

Tenure-track Position – Assistant Professor of Digital Agronomy, Department of Soil Science, Faculty of Agricultural and Food Sciences, University of Manitoba (28507)

Application Deadline: March 16, 2020

The Department of Soil Science, Faculty of Agricultural and Food Sciences, University of Manitoba invites applications for a full-time, tenure-track position at the rank of Assistant Professor focusing on digital technologies in agronomy. The position begins July 1, 2020, or as soon as possible thereafter. The position will contribute to teaching, research, service and outreach functions grounded in the Department's pillars of sustainable food production systems, soil and environmental health, greenhouse gas and climate change mitigation and adaptation, and seasonally-frozen soils and environments. Qualified applicants must possess a Ph.D. in soil science, agronomy or a closely related discipline; a record of independent research as demonstrated by scholarly publications, which might include publications arising from research as a graduate student; the potential for developing an active externally-funded research program, including supervision of graduate students; demonstrated ability or potential for high quality undergraduate and graduate teaching; and excellent oral and written communication skills in English. The successful candidate will be required to teach undergraduate and graduate courses in their area of expertise.

This position will enhance the agronomic expertise in the Department of Soil Science (www.umanitoba.ca/afs/soil_science) and the Faculty of Agricultural and Food Sciences. It is meant to bridge the subject areas of agronomy and digital data analytics. The successful applicant will develop a field research program focusing on digital applications in agronomy (e.g., soil and crop remote sensing and GIS applications; variable rate input application technology, targeted control of weeds, insects and pathogens; agronomic data analytics; digital data decision support tools) in crop production systems, and/or other advanced technologies, analytics and tools for field- to regional-level decision-making, matching nutrient application to crop needs, and/or optimized, real-time agronomic management. The Department has access to excellent research infrastructure and facilities, including the Ian N. Morrison Research Farm, a 406-acre facility located 70 km southwest of Winnipeg; and the Glenlea Research Station, a 1,000-acre facility 20 km south of Winnipeg. The Department also benefits from collaborations with other institutions and with provincial and federal departments, including Agriculture and Agri-Food Canada, which has two major centres in Manitoba: the Cereal Research Centre located at Morden, and the Brandon Research and Development Centre. The Faculty of Agricultural and Food Sciences is home to the National Centre for Livestock and Environment (NCLE, <https://umanitoba.ca/faculties/afs/ncle/index.html>), which engages in multi-disciplinary, multi-agency research partnerships focused on furthering the long-term economic and environmental sustainability of integrated livestock and crop production systems.

The University of Manitoba, founded more than 140 years ago, is located in Winnipeg and is Manitoba's largest research-intensive university. The University community is comprised of close to 30,000 students, 9,000 faculty and staff, and over 140,000 alumni. A vibrant,

prairie city with a population exceeding 700,000, Winnipeg boasts world-class arts and entertainment, professional sports teams and an affordable, balanced lifestyle; for more information, visit www.tourismwinnipeg.com.

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons, Indigenous Peoples, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Applicants are requested to submit the following materials, preferably via email as one PDF file attachment, by the application deadline of March 16, 2020. These materials will be shared with the members of the search committee.

- 1) A cover letter
- 2) A concise summary consisting of:
 - a) Statement of research interests and scholarly work in relation to digital agronomy (as defined in the ideal candidate profile above);
 - b) Description of experience in, and evidence of training and mentoring a diverse student population
 - c) Description of activity in outreach and industry/public/Indigenous engagement
- 3) A curriculum vitae that includes the names of three referees
- 4) Other materials that help support the applicant's application including select, relevant samples of scientific publications.

Send to:

Dr. Paul Bullock, Chair, Digital Agronomy Search Committee, Department of Soil Science, University of Manitoba, 362 Ellis Building, 13 Freedman Crescent, Winnipeg, Manitoba, R3T 2N2 Canada

Email: Paul.Bullock@UManitoba.ca

Telephone: (204) 474-8666

Please refer to Position Number 28507 in the subject line.

Application materials, including letters of reference, will be handled in accordance with the protection of privacy provisions of "*The Freedom of Information and Protection of Privacy*" (Manitoba). If you require accommodation supports during the recruitment process, please contact UM.Accommodation@umanitoba.ca or (204) 474-8371. Please note, this contact information is for accommodation reasons only.