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

Guest Editor:

Dr. Barry Flinn

Department of Biology, Carleton University, Ottawa, ON K1S 5B6, Canada

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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.



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Special Issue



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Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

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Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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