

# Special Issue

## Cover Plants and Animal Manure as Fertilizer: Changes in Soil Nitrogen and Carbon Cycle

### Message from the Guest Editors

Cover plants (such as *Poaceae* and *Fabaceae*) and animal manure (such as swine, cattle, and poultry) may be used as nutrient sources for annual and perennial crops, increasing the nutrient cycling within agricultural land and reducing the costs with the acquisition of industrial fertilizers. Thus, we invite researchers to contribute original papers and review articles about using cover plants and animal manure as fertilizer, investigating the effect on changes in soil carbon and nitrogen content and stocks, with application periods in the soil of at least five years of animal manure or use cover plants. Potential topics include but are not limited to the following:

- Soil carbon and nitrogen with a history of cover plant utilization in succession or rotation crops;
- Soil carbon and nitrogen with a history of animal manure applications;
- Fractions and accumulation of carbon and nitrogen in areas with soil cover plants that are intercropped or single;
- Fractions and accumulation of carbon and nitrogen in areas with animal manure applications;
- Soil carbon and nitrogen in soil aggregates with a use history of cover plants or animal manure.

### Guest Editors

Dr. Arcangelo Loss

Dr. Cledimar Rogério Lourenzi

Dr. Paulo Ademar Avelar Ferreira

Dr. Moreno Toselli

Dr. Gustavo Brunetto

### Deadline for manuscript submissions

closed (31 December 2021)



# Horticulturae

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## About the Journal

### Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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### Editor-in-Chief

Prof. Dr. Luigi De Bellis  
Department of Biological and Environmental Sciences and  
Technologies (DiSTeBA), Salento University, Lecce, Italy

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