Poster session

Genetic Resources, Diversity and Breeding

(1) Identification and characterization of high-protein oat lines from a mutagenized oat population
Bindu A. Similkumar, Rickard Öste and Olof Olsson

(2) The high quality naked oat cultivars for functional food
Boris L. Ganichev, Olga A. Isachkova, Igor G. Loskutov

(3) Evaluation of some oat (Avena sativa L.) genotypes for yield and selected quality parameters grown under Trakya-Marmara region of Turkey
Turhan Kahraman, Ziya Dumlupinar, Cengiz Kurt

(4) Oats breeding in the Kuban region
Tamara Kuznetsova, Sergey Levshtanov, Nikolay Serkin

(5) Half-seeds; an efficient one step method to obtain homozygote lines for a specific trait
Svetlana Leonova, Bindu A Sunilkumar, Hans Olof Johansson, Johanna Lethin, Lars Sjögren, Yi Ren, Andreas Hansson and Olof Olsson

(6) The latest achievements of Moscow Agricultural Research Institute "Nemchinovka" in oat breeding
Mikhail I. Maksimenko, Aleksander D. Kabashov, Yakov G. Leibovich

(7) Finnish Oat Research Breeding and Production
Leena Pietilä and Merja Veteläinen

(8) White oat cultivar development at IAPAR – Brazil
Carlos Roberto Riede, Klever Márcio Antunes Arruda, Raceli Sandrin

(9) Flowering time, yield parameters and grain quality in oat collection harvested in Kazakhstan
Yerlan Turuspekov, Aigul Abugalieva, Asem Ashimova, Vladimir Chudinov, Grigoriy Sereda, Boribai Sariev, Saule Abugalieva
Genomics, Bioinformatics and Molecular Assisted Selection

(1) The Oat Newsletter: Satisfying your hunger for oat information
Charlene P. Wight, Gerard R. Lazo, Catherine J. Howarth, Jean-Luc Jannink, S. Shea Miller, Marcelo Pacheco, Zongwen Zhang, Pamela Zwer, and Nicholas A. Tinker.

(2) All a-Twitter about #oats
Charlene P. Wight

(3) Comparative genetic diversity of cereal crops cultivars in Kazakhstan
Saule Abugalieva, Kanat Yermekbaev, Shynar Anuarbek, Yerlan Turuspekov

(4) Genetic diversity of oat (Avena sativa L.) accessions and identifying of high quality and productive pure lines of oats for breeding.
Aigul Abugaliyeva, Myrzan Nurpeisov, Tim Langdon, Burubai Sariev, Vladimir Chudinov, Kaldarbek Zhundibayev

(5) Identification of Ppd loci affecting photoperiod response in oat RILs developed from the cross of Chihuahua and Anatolisher varieties*
Elizaveta Grigoreva, Pavel Ulianich, Vladimir Koshkin, Igor Loskutov, Elena Potokina

(6) Incorporating genotype-by-environment and genomic information into oat breeding programs
Lucia Gutierrez

(7) Screening Avena ventricosa populations in Cyprus for the presence of 2n gametes
Nikolaos Nikoloudakis, Angelos Kyratzis, Andreas Katsiotis

(8) Assessing the genetic diversity of Avena ventricosa populations in Cyprus using molecular markers
Stella Konstantinou, Nikolaos Nikoloudakis, Angelos Kyratzis, Andreas Katsiotis

(9) Genetic and molecular identification of genes required for multiflorous spikelet development in oat
Itamar Cristiano Nava, Cristiano Mathias Zimmer, Itacir de Pierri Ubert, Marcelo Teixeira Pacheco, Luiz Carlos Federizzi

(10) DArTseq markers towards Dw7 dwarfing gene in oats
Edyta Paczos-Grzęda, Sylwia Sowa, Agnieszka Ostrowska, Piotr T. Bednarek

(11) Genetic diversity of oat accessions from different countries revealed by SSR markers
Zongwen Zhang, Yarvaan Munkhtoya, Bin Wu, Qian Zhang
**Physiology, Pest, Disease Resistance**

(1) Deoxynivalenol in oats from fields in Slovakia during 2013 and 2014
Peter Hozlár, Svetlana Šliková, Sona Gavuriníková, Martina Mináriková, Edita Gregová

(2) The screening of wild *Avena* species of VIR collection in aluminium tolerance
Irina Kosareva, Blinova E.V., Bagmet L.V., Loskutov I.G.

(3) Development of oat lines differing in the genes of photoperiod sensitivity
V.A. Koshkin, I.G. Loskutov, I.I. Matvienko, E.V. Blinova

(4) Main diseases of oats under conditions of the Republic of Belarus
Natalia Poplavskaya, Svetlana Buga, Alexander Zhukovsky

(5) Greenbug resistance in oat accessions from Asia
E.E. Radchenko, T.L. Kuznetsova, M.A. Chumakov, I.G. Loskutov

(6) Virulence of *Puccinia coronata* f.sp. *avenae* in Poland during 2013-2015
Sylwia Sowa, Edyta Paczos-Grzęda, Agnieszka Ostrowska

(7) Genetic sources of disease resistance in oats
S. V. Svirikova, A. V. Zaushintsena, A. A. Startsev

(8) Oat response to sowing date, applied nitrogen and plant density in the low rainfall region of Western Australia.
Georgie Troup, Blakely Paynter, Raj Malik

**Agronomy, Nutrition, Health Claims and Diets**

(1) Initial material for development of high protein oat cultivars in northern Transural mountain region
Yu. S. Averyasova, M. N. Fomina, I. G. Loskutov

(2) Effect of environment on yield and grain quality parameters of winter oats in different growing seasons in the United Kingdom
Alexander (Sandy) Cowan, Pilar Martinez, Irene Griffiths, Athole Marshall, Tim Langdon, Sarah Clarke, Nick Fradgley, Catherine Howarth

(3) Avenins as markers in oat breeding and seed production
N. Gubareva, I. Gavrilyuk, G. Batalova, I. Loskutov, V. Krasilnikov, A. Konarev

(4) Genetic diversity in oat genetic resources by seed storage protein polymorphism
Peter Hozlár, Edita Gregová, Svetlana Šliková

(5) Effect of grain development on quality parameters in oats
Pilar Martinez Martin, Irene Griffiths, Alexander (Sandy) Cowan, Catherine Howarth

(6) Duplicate accession identification in the VIR (Russia) and NordGen (Sweden)
Avena sativa L. collections

(7) Amino acid analysis of high protein oat lines
Yi Ren, Bindu A. Similkumar, Rickard Öste, Olof Olsson

(8) The content of oil and fatty acid composition in 8 cultivars of oat grown in lesser Poland region
Mirosław Krosniak, Anna Zalewska, Renata Francik, Barbara Tatar, Elżbieta Kondratowicz-Piertruszka, Elżbieta Pisulewska, Agnieszka Wojtanowska-Krosniak, Halina Rudd

(9) The metabolomic approach to the analysis of wild and cultivated species of oats

(10) Assessment of oat genotypes according to the characteristics determining the nutritional grain quality
Sanita Zute, Igor Loskutov, Zaiga Vicupe

(11) Prediction of some quality parameters of oats by using NIR
Turgay Şanal, Özge Yıldız, Asiyе Seis Subaşı, Tülin Özderen, Dilek Özay Sivri

Production, Processing, Products and Consumers

(1) Evaluation of oat flour quality using MixoLab
Larisa Cato and Jenny Ng

(2) Size distribution and quality of Australian oat grains
Sabori Mitra, Larisa Cato
(3) Viscosity of water and buffer extract as a new tool in selection of oat genotypes for specific end-uses  
   Damian Gołębiewski and Danuta Boros

(4) Improving wheat flour quality by addition of fermented oat seeds  
   Michaela Havrlentová, Katarína Nahálková, Tatiana Klemová, Marek Jašurek, Soňa Gavurníková, Milan Čertík, Peter Hozlár

Sustainable Farming Systems, Commercialization, Seed Production, and Royalties

(1) Effect of fertilization on important content and quality parameters of common and naked oat  
   Peter Hozlár, Katarína Matúšková, Michaela Havrlentová, Andrea Lančaričová, Svetlana Šliková, Daniela Čemanová

(2) The strength of growth and the degree of injury to the seed varieties of oats depending on the ecological conditions of cultivation  
   Tazhihan Tleubaeva, Rinat Kassenov

(3) The export oaten hay industry in Australia  
   Peter D. McCormack

(4) Grain Industry Association of Western Australia (GIWA) Inc.  
   Will Carrington-Jones, Rachel Nash

(5) Climate changes influence at oats vegetation in European part of Russia  
   L. Novikova, I. Loskutov

(6) Transforming Western Australian oat production  
   Garren Knell, Trent Butcher, Georgie Troup, Robert Loughman

(7) Development of an improved single ear/small sample thresher  
   E. John Stevens, John Hampton, Geoff Gray, Keith Armstrong, Dinesh Pariyar, Adrian Russell, Bill Angus

(8) Fodder oats in Nepal: fulfilling farmer needs  
   Keith Armstrong, Dinesh Pariyar, John Hampton, E. John Stevens, Adrian Russell, Bill Angus
Control weeds integrating agricultural cultivation methods and herbicide in oat field

XiaoYu Zhang, HongYou Zhou, BaoZhu Dong, HuanWen Meng