

Special Issue

Alternative Splicing: From Abiotic Stress Tolerance to Evolutionary Genomics

Message from the Guest Editors

Post-transcriptional regulations, especially alternative splicing (AS) events, substantially contribute to the complexity of eukaryotic transcriptomes. We consider that investigating and comparing AS events of genes across lineages or within phylogenetically related species would also be a very interesting topic. Agricultural productivity has been threatened by the growing climate change problems, so investigating the molecular mechanisms underlying the various kinds of environmental stresses has become an urgent task for crop improvement. A lot of literature has revealed a linkage between AS events and plant stress tolerance. Thus, AS plays an important role in Kingdom Eukarya. This Special Issue will focus on the alternative splicing events of genes and their regulation in response to abiotic stress or disease, and their evolution in different genomes. Notwithstanding, contributions on related topics aimed at understanding the biological functions of alternative splicing in plants are also welcomed, including reviews and original research articles.

Dr. Melvin J. Oliver

Guest Editors

Dr. Bei Gao

Dr. Moxian Chen

Dr. Melvin J. Oliver

Deadline for manuscript submissions

closed (30 November 2022)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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