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**Title: Digital Transformation in Agriculture and Food Systems**

**ABSTRACT**

The digital transformation of agriculture is reshaping global food systems by integrating advanced technologies such as the Internet of Things (IOT), Artificial Intelligence (AI), drones, sensors, and data analytics. These innovations enable precision farming practices that optimize resource use, improve crop yields, and reduce environmental impacts. At the same time, smart supply chain systems enhance food safety, transparency, and sustainability from production to consumption. By addressing challenges such as climate change, population growth, and food insecurity, digital agriculture plays a vital role in building resilient and sustainable food systems for the future***.***