Special Issue

Tillage, Soil Management, and Field Traffic: Impact on Soil Physical and Mechanical Properties

Message from the Guest Editors

Soil tillage is a major mechanized operation causing soil physical changes. Soil management, including crop cover, rotation, and biological chiseling, has seen the development of significant strategies to improve soil physical qualities. However, a sequence of field traffic operations, including spraying, fertilizing, and harvesting, are part of a crop's schedule, and successive traffic operations may result in compaction. Strategies to mitigate the effect of tillage on the degradation of soil structure, interventions using soil management (cover crop, straw management, tillage systems, etc.), and field traffic control and stress-induced prediction are actions that still need to be implemented to maintain soil health. Thus, in this Special Issue, the submission of studies that identify major soil structure issues, new strategies for soil structure improvement, and actions to mitigate and model compaction are encouraged.

Guest Editors

Dr. Mario Monteiro Rolim
Department of Agricultural Engineering, Federal Rural University of Pernambuco, Recife 52171-900, PE, Brazil

Dr. Renato Paiva de Lima
Department of Soil Science, "Luiz de Queiroz" College of Agriculture, University of São Paulo, Piracicaba 13418-900, Brazil

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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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