

Canadian Light Source - Agriculture Research

Brightest Light in Canada Canadian Light Source



Crops



Animals



Food



Soil

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Recent Publications

Title	Link	Year
Synchrotron tomography applications in agriculture and food sciences research: a review	https://doi.org/10.1186/s13007-022-00932-9	2022
Showcasing the application of synchrotronbased Xray computed tomography in host–pathogen interactions: The role of wheat rachilla and rachis nodes in Typell resistance to <i>Fusarium graminearum</i>	https://doi.org/10.1111/pce.13431	2019
Midinfrared spectroscopy is a fast screening method for selecting Arabidopsis genotypes with altered leaf cuticular wax	https://doi.org/10.1111/pce.13691	2019
High Throughput Nutritional Profiling of Pea Seeds using Fourier Transform Mid-Infrared Spectroscopy	https://pubmed.ncbi.nlm.nih.gov/31708344/	2019
Evaluation of X-Ray Fluorescence Spectroscopy as a Tool for Nutrient Analysis of Pea Seeds	https://doi.org/10.2135/cropsci.2019.01.0004	2019

Agriculture Seminar Series

Speaker	Date	Institution	Title
Dr. Jacob L. Jones and Dr. Paul Westerhof	2022-04-26	North Carolina State University and Arizona State University	Phosphorus sustainability: A New Center & Opportunities for Synchrotron X-rays
Dr. Tim Sharbel	2020-11-18	University of Saskatchewan	Virgin birth, a key technology to revolutionize agriculture
Dr. Prakash Venglat		University of Saskatchewan	Two hallmarks of plant adaptation viewed through the embryonic lens
Dr. Alejandro Marangoni	2019-10-09	University of Guelph	Nanoscale Engineering of the Structure and Functionality of Edible Fats
Dr. Rosalind Bueckert	2019-01-21	University of Saskatchewan	Lighting the Path to Agriculture Innovation

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