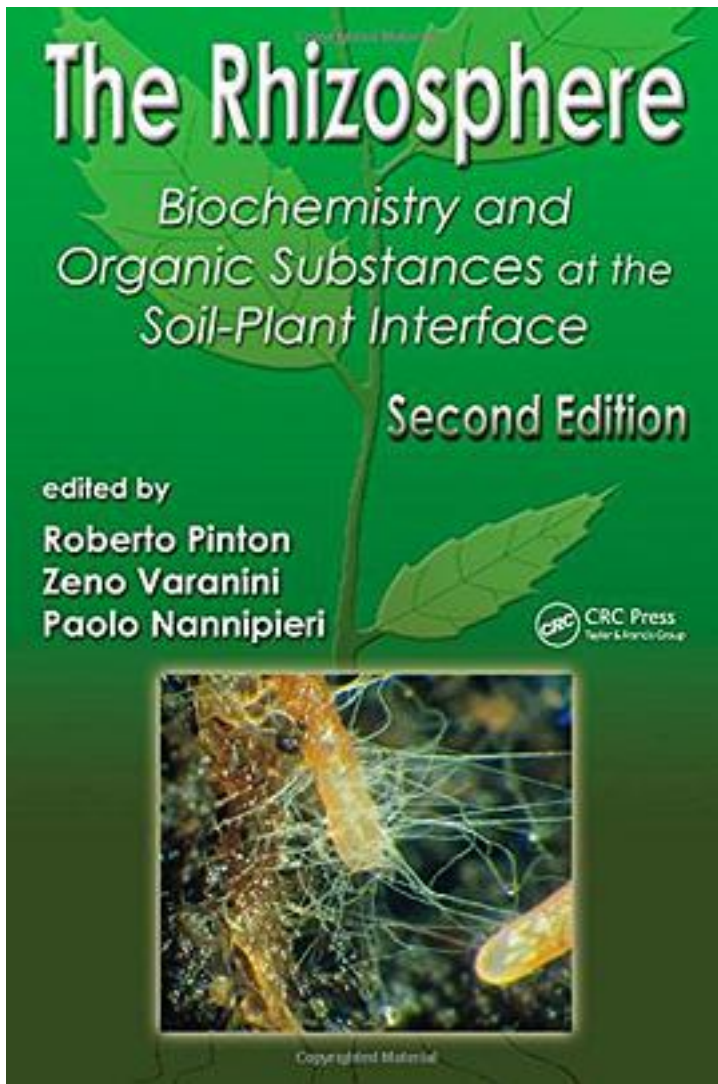


The Rhizosphere



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Below the soil surface, the rhizosphere is the dynamic interface among plant roots, soil microbes and fauna, and the soil itself, where biological as well as physico-chemical properties differ radically from those of bulk soil. The Rhizosphere is the first ecologically-focused book that explicitly establishes the links from extraordinarily small-scale processes in the rhizosphere to larger-scale belowground patterns and processes. This book includes chapters that emphasize the effects of rhizosphere biology on long-term soil development, agro-ecosystem management and responses of ecosystems to global change. Overall, the volume seeks to spur development of cross-scale links for understanding belowground function in varied natural and managed ecosystems.

- * First cross-scale ecologically-focused integration of information at the frontier of root, microbial, and soil faunal biology

- * Establishes the links from extraordinarily small-scale processes in the rhizosphere to larger-scale belowground patterns and processes

- * Includes valuable information on ecosystem response to increased atmospheric carbon dioxide and enhanced global nitrogen deposition

- * Chapters written by a variety of experts, including soil scientists, microbial and soil faunal ecologists, and plant biologists

作者介绍:

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