

Dr. Sue Grayston is a Professor at the University of British Columbia and holds a joint appointment in the Department of Forest & Conservation Sciences, Faculty of Forestry and the Faculty of Land and Food Systems, and holds a Canada Research Chair (CRC) in soil microbial ecology. Sue was born in Yorkshire, England and obtained her BSc and PhD in microbiology from the University of Sheffield in the UK, was a post-doctoral fellow at the University of Saskatchewan, a research fellow with MicroBio Rhizogen Corp., an Agricultural Biotech Company, at the NRCs Plant Biotechnology Institute in Saskatoon, then was a principal scientist at the Scottish Governments Macaulay Land Use Research Institute in Aberdeen, Scotland for 10 years prior to moving to UBC in 2003. Sue has served as an associate editor for the Canadian Journal of Forest Research, Soil Biology & Biochemistry and the Canadian Journal of Soil Science. Sue has served as a member of NSERC Discovery Grant Selection Committee 18 (Ecology and Evolution) and as a member on grant review panels for the Science Foundation of Ireland and the Academy of Finland. Sue is currently on a years' sabbatical leave from UBC, she spent the fall term at CNRS in Montpellier working with Jean-Louis Martin and is currently a guest professor at Boku University teaching a course on belowground ecology and methods in soil microbiology.

Sues' research focuses on the application of novel molecular and stable isotope probing methods to characterize soil microbial diversity and function in forests on projects related to sustainable forest management, climate change, introduced species and land reclamation. These include assessing the potential of variable retention harvesting to maintain soil function after harvest, the potential of forest fertilization to increase C sequestration in forests and effects on greenhouse gas emissions and assessing the best reclamation prescriptions for recuperation of the Athabasca oil sands after oil extraction. In 2016 she began research on Haida Gwaii studying the effects of introduced ungulates on belowground biodiversity and nutrient cycling processes. Since coming to UBC Sue has supervised 12 MSc students and 7 PhD students to completion; she currently supervises 2 MSc and 3 PhD students. Sue and her graduate students have published over 90 articles in international refereed journals. Her teaching responsibilities include courses in forest ecology and belowground ecology, soil processes and methods of soil analysis and scientific writing and argumentation.

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