

Special Issue

Peanut Genetics and Omics

Message from the Guest Editors

Peanut (also known as groundnut) is one of the most important economic oil crops in the world, supplying oils and proteins for human nutrition. The annual world production of peanut is approximately 50 million tons, which was affected by several important diseases, during the growing stage and also after harvest. The utilization of resistant varieties is the most cost-efficient measure to control these diseases. The availability of several reference genomes for peanut and its wild relatives in genus *Arachis* is now helping researchers to unpack genetic basis of the resistance to these diseases, which would accelerate the development of advanced resistant varieties.

This Special Issue aims to document the cutting edge of applied and basic research on genetics of peanut resistance to major diseases globally, bringing together research developments that make use of the peanut reference genome and related technologies. We seek papers using population genomics, molecular genetics, and other omics, particularly those discovering new resistant loci/genes and those addressing the underlying molecular and evolutionary mechanisms of resistance.

Guest Editors

Dr. Liying Yan

Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, Wuhan 430062, China

Dr. Huaiyong Luo

Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, Wuhan 430062, China

Deadline for manuscript submissions

closed (20 August 2024)

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
genes@mdpi.com

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham,
1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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