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The Water-Energy-Food Nexus: Progress and Prospects

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Message from the Guest Editor

Over the past decade, international research and policy circles have been increasingly recognizing the need for more integrated research, planning and management of water, energy and food systems to address the interconnected risks to water, energy, and food security. In response, the water-energy-food nexus concept highlights the interactions between these systems and provides insight into the cross-sectoral implications of single-sector strategies. The need to manage resources in an integrated way has never been as urgent as it is today. Growing pressures on natural resources are making the interdependencies and trade-offs between food, water and energy systems, and their interactions with land, climate change and livelihoods, increasingly evident. Understanding their interplay is essential to effectively addressing sustainability challenges. Furthermore, managing food, water and energy systems is key to achieving the Sustainable Development Goals and requires a better understanding of the interactions between the Goals, both at and across different scales. Providing decision-makers with the multifaceted knowledge needed to seize all opportunities to enhance synergies and minimize trade-offs is, therefore, a major objective for sustainability science.

This Special Issue will feature theoretical and empirical work aimed at better understanding the role of land as the nexus of water, energy and food.



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Special Issue



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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars and we aim to publish high quality research and scholarship. By addressing important global issues across the broad sweep of land science, e.g., urbanization, land grabbing and ecosystem services, *Land* promotes an understanding which will lead to solutions that will benefit human well-being and environmental sustainability.

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