# **Special Issue**

### Epigenetic and Transcriptomal Regulatory Mechanisms in ROS- and Phytohormone-Dependent Regulation of Plant Development

### Message from the Guest Editors

Each step of the seed-to-seed plant development cycle is controlled by a combination of endogenous (i.e., phytohormones, reactive oxygen species (ROS)) and environmental (i.e.: light, temperature, stresses) factors resulting in a variety of phenotypic plasticity. As they are not mobile organisms, plants cannot change their surroundings, and they are forced to cope with changeable and often unfavorable growth conditions. An increasing volume of evidence highlights that epigenetic and transcriptional regulatory mechanisms can finetune gene activity and expression patterns, thus enabling plants to survive and reproduce successfully in unpredictable environments. This Special Issue aims to present recent advances in understanding the involvement of epigenetical and transcriptional control of the ROS- and phytohormone-dependent regulation of plant development. Contributions by experts in the field in the form of research papers and critical reviews will be highly appreciated to extend our knowledge in the area.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (10 February 2024)

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### Editor-in-Chief

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