

Special Issue

Seed Dormancy and Germination: Ecological, Physiological and Applied Perspectives

Message from the Guest Editor

Seed germination and dormancy are crucial stages in the plant life cycle and determine the success of natural regeneration, agricultural production, and biodiversity conservation. Despite significant advances in understanding these processes, many challenges remain, from intraspecific variability to responses to climate change and anthropogenic pressures. In this Special Issue, we aim to bring together original papers and reviews that explore the physiological, molecular, and ecological mechanisms that regulate seed dormancy and germination, as well as their implications for sustainable agriculture, ecological restoration, and the use of new technologies. Furthermore, we welcome papers that integrate interdisciplinary approaches, present methodological innovations, or discuss the practical application of knowledge in the global context of food security and adaptation to environmental change. We invite researchers from different fields to submit their manuscripts and contribute to a comprehensive and up-to-date discussion on this essential topic for science and society. We look forward to receiving your contributions. Prof. Dr. Edna Ursulino Alves

Guest Editor

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