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| **Author** | **Title** | **Year** | **Merits** | **Outcome** |
| Ravi Gorli | Future of Smart Farming with Internet of Things | 2017 | Business Insider's premium research service, predicts that IoT device installations in the agriculture world will increase | Smart ideas with improving the technologies replacing with smart applications (Automation) with the invention of Internet of things. |
| A. A. Raneesha Madushanki | Adoption of the Internet of Things (IoT) in Agriculture and Smart Farming towards Urban Greening | 2019 | analyse the incorporation of IoT for the development of applications in the agriculture and farming sectors | useful for researchers for finding new ways and solution to challenge in the current agricultural era and for agricultural and farming industries to make the automation process more effective and efficient, consequently, to obtain the good businesses outcome. |
| Emerson Navarro | A Systematic Review of IoT Solutions for Smart Farming | 2020 | the application of supplementary technologies to agricultural production techniques to help minimize waste and boost productivity. | usage in smart agriculture as a way to deal with challenges associated with traditional centralized cloud solutions such as high communication latencies, lack of support for real-time reaction to detected events, large bandwidths |
| Konstantinos Demestichas | Survey on Security Threats in Agricultural IoT and Smart Farming | 2020 | Logistic and qualitative traceability of food production combining decision making processes with real-time data for reducing the waste of inputs and overall costs; | To conclude, in order to characterize a new method or system as successful, it should be able to: (i) reduce costs; (ii) save time; (iii) increase trust; (iv) reduce risk. |
| Faris A. Almalki | A Low-Cost Platform for Environmental Smart Farming Monitoring System Based on IoT and UAVs | 2021 | This application is connected to several in-field sensors such as a water level sensor, temperature sensor, and a field weather station | Farmers are advised to consider various strategies such as spraying chemicals on plants during some seasons;  • Various plantings and quarterly grains are suggested;  • Estimate the amount of water needed to bring the soil to field capacity; • Farmers are advised to consider greenhouses to protect plants from high light intensity during summer;  • Adjust water irrigation using automated dripping and sprinkling based on environmental parameters;  • Using solar panels for powering the weather station leads to energy efficiency. |