

Special Issue

Advances in Protecting Ecosystem Functions and Biodiversity in Agricultural Landscapes

Message from the Guest Editors

Agricultural landscapes have undergone profound transformations over recent decades due to the intensification of agriculture. This process has led to the simplification of the agricultural landscape, causing habitat loss, ecosystem fragmentation, and a decline in ecosystem functions and biodiversity, with significant consequences for ecological resilience and rural sustainability. Reversing these trends requires a shift toward landscape-based approaches that reconcile agricultural production with biodiversity conservation. This Special Issue aims to bring together cutting-edge research that explores strategies for enhancing ecological processes within farmed environments. It focuses on assessment and monitoring of biodiversity and ecosystem services, habitat connectivity and ecological networks, land use management, and ecological restoration. The Special Issue also welcomes research addressing social dimensions. Contributions may include original research articles and review papers that provide novel insights, methodological advances, or syntheses relevant to agroecology, landscape ecology, and sustainable agricultural systems.

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