

Dr. Poonam Singh

Dr. Poonam Singh has been working at the Assiniboine Community College, Manitoba, Canada since 2015 as faculty in the Horticultural Production and Sustainable Food Systems programs. Prior to joining Assiniboine Community College, she worked as a scientist at the Institute for Sustainable Horticulture and as faculty at School of Horticulture of the Kwantlen Polytechnic University, British Columbia, Canada. Her other work experience comes from working as a Scientist at the Punjab Agricultural University, Ludhiana, India and as a Research Scholar at the Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh, India.

She holds a Bachelor of Science in Agriculture, a Bachelor of Education degree, a British Columbia Provincial Instructor diploma, a Masters of Science in Landscaping and Floriculture and a Doctorate degree in Horticulture.

Dr. Singh is an internationally known researcher. Her research focuses on sustainable crop production technologies, enrichment of plant germplasm for genetic enhancement and traditional food systems of Indigenous People in Canada. Most of Dr. Singh's research in Canada was carried out in collaboration with local companies as commercialization partners; the products developed became new sources of revenue for the collaborators. Her research work supported the adoption of sustainable processes and improved crop diversity at agricultural farms.

Her most recent and current research project involves developing a cost-effective biologically based Integrated Pest Management program for use at the largest retail nursery in Manitoba, Canada. This project supports an active local food movement by providing tools to produce pesticide-free food. She is also a recipient of Shastri Partnership Seed Grant on plant breeding systems for organic farming systems funded by the Shastri Indo Canadian Institute, Canada. Between 2004 to 2017, she presented her research at 27 national and international conferences and published 13 papers in peer-reviewed journals.