Concept Note for Special Issue on

Digitalisation in Postharvest Food Supply Chain

The JAEI Editorial Board is excited to announce a special issue on "Digitalisation in the Postharvest Food Supply Chain". We welcome submissions from interested authors and encourage them to contact the Special Issue Editors in advance. Submission of manuscripts for this special issue will be facilitated through the journal's online submission system. To ensure a smooth submission process, please refer to the submission checklist and formatting requirements available at: https://pub.isae.in/index.php/jae/submission-guidelines. Authors can submit their manuscripts using the following link: https://pub.isae.in/index.php/jae/login?source=%2Findex.php%2Fjae%2Fsubmission or by choosing the "Make a submission" option at https://pub.isae.in/index.php/jae/index. It is important to note that there are no page charges for publication in this journal. First-time authors should register for a login, while existing users can use their current login details. Once logged in, authors should select the Special Issue "Digitalisation in Postharvest Food Supply Chain" option for submission. If you encounter any difficulties during the submission process, please do not hesitate to contact the Guest Editor for assistance.

Aims and Scope:

The Special Issue on "Digitalisation in the Postharvest Food Supply Chain" explores how cutting-edge digital technologies are changing the way we handle food after it has been harvested. This edition aims to explore the transformative impact of technologies such as digital solutions, sensors and models on the different post-harvest operations like packaging, storage, processing, traceability, and overall food supply chain. Authors are encouraged to contribute research that investigates in reshaping postharvest food supply chain processes.

Focus of the Special Issue

This Special Issue (SI) will focus on engineering integrated digital technologies for providing comprehensive and innovative solution for post-harvest food supply chain. The integration of digital technologies such as AI, IOT, block chain etc using robotics, automated machines are the need of the hour to transform the post-harvest food supply chains.

Seeking contributions in following topics of interest.

- Digitalization of preharvest and harvest operations with aim of better post-harvest quality
- Digital technologies for assessment and prevention of food loss and waste
- Digital technologies for sorting and grading based image processing, spectroscopy and other non-destructive methods
- Data analytics and data driven management of food supply chains
- Modelling and simulation, digital twins for food storage and supply
- Blockchain, RFID and sensor networks for ensuring traceability, quality and safety
- Socio-economic aspects, consumer behaviour and technological challenges of implementing digitalization of food supply chains

Contributions on other aspects strongly relevant to above topics of interest are also welcome.

Important Dates

Manuscript submission: 15 July 2024

Reviews and Revisions: 31 October 2024

Publication: December 2024

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