

ncle | National Centre for Livestock and the Environment

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Newsletter

May 2023

SUSTAINABILITY OF CANADIAN AGRICULTURE CONFERENCE

More than 300 researchers, farmers, policy makers, and industry representatives attended the 9th Annual Sustainability of Canadian Agriculture Conference held March 7-9, 2023. The virtual conference tackled timely topics including the possibility of achieving net zero emissions, exploring the role of Indigenous agriculture and understanding the importance of biodiversity in our food system. Co-hosted by the National Centre for Livestock and the Environment (NCLE) and Agriculture and Agri-Food Canada (AAFC), the conference featured thought-provoking panel discussions, a GHG farm emissions modelling workshop and more. This year's theme was a deep dive into exploring how new and traditional knowledge can work jointly to enhance sustainable food production in Canada and pave the way to achieving net zero emissions targets in agriculture. Please visit the [SCAC 2023 conference website](#) to view recorded presentations, student research videos and more.

NEW AND EMERGING RESEARCH SESSION AT THE PRAIRIE LIVESTOCK EXPO 2022

The [Prairie Livestock Expo](#) was held in person for the first time in three years this past December. Formerly Hog & Poultry Days, this multi-species exposition showcased the newest technology to improve the efficiency and sustainability of livestock production systems. As part of the event, NCLE organized the New and Emerging Research Session, which included presentations featuring University of Manitoba researchers and industry speakers who addressed topics on animal health, digital technology, farmer wellbeing, public trust and others. All presentations can be accessed on the NCLE website. Please [click on resources](#) and visit the trending topics section of the site. The next Expo will be held in Winnipeg on December 11, 2024.



Photo credits: DUC, Tara Miller, UM

MANITOBA EGG FARMERS LEARNING AND RESEARCH CENTRE

The grand opening of the new Manitoba Egg Farmers Learning and Research Centre located at the Glenlea Research Station took place on April 26. The project is a partnership between the University of Manitoba, Manitoba Egg Farmers and the Provincial and Federal Governments. The facility will operate using the latest Canadian industry standards and has been designed to showcase modern commercial poultry production including aviary and enriched housing systems. The Centre will provide essential poultry research capacity in Manitoba including specially designed rooms to study metabolism in layer hens. This state-of-the-art facility will also provide training to students and industry and offer outreach activities in a modern public engagement space.

2023 ANNUAL T.K. CHEUNG LECTURE IN ANIMAL SCIENCE



On April 18th Dr. Sung Woo Kim shared his knowledge regarding the impact of intestinal health and mucosal microbiota on the growth of nursery pigs with members of industry and the University community. Dr. Sung Woo Kim is a

Professor of Nutrition, Department of Animal Science at North Carolina State University. He leads a world-class research program in monogastric nutrition. The results of his research have significantly advanced knowledge about intestinal health and amino acid nutrition, as well as functional nutrients in monogastric animals. This lecture was co-hosted by the NCLE and the Department of Animal Science.

The T.K. Cheung Annual Lecture series recognizes and honors Dr. Tsang Kay (Stan) Cheung. Dr. Cheung obtained his B.Sc., M.Sc., and Ph.D. in Animal Science from the U of M and is now the Executive Chairman/Director of Herald Holdings Ltd. in Hong Kong. He is a generous supporter of the TK Cheung Centre for Animal Science Research, the TK Cheung Conference Centre as well as education initiatives in the Department of Animal Science. In recognition of his generosity and commitment to education and research, the Department has established this annual seminar in his honour.



ABOUT US

The National Centre for Livestock and the Environment (NCLE) is located at the University of Manitoba (UM). The Centre has been active for almost two decades and is a unique community of researchers, industry stakeholders and students that engage in multi-disciplinary, multi-agency research focused on building a more sustainable future for the Canadian livestock sector.



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