



**1. Title**

Advances in Rhizosphere Regulation and Soil Nutrient Management

**2. Type**

Commission Symposium: Comm. 3.3-Soil Fertility and Plant Nutrition

**3. Organizer(s) & Convener**

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**4. Rationale**

Nowadays, a large amount of fertilizer input is supporting the increase of crop production. Low nutrient use efficiency (NUE) results in severe resource depletion, including some non-renewable nutrient resources (e.g. P), and environment pollution. Improving NUE and reducing fertilizer input by efficiently utilizing biological potential and optimal nutrient management have already been a research hotspot. The knowledge will continue to be updated by new research discoveries.

**5. Objectives**

This symposium will provide a forum for worldwide scientists working on various aspects of rhizosphere regulation and soil nutrient management to share their latest research findings and ideas, in order to enable us to utilize biological potential and soil nutrient in a sustainable and economically-viable way.

**6. Description**

This symposium will promote the related research in the frontiers of theory, approaches and application of rhizosphere regulation and soil nutrient management. The symposium will focus on the exploration of integrated nutrient management strategy, which provides theoretical and technological support for global food and environment security.

