

Special Issue

Rhizobium-Plant Interaction

Message from the Guest Editors

A complex signaling dialogue occurs between plants and soil rhizobia, allowing the proper partner recognition and the following plant tissue colonization by rhizobia. During this process, bacterial physiology undergoes a drastic remodeling, as well as the plant cells, adapt to host the bacteria. Several novel molecular aspects of this process are being discovered in the last years, including physiological and ecological aspects of the molecular actors of this model symbiosis and the recognition that rhizobia can non-symbiotically interact with several plant species other than legumes. This Special Issue addresses the contribution of studies on the interaction between rhizobia and plants. The topics include, but are not limited to, (1) increased understanding of molecular signals between rhizobia and plants, (2) role of partners' genotype specificities in the phenotypic variation of rhizobium-plant symbiotic association; (3) molecular diversity and evolutionary dynamics of rhizobia-plant interaction, and (4) molecular understanding and relevance of non-symbiotic rhizobia.

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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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