

Special Issue

Soil Health and Crop Management for Sustainable Agriculture

Message from the Guest Editor

The increasing population and reductions in the amount of land and other resources have created tremendous pressure on current agricultural producers to meet the increasing demand for food. To cope with this challenge, certain key inputs are overused. Intensive agricultural production without adherence to ecological sustainability has led to severe environmental problems. Thus, future efforts should aim for greater agricultural production within sustainable environments. Soil health is an inherent characteristic of soil. In modern agriculture, the excessive use of chemical fertilizers enhances soil degradation. Healthy soil ensures optimum moisture, provides a significant amount of beneficial microorganisms and optimum nutrients, lowers the levels of toxicity due to heavy metals and pesticides, increases plant productivity, and removes greenhouse gases from the atmosphere through sustainable agriculture. Maintaining soil health and following proper agronomic management practices may lead to sustainable agriculture, and it can be successful if all developed and developing nations stand together to produce more food with fewer environmental pressures.

Guest Editor

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