

Special Issue

Ecology, Biogeography and Evolutionary Biology of Peatlands

Message from the Guest Editors

Peatlands are remarkable for their specific biodiversity and ecosystem functioning. The accumulation of peat provides invaluable archives of past environmental and vegetation conditions. Yet peatlands face many threats, especially those related to anthropogenic activities. In all biomes, wetlands are converted and peatlands decrease in surface area or are degraded. Global warming is liable to deeply change peatland functioning and to convert peatlands from carbon sinks to carbon sources at high latitudes. In this context, this Special Issue will include contributions highlighting the current ecological health of peatlands in different biomes, and proposing perspectives for their conservation and management. We also hope to present contributions on the evolutionary ecology and biogeography of peatlands, shedding light on their past to better forecast their contribution to future ecosystem functioning.

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