# LITERATURE SURVEY

| S. No. | Title | Year | Author | Publication | Remarks |
|---|---|---|---|---|---|
| *1* | Green revolution in India | 2019 | Shiva, Vandana. | The livingheritage.org | Living heritage |
| *2* | Green Revolution Revisited | 2012 | Dutta, Swarup | The Contemporary Agrarian Situation in Punjab, India | Social Change |
| *3* | Modern agricultural practices and analysis of socio-economic and ecological impacts of development in agriculture sector, Punjab, India | 2014 | Sangha, Kamaljit Kaur | Indian Journal of Agricultural Research. | socio-economic and ecological impacts of development in agriculture sector |
| *4* | Green revolution: history, impact and future | 2012 | Jain, H. K | Studium Press LLC. | A brief history of modernisation of agriculture leading to The Green Revolution. A number of scientific discoveries and decisions by the policy makers had to come together for a breakthrough in the productivity of wheat and rice |
| *5* | Green Revolution: A Case Study of Punjab | 2014 | Sandhu, Jashandeep Singh | Proceedings of the Indian History Congress. | The Green Revolution was a period that began in the 1960s during which agriculture in India was converted into a modern industrial system by the adoption of technology |
| *6* | The Violence of the green revolution: Third World agriculture, ecology, and politics | 1991 | Shiva, Vandana | London ; Atlantic Highlands, N.J., USA : Zed Books ; Penang, Malaysia : Third World Network | The Seed and the Spinning Wheel: The Political Ecology of Technological Change. Responsibility |
| *7* | India Climate Dialogue | 2019 | Ruchika Singh | World Resources Institute, India | People are key to India's carbon sequestration vision- Sustainable Landscapes and Restoration program |
| *8* | Toward the Next Generation of Digitalization in Agriculture Based on Digital Twin Paradigm | 2022 | Abozar Nasirahmadi and Oliver Hensel | Sensors, Academic Editors: Dionysis Bochtis and Aristotelis C. Tagarakis | Digitalization has impacted agricultural and food production systems, and makes application of technologies and advanced data processing techniques in agricultural field |

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| | | | | | possible. Digital farming aims to use available information from agricultural assets to solve several existing challenges for addressing food security, climate protection, and resource management. |
| *9* | IoT-Based Smart Irrigation Systems: An Overview on the Recent Trends on Sensors and IoT Systems for Irrigation in Precision Agriculture | 2020 | Laura García,Lorena Parra,Jose M.Jimenez,Jaime Lloret,and Pascal Lorenz | Sensors | Water management is paramount in countries with water scarcity. This also affects agriculture, as a large amount of water is dedicated to that use. The possible consequences of global warming lead to the consideration of creating water adaptation measures to ensure the availability of water for food production and consumption |
| *10* | Smart Agriculture Robot | 2018 | M.ARUN,R.PRATHIPA,PRIYANKA S,AKSHAYA ANAND,CHANDRIKA N | International Journal of Pure and Applied Mathematics | Agriculture is an essential thing for survival of the humans and the farmers who do agriculture spend so much of time in ploughing the field and irrigating the field etc. The proposed system is a boon to farmers which combines the robotics with agriculture and capable of moving around the field like a farmer and plough the field and sow the seed in the pre-determined row and irrigate the field along the rows autonomously. |
| *11* | The Farmers' Portal, a farmer will be able to get all relevant information on specific subjects around his village/block /district or state | 2021 | Department of Agriculture & Cooperation and Farmers Welfare | Ministry of Agriculture and Farmers Welfare, Government of India. https://farmer.gov.in/ | Indian farmers are second to none in production and productivity despite of the fact that millions are marginal and small farmers. They adopt improved agriculture technology as efficiently as farmers in developed countries |