

Special Issue

Engineering of Smart Agriculture

Message from the Guest Editors

Modern agricultural production has two main tasks that now must coexist. The first is yield maximization in order to satisfy market needs, and the second is minimization of interference with the soil environment. One of the basic criteria of a balance between these tasks is the degree of soil biological improvement, the parameterization of which is an important issue in modern production systems. Among the innovative technologies that have been developed in the last few decades, precision agriculture can be considered the most important, which is considered to be an excellent tool for the development of sustainable agriculture and allows us to optimize production for present and future generations while taking into account economic, ecological, and social aspects. Modern farm and production technologies are monitored through the use of telematic systems and software that allow for real-time analysis and then simulation of the economic outcome of a given activity or process, which consequently leads to its optimization.

Guest Editors

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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