Special Issue

Soil Structural Degradation Evaluation in Sustainable Agroecosystems

Message from the Guest Editor

Soil is necessary to achieve sustainable production in agroecosystems. However, soil is being degraded by the abuse of tillage, herbicides, compaction, and biodiversity depletion due to non-sustainable land management practices. Within soil, its structure is a key component that can be used as a land degradation index. Within structure, aggregate size and stability have been used as key parameters to survey soil and ecosystem health. The water retention capacity of soil, soil erodibility, and soil crusts are also examples of structural soil characteristics, and they can be used to identify soil degradation processes. This Special Issue will focus on methods to survey soil structure and determine how soil structure is a tracer of land degradation. Any research with information about soil structure and soil management changes is welcome. Methodological approaches, modeling, and case studies are also welcome. Soil water behavior (soil water retention, soil erosion, runoff generation, etc.) related to the human impact on soil structure is a key topic for this Special Issue, with the aim to provide case studies and to determine how soil structure is affected by such behavior.

Guest Editor

Dr. Artemi Cerdà

Soil Erosion and Degradation Research Group, Department of Geography, University of Valencia, Blasco Ibàñez 28, 46010 Valencia, Spain

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Agronomy
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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