

李小雁教授主编出版《Vadose Zone Journal》专刊

北京师范大学地理科学学部自然资源学院李小雁教授牵头担任客座主编，近日组织出版了《Vadose Zone Journal》专刊“Frontiers in Hydropedology: Interdisciplinary Research from Soil Architecture to the Critical Zone”。该专刊基于第三届水文土壤学国际会议（北京，2016年8月16-19日）的交流论文，经严格同行评审后精选论文10篇，涵盖“土壤结构与壤中流”、“地下水-地表水相互作用”、“土壤水文数据库与模型模拟”和“地球关键带研究”4个主题。《Vadose Zone Journal》是美国土壤学会老牌期刊，是土壤学和水文学交叉学科及地球关键带科学研究方面的国际知名期刊。

本次国际会议的召开及其论文专刊的出版，对于推动水文土壤学新兴交叉学科发展，促进地球关键带和地球表层系统科学研究，加强该领域国际合作交流发挥了积极作用。

专刊网址：<https://dl.sciencesocieties.org/publications/vzi/special-sections>

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Special Section: Frontiers in Hydropedology: Interdisciplinary Research from Soil Architecture to the Critical Zone

Core Ideas

- This special section focuses on interactions between soils and hydrologic processes in landscapes.
- These contributions stem from the 3rd International Conference on Hydropedology.
- The 10 articles fall into four themes.

Frontiers in Hydropedology: Interdisciplinary Research from Soil Architecture to the Critical Zone

Xiao-Yan Li,* Henry Lin, and Horst H. Gerke

This preface for the special section provides a brief background on hydropedology as an emerging interdisciplinary science. The 10 articles included in this special section stem from presentations given at the third International Conference on Hydropedology held in August 2016 in Beijing, China, which highlighted the importance of soil architecture and preferential flow, soil moisture and hillslope hydrology, hydrologic flux and soil structure interactions at different scales, soil biophysical and biochemical complexity, and Critical Zone science.