of nematode communities into the soil biological health framework by factor analysis. *Ecological Indicators*. <https://doi.org/10.1016/j.ecolind.2022.108676>.

Publications in Progress

Singh, P., N. Kawa., and C.D. Sprunger. Linking soil health indicators to farmer perceptions of soil health. To be submitted to Journal of Soil and Water Conservation. (Spring 2022).

Sprunger, C.D., Martin, T.K., and Singh, P. Integrating perennials into agroecosystems for enhanced soil biodiversity and long-term sustainability. To be submitted to: Biodiversity and Bioeconomy. K. Singh (Ed.). Elsevier, Amsterdam, Netherlands. (Due May 8, 2022).

Research Interest

Evaluating the impacts of farm management on soil health, as well as soil health indicator fluctuation and sensitivity on farms across the Midwest.

Assessing farmer utility of soil health data, farmer decision making, and mental mapping

Exploring farmer-scientist interactions and communicating scientific concepts through visual and interdisciplinary methods