Special Issue

Soil Sustainability and Fertility Enhancement

Message from the Guest Editor

Dryland soils cover more than 40 percent of the world's land area but support one-third of the world's population. By the end of the 21st century, global dry areas will grow by 10 to 23 percent, with dangerous consequences for food security, livelihoods and human well-being. The sustainable development of dryland soil agriculture and the improvement of soil fertility have become a hot global issue. Cropland's soil fertility has a profound impact on the sustainable development of global agriculture; soil fertility directly affects countries' food security. Barrier soils are widely distributed in this region, and the production potential of the typical barrier-soil types, influenced by the river sediment affected by groundwater movement and farming activities and form, has profound implications for local and global food security. This issue on Agricultural Soils will include interdisciplinary studies embracing agriculture with disciplines of new soil-improvement materials, soil-improvement technology, soil fertilization, and soil physico–chemistry. All types of articles, such as original research, opinions, and reviews, are welcome.

Guest Editor

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