PHYSICAL ATTRIBUTES IN SOIL QUALITY FOR SUSTAINABLE SOIL MANAGEMENT

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Abstract

Soil is one of the most important natural resources and degraded due to intensive agricultural practices. Soil degradation decreases soil fertility with decreasing soil physical chemical and biological quality parameters. Management of physical soil quality parameters shapes the dynamic parts of soil chemical and biological quality. Basic physical soil quality indicators can be summarized as soil texture, soil depth, infiltration, bulk density, water holding capacity, aggregate stability and penetration resistance. Recycling organic wastes in agricultural fields is important to improve soil physical parameters as a part of whole soil quality. Evaluating soil physical behaviours helps to decision for basic agricultural practice or crop pattern in sustainable land management systems.

Keywords: Soil quality, physical indicators, organic waste