



Peatland Ecosystem

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Message from the Guest Editors

Peatland ecosystem functions and services have become crucial in the context of climate change and further human-induced transformation of landscapes. Sustainable strategic land use planning in peatlands is a significant input to the ecosystem-based solutions for climate change mitigation and adaptation. Integrated peatland ecosystem management should be based on comprehensive knowledge and understanding of ecosystem structure, processes, and functions. The Special Issue is inviting research focused on the theoretical background, methods, and outcomes of case studies for translating basic knowledge on peatland ecosystems into land use and ecosystem management solutions.

In this Special Issue, we invite papers focusing on, but not limited to, the following topics:

- Peatlands ecosystem diversity
- Indication and modelling of the key ecosystem functions
- Water, carbon, and energy balance in peatlands ecosystems
- Socio-economic aspects of peatlands use
- Peatlands ecosystem functions and services
- Evaluating and mapping of land use impact on peatlands ecosystems
- Peatlands in the environment and climate-related policies
- Modelling/mapping land use spatiotemporal change



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Message from the Editor-in-Chief

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