

Special Issue

Proteases and Protease Inhibitors in Plant Growth, Development, Stress Responses and Plant Biotechnological Applications

Message from the Guest Editor

Proteolysis is involved in various aspects of plant development, stress responses and overall physiology. These aspects include signal molecule generation via precursor protein processing, general protein turnover, senescence et al. The regulation of protease activity, whether at the level of the individual proteases themselves or the regulation of specific protease inhibitor classes, is of significance if we are to understand the overall importance of proteolytic activity in plant biology, as well as the potential biotechnological applications of regulated proteolytic activity. In addition to intracellular localization, numerous proteomic studies have indicated that various proteases and protease inhibitors are secreted into the extracellular matrix environment. The regulation and role of protease activity require further characterization and key questions remain to be answered. This Special Issue of *Plants* is aimed at addressing these questions. It focuses on secreted, proteases and protease inhibitors and seeks to compile novel results in this field of research as well as literature reviews of subjects related to this field.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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