Special Issue

DNA Damage Repair and Plant Stress Response

Message from the Guest Editor

Genome preservation is essential for all living organisms. Cells continually undergo DNA damage due to endogenous and exogenous factors, and this can compromise plant growth and development. Understanding how DNA damage response pathways work and how they are regulated can aid in developing plants with multi-stress tolerance. Hence, this is one of the current “hot topics” in addressing challenges that are related to climate change and its effects on plant productivity and food security. Throughout the years, a lot of research has been dedicated to identifying genes/proteins that are involved in DNA repair, and with the aid of cutting-edge biotechnological applications (e.g., omics, genome editing, imaging techniques), this information can be translated into useful application. Therefore, this Special Issue collects articles, such as original research, review, opinion papers, and communications, which broaden knowledge related to DNA damage response, DNA repair, and plant adaptation to climate change.

Guest Editor

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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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