



CALL FOR PAPERS

Special Session on “Application of Machine Learning and IoT in Agriculture”

Session Chair (s): Dr. Prabira Kumar Sethy, Sambalpur University, Jyoti Vihar, Burla, India. Email: prabirasethy@suniv.ac.in, Mobile No. 9439489214

Theme of Session:

With the population boom, there is a rapid increase in the demand for food and agricultural stocks and cultivation process to improve yield, cost-effectiveness, and quality of crops/agricultural products being produced with new technology such as the Internet of Things (IoT) and Artificial Intelligence. There is a need to increase yield, effectiveness and enhanced production of land per unit area taken under deliberation. It is necessary to embrace new technologies to overcome these problems. There are various benefits associated with the enactment of new technologies which include: increased productivity, proper crop distribution, Crop pattern suggestion, proper utilization of resources such as Fertilizers and manures using the technique of Automation and AI model. The main aim of the proposed Special Issue is to promote research and reflect the most advanced technology like machine learning, Deep learning, IoT and Embedded System for monitoring and controlling the farm field.

Topics of Interest:

We invite original (un-published) research contributions based on the above-mentioned theme including following topics **but not limited to**:

1. Crop diseases detection, identification and quantification.
2. Mineral status estimation.
3. Yield prediction.
4. Application of prototype for harvesting and post-harvest management of crop.
5. Soil, water, light, humidity, temperature management.
6. Specialized software solutions that target specific farm types or use case agnostic IoT platforms
7. Autonomous tractors, processing facilities, etc.
8. On-tree fruit detection, maturity status and size estimation.
9. Quality of fruit prediction.
10. Automatic application of pesticides, fertilizers and temperature control through air cooler.



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Paper Submission Process:

Please submit your paper (in word/pdf format) at

email: prabirasethy@suniv.ac.in

with '**Application of Machine Learning and IoT in Agriculture**' mentioned in the subject line.

Last Date for Submission: March 01, 2021.

Notification of Acceptance: May 01, 2021.

For more details, please visit: <https://www.ficta.org/>

Program Committee:

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For any further queries related to this special session, please contact the session chairs at:

E-mail ID: prabirasethy@suniv.ac.in

Mobile No.: +91-9439489214