

University of Alberta
Department of Agricultural, Food and Nutritional Science
Assistant/Associate Professor and WGRF Chair in Cropping Systems

Competition No. - **A108138334**

Closing Date - **Will remain open until filled.**

The Department of Agricultural, Food and Nutritional Science (AFNS) at the University of Alberta is inviting applications for a full-time tenure-track appointment at the Assistant/Associate Professor level in the area of Cropping Systems that is supported by the Western Grains Research Foundation (WGRF). The focus of this position is to develop landscape and farm-level management systems that optimize agricultural land yield, quality, and ongoing input costs, while simultaneously improving environmental health and agricultural sustainability. This could include the role of novel rotations using more diverse annual and perennial crop choices. Ultimately, this research will link crop productivity, water and fertilizer use efficiency, manure management, and detection and control of weeds, insects and diseases, with other environmental benefits, such as carbon storage in soils and/or the dynamics of greenhouse gases (N₂O and CH₄), in a systems approach. The candidate will be expected to develop a strong collaborative research program in the Division of Plant BioSystems within the Department of AFNS and Faculty of ALES, and play a leadership role in promoting Alberta's diverse bio-based economy. Alberta has a vibrant field crop industry generating about \$6B annually at the farm gate. The successful candidate will provide scientific direction and coordination of a program aimed at delivering plant-based agricultural products into value-added production chains, thereby bolstering the value of these crops.

The University of Alberta, one of Canada's premier research institutions, offers an excellent research environment encompassing state-of-the-art facilities and infrastructure, including laboratory and field equipment dedicated to the position, plant growth facilities (field facilities at South Campus Edmonton and the St. Albert Research Stations, and greenhouse and growth chamber facilities at the Ag-Forestry Research Centre), a comprehensive range of analytical research labs, leading-edge food safety and processing laboratories at Agri-Food Discovery Place, the Agricultural Genomics and Proteomics Unit, and the Human Nutrition Research Unit.

The successful candidate must have a PhD in one or more appropriate disciplines, such as Agronomy, Crop Science, Applied Plant Science, Agro-Ecology, or closely related fields. We are seeking an individual with an outstanding record of research accomplishments, a vibrant and growing research program, acknowledgement by peers as an emerging leader in their discipline, and a sound understanding of contemporary cropping systems. The candidate will have the vision and proven talent essential to build a successful collaborative research program that crosses institutional and disciplinary boundaries. The candidate will be expected to teach at all levels of the curriculum, from undergraduate to graduate level courses, and take on graduate supervision and other supervisory and administrative committee work.

The successful candidate's proposed research program should conform to the University's vision and "cornerstones" outlined in the UofA institutional plan "For the Public Good" document (<https://uofa.ualberta.ca/strategic-plan>).

Candidates should submit a letter of application outlining the proposed program of research, a statement of research interest, curriculum vitae, sample publications (20 page maximum), the names of at least 3 referees, and teaching dossier with evaluations of teaching performance. Interested candidates are encouraged to apply online. The position will remain open until filled; however, review of applications will commence on June 1, 2019.

To assist the University in complying with mandatory reporting requirements of the *Immigration and Refugee Protection Act (R203(3)(e))*, please include the first digit of your Canadian Social Insurance Number in the cover letter of your application. If you do not have a Canadian Social Insurance Number, please indicate this in your application.

For further information on this position, or the department, please contact the Chair by email at afns-chair@ualberta.ca or visit our website at <https://www.ualberta.ca/agricultural-food-nutritional-science/>.

Interested applicants may apply to: <https://www.careers.ualberta.ca/Competition/A108138334/>

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit persons; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.