

Special Issue

Potential Benefits and Risks of Organic Amendments to Soil Health

Message from the Guest Editors

Organic amendments (such as compost, sewage, crop residues, digestates from the anaerobic treatment of waste or biosolids) have been historically used in agricultural management as they represent one of the main sources of nutrients for plants. The application of amendments with different properties and agronomic potential guarantees the supply of macro- and micronutrients, necessary to not only increase crop productivity but also to restore soil health. On the other hand, the application of biomasses can be dangerous for human, animal and plant health, such as heavy metals, microplastics, potential human pathogens and emerging contaminants. In addition, the overuse of low-quality organic amendments can lead to excess nutrients (e.g., phosphorus, nitrogen), groundwater contamination, greenhouse gas emissions and soil acidification or salinization. This Special Issue welcomes manuscripts aiming to share any new knowledge related to the management of organic amendments in agriculture and its effect on soil health and crop productivity and quality.

Guest Editors

Prof. Gennaro Gennaro Brunetti

Department of Soil, Plant and Food Sciences, University of Bari, Via Amendola 165/A, 70126 Bari, Italy

Dr. Francesco De Mastro

Department of Soil, Plant and Food Sciences, University of Bari Aldo Moro, Via Amendola 165/A, 70126 Bari, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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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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