

Special Issue

IoT in Agriculture: Rationale, State of the Art and Evolution

Message from the Guest Editors

The advent of the Internet of Things (IoT) has brought about a paradigm shift in various sectors, and agriculture is no exception. The integration of IoT in agriculture, often referred to as smart farming or precision agriculture, has the potential to revolutionize the way we approach farming, leading to more efficient and sustainable agricultural practices. This Special Issue delves into the topic of the Internet of Things (IoT) in agriculture, focusing on its rationale, current state, and evolution. The evolution of IoT in agriculture is an ongoing process, with emerging sophisticated solutions and convergence with technologies such as AI, blockchain, and 5G. Despite progress, challenges such as high costs, data privacy, lack of standardization, and the digital divide persist. This Special Issue invites contributions exploring innovative IoT technologies, applications, strategies, and future directions in smart farming that aim to advance sustainable farming systems for the future.

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