

SPECIAL ISSUE ON THE 10TH CIRCUMPOLAR AGRICULTURE CONFERENCE 2019

GUEST EDITORS

Dr. Päivi Soppela - Chair of Circumpolar Agriculture Association, Senior Scientist, Arctic Centre, University of Lapland, Finland

Dr. David Natcher - Professor, Department of Agricultural and Resource Economics, University of Saskatchewan, Canada

Dr. Torfi Johannesson - Senior Adviser, Agriculture and Forestry, Nordic Council of Ministers, Denmark

DESCRIPTION

The 2019 Circumpolar Agriculture Conference was the tenth in line of international conferences organized within the framework of CAA (Circumpolar Agriculture Association), aimed at people involved in northern agriculture such as researchers, practitioners, administrators, managers, policy-makers and students. The conference addressed a bottom-up approach and new thinking of local agriculture, food production and rural development in the northern areas. The goal was to open up and discuss versatile meanings of circumpolar agriculture and call for new thinking to address its topical challenges and opportunities. In accordance with the theme of Finland's Chairmanship period of the Arctic Council, UN Sustainable Development Goals were highlighted in the program. The dedicated special issue examines, among others, the best practices and resilient solutions in the utilization of animal and plant resources, local breeds, reindeer herding, small-scale farming and non-timber forest products. Also, it addresses the high quality of arctic foods, their local profitability and business opportunities, as well as the importance of food security and sustainability in different regions and countries.

LIST OF ARTICLES

Preface to the Special Issue on the 10th Circumpolar Agriculture Conference 2019

Päivi Soppela

Tourism, Representation and Compensation among the Dukha Reindeer Herders of Mongolia

Jean Hatcherson

'Use of local resources as co-substrates in a farm-scale biogas plant'

Satu Ervasti, Markku Vainio, Elina Tampio

'Insect pollinators of haskap (*Lonicera caerulea* L.: Caprifoliaceae) in subarctic Canada'

Maria C.-Y. Leung, Jessica R.K. Forrest

'Skolt Sami Reindeer Ownership: Structural Changes as the Triggers of a New Era'

Panu M. Itkonen

'Rumen bacterial community of young and adult of reindeer (*Rangifer tarandus*) from Yamalo-Nenets Autonomous District of Russia'

Kasim A. Laishev, Larisa A. Ilina, Valentina A. Filippova, Timur P. Dunyashev, Georgiy Yu. Laptev and Evgeny V. Abakumov

'Carcass weight of Greenlandic lambs in relation to grazing area biomass'

Jesper Overgård Lehmann, Mette Vestergaard Odgaard, Troels Kristensen

'Transnational cooperation to develop local barley to beer value chains'

Hilde Halland, Peter Martin, Sigrídur Dalmannsdóttir, Sæmundur Sveinsson, Rólvur Djurhuus, Mette Thomsen, John Wishart, Ólafur Reykdal

'Addition of biochar to acidic boreal podzolic soils enhances micronutrient availability and crop productivity'

Joinal Abedin, Adrian Unc

Digitalisation in a local food system: Emphasis on Finnish Lapland

Dele Raheem

'Abandoned agricultural soils from the central part of the Yamal region of Russia: morphology, diversity, and chemical properties'

Evgeny Abakumov, Evgeniya Morgun, Alexandr Pechkin and Vyacheslav Polyakov

'Fishing as an important source of food in the Arctic and subarctic zones of Yakutia'

Nadezhda V. Popova, Alexey F. Abramov and Ludmila N. Markova