



Letter to the editor

5th International Scientific Conference of “Plant Genetics, Genomics, Bioinformatics, and Biotechnology” (24-29 June 2019, Novosibirsk, Russia)

Dear Editor

I am glad to inform the journal readers that International Conference "Plant Genetics, Genomics, and Biotechnology" (PlantGen) series started in Novosibirsk, Russia since 2010. The Conferences present state-of-the-art results in the field of plant genetics, genomics, and biotechnology and discuss the promising directions of collaboration in basic and applied aspects of plant genome research. The Federal Research Center Institute of Cytology and Genetics, Siberian Branch of the Russian Academy of Sciences (ICG SB RAS) invites the readers take part in the 5th International Scientific Conference “Plant genetics, genomics, bioinformatics, and biotechnology” (PlantGen-2019), 24-29 June 2019 Novosibirsk, Russia (website: <http://conf.bionet.nsc.ru/plantgen2019>).

As we know, genetically modified plants help ensure crop yield. Genetic engineering allows modifying genomic host by introducing insect-resistant genes by transferring genetic material from any plant, animal, microorganism or artificial material. After such genetic changes, plants show new properties, increased resistance to insects, which can greatly contribute to reducing damage. But food safety concerns raised the continuing public debates worldwide demanding development of cross-disciplinary approaches to study the issue.

Plantgen-2019 conference in Novosibirsk, Russia will present results of the latest researches in fields of plant

genetics, genomics, bioinformatics, and biotechnology. Organizers are Prof. Vladimir K. Shumny, Prof. Alex V. Kochetov, Prof. Elena A. Salina, Prof. Nikolay A. Kolchanov, Prof. Nikolay P. Goncharov, Prof. Andreas Börner, Prof. Yerlan Turuspekov, and Prof. Elena K. Khlestkina.

At this year event, we plan to discuss challenging science areas in the basic and applied fields of plant genome research using systems biology approaches. The working languages of the Conference are English and Russian.

The conference sessions in 2019 include:

- * Plant genetic resources for breeding and producing functional nutraceutical food.
- * Plant resistance to pathogens and other biotic stresses.
- * Genetic and epigenetic mechanisms of plant resistance to abiotic stresses.
- * Plant biotechnology in the post-genome era.
- * Plant systems biology and digital technologies.

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