

Brief Bio of Dr. Henry Chau

Dr. Chau earned his Bachelor of Science in Biological Sciences with a Specialization in Microbiology at the University of Alberta in 2007. He continued his postgraduate studies in the Department of Soil Science, at the University of Saskatchewan graduating with a Ph.D. in Soil Science (Soil Physics) in 2014. His research focused on how soil water repellency could alter the soil structure, infiltration, and water retention behaviour in soils to improve their resilience after disturbance.

In the previous eight years, Dr. Chau has been working as a Senior Lecturer in Soil and Environmental Physics in the Department of Soil and Physical Sciences at Lincoln University, New Zealand. His research focus was on understanding the impacts of land use and management on soil physical and hydraulic properties, processes, and related ecosystem functions that are essential for addressing global societal challenges of water and food security, sustainable land management, economic development, weather uncertainty, and climate adaptation.

Dr. Chau has since returned to Canada in 2022. He is currently a research scientist with Agriculture and Agri-Food Canada (AAFC) at the Lethbridge Research and Development Centre. Dr. Chau is leading a program in the area of soil conservation and land resilience in agriculture at the farm and landscape level, including the impact and mitigation of drought or excess moisture. His program is contributing to achieving Canada's 2030 greenhouse gas emission reduction targets and carbon neutrality by 2050.