

Special Issue

Cellular and Molecular Regulatory Signals in Root Growth and Development

Message from the Guest Editor

Responses of root growth and development to environmental changes ensure adequate adaptation of plants to availability of water and nutrients. For example, accelerating root elongation allows them to reach deeper soil layers, where water is still stored during drought, when the top layers become dry. Increased root branching in the soil patches enriched with mineral nutrients facilitates their acquisition by plants. These types of responses are initiated by environmental signals that induce and interact with endogenous signals resulting in the changes in division, elongation and differentiation of root cells. Although the complicated net of these signals has been thoroughly studied, many questions still remain unanswered. Therefore we invite researchers to submit their experimental and review articles to the present Special Issue

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2024)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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