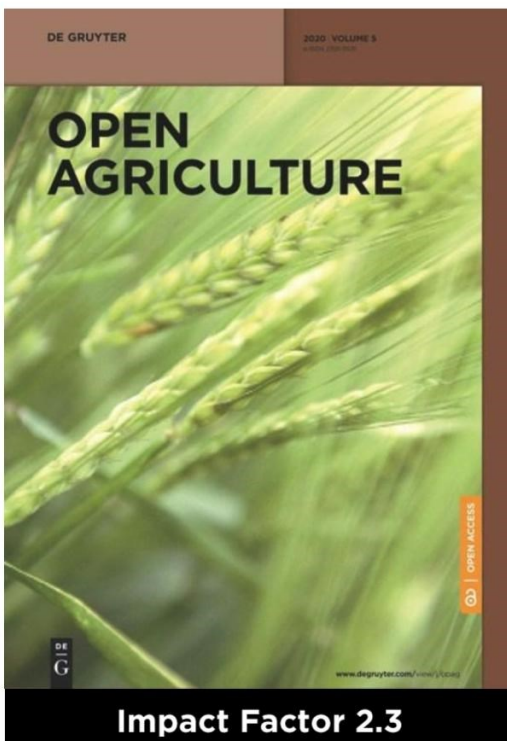


# SPECIAL ISSUE

## SMART AGRICULTURE SYSTEM FOR SUSTAINABLE DEVELOPMENT: METHODS AND PRACTICES



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### ANNOUNCING A SPECIAL ISSUE:

The agriculture system is the backbone of society throughout the globe and an important component of livelihood in many countries.

The growing population, climate change, and reduction of agricultural land has directly affected the food security in the last few years. It directly affects food and livelihood security for the burgeoning population in the whole world which may touch 9.1 billion by 2050. The agriculture system provides employment to more than 60 percent of the population.

The farm families are facing various challenges such as climate change, droughts, famines, hailstorms, pests, diseases, poverty among farmers, lack of resources, indebtedness, unawareness, etc. Due to such challenges, the farmer's socio-economic life is directly affected by the agrarian crisis.

There are several ways to deal with climate change's impacts on agriculture, such as breeding programs, nutrient management, seed priming, and other sustainable agricultural practices. The use of such advanced Agri systems is more suitable and effective for handling the existing problem of required food, and employment that also enhances the living and economic standard of farm families.

**The aim of this special issue is to provide knowledge, strategies, and methods about new innovative and smart farming practices that could increase crop production under the influence of in-advance prediction in climate change to ensure food security and deliver employment, food, and livelihood security in the area of agriculture, integrated farming system, sustainable development, recent technology, and effective utilisation of resources.**



**For this issue we offer 50% discount on the article processing charge**



**Submission Deadline:  
31.12.2024**

## Potential topics

This proposal invites original research articles on, but not limited to the following topics where **the use of intelligent technologies and intelligent systems tend to leverage data/analytics** in order to address the domain problems in one or more of different agriculture areas:

- Classification of seeds, plant, and cropping methodologies
- Methods, practices, and strategies for an advanced agricultural system
- Effective utilization of available resources
- Impact of Govt Policies and Schemes on Farm Families
- Integrated farming system and its application
- Identification, Knowledge, and Adoption of integrated farming system in an agricultural system
- Socio-economic growth and sustainable development
- Pest and water management
- Agroecosystem Services and Biological Control
- Strategies for Security and Nutritional Quality of Crop Species
- Digital Innovations in Agriculture and optimization techniques for agricultural systems



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