

Special Issue

Smart Management of Sustainable and Conservation Agriculture

Message from the Guest Editors

Sustainable Agriculture (SA) allows us to achieve food security, maximizing socio-economic benefits and minimizing environmental drawbacks. Organic Agriculture (OA), Conservation Agriculture (CA), Integrated Agriculture (IA) and Integrated Pest Management (IPM)-based Agriculture can be considered SA applications. In particular, CA is widely acknowledged as a strategy to reduce the risks of erosion and nutrient loss, but it relies on a large use of agrochemicals. Applying CA techniques to system banning (OA) or reducing (IA, IPM) the use of agrochemicals and focusing on agroecosystem health and soil fertility improvement, could be a win-win strategy to build up regenerative systems. Sustainable CA systems leverage modern technologies, necessary to increase the use efficiency of land, water, fuel, fertilizer and pesticides and to enhance provisioning and supporting ecosystem services. We welcome original research, reviews, etc., covering all topics, submitting manuscripts related to these innovative systems, i.e., farm mechanization, precision, organic and conservation management and agroecological strategies.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

Prof. Dr. Leslie A. Weston

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