



Effects of Cover Crops, Crop Rotation, and Intercropping on Natural Soil Fertility

Guest Editors:

Prof. Dr. Masoud Hashemi

Stockbridge School of
Agriculture, University of
Massachusetts, Amherst, MA
01003, USA

Dr. Amir Sadeghpour

School of Agricultural Sciences,
College of Agricultural, Life and
Physical Sciences, Southern
Illinois University, Carbondale, IL
62901, USA

Prof. Dr. Xiaobing Liu

State Key Laboratory of Black
Soils Conservation and
Utilization, Northeast Institute of
Geography and Agroecology,
Chinese Academy of Sciences,
Harbin 150081, China

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Message from the Guest Editors

Strategies that counteract the adverse impacts of climate change are crucial to the sustainability and resiliency of farming. Due to the availability of inexpensive and easy-to-use chemicals, many historical sustainable farming practices such as cover cropping, intercropping, and meaningful crop rotations have seen little use in recent decades. Cover crops are the backbone of the sustainability and resiliency of farming. The agroecological benefits of cover crops are numerous. Proper management, including species selection, termination timing, and seeding rates, is needed to maximize the benefits and profitability of cover crops. The intercropping of two or more crops with different canopy architectures and root systems may provide greater efficiency in the use of limited available irrigation water and nutrients, reducing the crop failure risk.

For this Special Issue, we are seeking manuscripts that explore the influence of cover crops, crop rotation, and intercropping on natural soil fertility and off-farm nutrient consumption. All types of contributions (reviews, original research, and meta-analyses) that offer new insights into sustainable crop production systems are welcome.





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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
Water and Environment
Research, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

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Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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