Special Issue

Conservation-Regenerative Agriculture for Sustainable Agroecosystems

Message from the Guest Editors

Around a third of the planet's soils are degraded. Practices like monocropping, excessive tillage, the overuse of fertilizers, and inadequate crop residue management diminish soil health.

Sustainable agriculture requires environmental, economic, and social sustainability. Conservation Agriculture (CA) achieves this via three principles: minimal soil disturbance, permanent soil cover, and crop diversification. Regenerative agriculture extends CA, incorporating livestock.

Conservation Agriculture (CA) and regenerative practices offer agronomic, environmental, economic, and social benefits. The benefits of these agrienvironmental practices include improvements in organic matter, soil structure, water retention, soil fertility, mitigation, and adaptation to climate change, biodiversity, and resilience, among others.

The focus of this Special Issue will be to bring together advances in the application of conservation-regenerative agricultural practices for a sustainable agricultural sector which stop and reverse soil degradation while supporting long-term productivity, environmental sustainability, and economic viability. Novel research, reviews, and opinions are welcome.

Guest Editors

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Message from the Editor-in-Chief

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