Special Issue

The Role of DNA Repair in the Plant Response to Abiotic Stress

Message from the Guest Editor

As you all know, genome preservation is essential for all living organisms. Cells continually undergo DNA damage due to both endogenous and exogenous factors, and this can compromise plant growth and development. Specific DNA repair pathways are required to repair determinate types of lesions. Understanding how these pathways work and are regulated can aid in developing plants with multi-stress resistance. Hence, this is one of the current "hot topics" that addresses challenges related to climate change and its effect on plant productivity and food security. Over the years, many studies have been dedicated to identifying genes/proteins involved in DNA repair, and with the aid of cutting-edge biotechnological applications, this information can be translated into useful applications. Therefore, for the current Special Issue, we would like to gather a collection of articles, including original research, review, opinion papers, and communications dedicated to broadening the knowledge related to DNA repair pathways and plant adaptation to climate change.

Guest Editor

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Deadline for manuscript submissions

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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?

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