

Special Issue

Innovative Strategies for Sustainable Agriculture and Restoration of Degraded Soils

Message from the Guest Editors

Intensive farming and mining are worldwide drivers of soil, water, and atmospheric pollution. Thus, sustainable methodologies that help to preserve these fundamental non-renewable environmental resources must be implemented. This Special Issue will focus on the current research and latest advances in the field considering a wide spectrum of strategies. Topics of interest include (but are not limited to) the use of minerals (natural zeolites, struvite, etc.) or organic material (biochar, etc.) to promote the more efficient use of nutrients in agriculture (N and P) and to restore degraded soils, covering bio-geochemical and environmental aspects. Contributions may be focused on:

- Natural and synthetic sorbents: characterization; adsorption of pollutants; influence on mobility and leaching of target elements in soil and agricultural wastewaters.
- Use of geologic materials for crop protection.
- Strategies for mitigating GHG emissions from agricultural soils.
- Valorization and recycling of agricultural wastes.
- Examples of field and laboratory experiments.
- Effects of soil amendments on the nitrogen cycle.

Guest Editors

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