

Research On Digitization in Agricultural Farms from Romania

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Abstract

In our study, we researched the scientific literature to trace the importance and application of farm digitization technologies in Romania, as well as the most important trends and results achieved in this field. In the current context of globalization and climate change, the development of the agricultural sector is essential to ensure sustainable food production and sustain national economies. In recent years, the digitization of farms has become an increasingly important topic for governments, producers and researchers in Romania, due to its impact on productivity, sustainability and competitiveness in the agricultural sector. Among the results of the research carried out, we can mention that the main impediment in the implementation of IoT technology is the lack of information, the main device used is the drone and for 90.2% of the respondents the use of IoT technology had a strong positive impact.

Keywords: Digital Agriculture, Digital Technologies, IOT, Artificial Intelligence.