# **Special Issue**

# **Rhizosphere Microorganisms**

## Message from the Guest Editor

Plant rhizosphere microorganisms can protect against pathogens, improve growth and contribute to plant phenotypic plasticity. Plant growth-promoting rhizobacteria (PGPR) are beneficial microbes that stably survive and colonize in the rhizosphere of plants. PGPR are the major source of biofertilizer strains, which show beneficial effects on crops, such as growth promotion, inhibition of soil-borne pathogens and enhancement of plant tolerance. The beneficial functions of PGPR on plants largely rely on root colonization ability, for which chemotactic motility and biofilm formation on the rhizoplane are the most important colonization processes. This provides a rational basis for increasing the quality of soil and developing sustainable agriculture with less input of fertilizers or pesticides.

#### **Guest Editor**

Prof. Dr. Zhihona Xie

National Engineering Laboratory for Efficient Utilization of Soil and Fertilizer Resources, College of Resources and Environment, Agricultural University of Shandong, Tai'an 271000, China

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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