

Special Issue

Urban Green Construction and Data-Driven Design: Linkages between Construction, Management and Ecology across Multiple Scales

Message from the Guest Editor

Construction is a human activity that is changing the biogeophysical environment and expanding urban land at an unprecedented rate. This land use change is largely driven by urbanization, and produces significant social-ecological effects with consequences for nature, biodiversity and human well-being. These include the degradation of rural ecosystems and critical disturbances to urban ecosystem functioning and services. They manifest in land use conflicts; biocultural diversity; spatial heterogeneity patterns modified by land use changes introduced by agricultural landscapes, urban forests, roof gardens and green facades; habitat fragmentation and homogenization, climate adaptation and mitigation, and food insecurity and human-nature disconnect. This special issue foregrounds the social-ecological effects of the built environments that are generated and mediated by the linkages between construction, management and ecology. We are particularly interested in receiving contributions that help better understand, protect and shape the multifunctionality, adaptability and resilience of complex social-ecological urban systems.

Guest Editor

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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. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

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