

## **Funded M.Sc. Position in Soil Science and Regenerative Agriculture**

A funded M.Sc. position is available at Brandon University in collaboration with Assiniboine College under the co-supervision of Dr. Baljeet Singh and Dr. Bryan Cassone. The successful candidate will investigate the applications of biochar on sensitive soil landscape positions in Manitoba, Canada, with a focus on improving soil health, reducing soil erosion, and enhancing agricultural sustainability. The anticipated start date is Summer or Fall 2026.

Agricultural landscapes in southwestern Manitoba are characterized by undulating and hummocky topography, making upper slope positions particularly vulnerable to soil erosion, nutrient loss, and reduced organic matter accumulation. This project will explore the potential of biochar, a carbon-rich material produced through biomass pyrolysis, to improve soil physical properties, water retention, nutrient availability, and long-term carbon sequestration in erosion-prone areas. The research supports regenerative agriculture and climate change mitigation practices funded by Living Lab Projects.

Applicants should hold a B.Sc. degree in Soil Science, Environmental Science, Agriculture, Agronomy, or a related field, and demonstrate strong interest in soil health and sustainable agriculture research. Interested candidates should submit a brief statement of research interest and a current resume/CV.

**Both Canadian and international students are encouraged to apply.**

Applications and inquiries should be directed to:

- **Dr. Baljeet Singh** ([singhb2@assiniboine.net](mailto:singhb2@assiniboine.net))
- **Dr. Bryan Cassone** ([cassoneb@brandonu.ca](mailto:cassoneb@brandonu.ca))

### **Important Dates**

- Closing Date: Open until filled
- Start Date: Summer 2026 or Fall 2026

