



Agro-Ecology for Grassland-Based Farming Systems

Collection Editor:

Dr. Gianni Bellocchi

Grassland Ecosystem Research
Unit (UREP), French National
Research Institute for Agriculture,
Food and Environment (INRAE),
63000 Clermont-Ferrand, France

Message from the Collection Editor

The application of ecological concepts and principles to the design and management of agro-ecosystems can improve sustainable agriculture through a better use of existing resources and technologies by finding synergies between plants, soil, climate and management practices. This Special Issue aims to exhibit that changes in the agronomic rationale are possible in the reinvention of farming systems using agro-ecological engineering approaches combining several methods of knowledge production, including analytical (decontextualised) methods such as experimentation and on-farm observations, and holistic (contextualised) methods based on participatory approaches with stakeholders.

Methodological contributions, case studies and modelling advances are welcomed, with the aim to (i) highlight the role of plant functional diversity in agroecosystem performance, (ii) assess the complementarity of grasslands with other surfaces to secure agricultural systems, (iii) analyse the links between practices, principles and properties, and (iv) to illustrate and redesign paths in line with agro-ecological trajectories.





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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Graham Centre for Agricultural
Innovation, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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