



## Regulations by Small RNA in Plant Development and Beyond

Guest Editors:

**Dr. Giorgio Gambino**

Istituto per la Protezione  
Sostenibile delle Piante,  
Consiglio Nazionale delle  
Ricerche, Torino, Italy

**Dr. Chiara Pagliarani**

Istituto per la Protezione  
Sostenibile delle Piante,  
Consiglio Nazionale delle  
Ricerche, 10125 Torino, Italy

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### Message from the Guest Editors

Plants are subjected to several environmental stimuli and a fine transcriptome reprogramming is needed to allow the balance between the plant response to stress factors and processes of plant growth and development. In this context, non-coding RNAs (ncRNAs) are fundamental players in the transcriptional and epigenetic regulatory mechanisms involved in the development and environmental adaptation of plants. Basing on their biogenesis, small RNAs are classified in different categories, each exerting specific functions in gene regulation that often overlap with hormonal signalling cascades. Although in the last decade there was a real explosion of studies on plant small RNAs, much of RNA signalling pathways is still unknown.

Papers submitted to this Special Issue should report novel and timely results unveiling significant aspects of small RNA-mediated signalling pathways, including DNA methylation patterns, crucial for the understanding of plant development, and of physiological and molecular responses to abiotic and biotic stress. Groundbreaking insights shedding new light on MIRNA genes and/or the diversification of miRNA biogenesis and functionality in plants are welcome as well.





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## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

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*International Journal of Molecular  
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MDPI, St. Alban-Anlage 66  
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