

CALL FOR PAPERS
JOURNAL OF INTEGRATIVE AGRICULTURE

//SPECIAL ISSUE//
DIGITALIZATION OF SMALLHOLDER AGRICULTURE

Digital technologies have the potential to significantly contribute to the sustainable transformation of agriculture by improving efficiency and productivity, reducing labor and chemical inputs, enhancing access to markets, and increasing farmers' income and welfare. To date, digital technologies are, however, still predominately applied to large-scale farming systems, particularly in industrialized countries. In smallholder and family farming systems, the adoption rates of digital technologies are still low, which is associated with the emergence of a digital gap in the agricultural sector.

Among smallholders, common technologies are predominantly digital communication and information technologies. More recently, field robots, drones, and other small farm machinery have become available through rental services. Despite potential benefits, constraints in finances and human capital might, however, generate a digital divide between remaining traditional smallholder producers and modernized commercial farms. There is an urgent need for policymakers and researchers to improve their understanding of the adoption and impacts of agricultural digitalization among smallholder farmers.

Journal of Integrative Agriculture (JIA) is organizing a special issue titled “Digitalization of Smallholder Agriculture – Drivers and Impacts of Digital Innovations” to contribute towards closing this gap. JIA, sponsored by the Chinese Academy of Agricultural Sciences (CAAS) and the Chinese Association of Agricultural Science Societies (CAASS) and published by Elsevier, provides a vibrant platform for researchers to disseminate discoveries to their peers. JIA is a Q1 journal and has an Impact Factor of 4.8.

Topics

Possible topics for the paper in the context of **digitalization in smallholder agriculture and family farming** include, but are not limited to the following:

1. Spread of digital technologies and the digital gap in smallholder systems.
2. Potential of digitalization to tackle fundamental resource constraints in smallholder agriculture, including the contribution of leap-frogging conventional mechanization.
3. Impact of digitalization on productivity, and the reduction of production risk
4. Determinants and drivers of digital innovation adoption in agricultural systems.
5. Analysis of relevant agricultural policies related to digitalization

We invite original research articles, reviews, and short communications that address any of the above themes.

Important dates

21st June, 2024
20th February, 2025

Call for papers
Submission deadline for full papers

Submission Guidelines

This special issue will strictly follow the editorial policy of JIA. All manuscripts must pass a rigorous peer-review process. Please format manuscripts according to the JIA journal guidelines.

All papers must be submitted online under the following link: http://www.chinaagrisci.com/Jwk_zgnykxen/EN/volumn/current.shtml. Submission titles should include the keywords "[SI_Digitalization]" before the actual title to distinguish themselves from other submissions, e.g., "[SI_Digitalization]_Your paper title".

For any questions on submission, please contact Dr. Lena Kuhn (kuhn@iamao.de) or Dr. Zhanli Sun (sun@iamao.de)

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