



Special Issue Announcement - Call for Papers

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Title: Edge Intelligence for Internet of Things – Algorithms, Architectures and Applications

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About the Journal

The Journal titled "*Journal of Innovation Sciences and Sustainable Technologies* (JISST)" is in Vogue since 2021 (www.jisst.com). This journal is created to disseminate innovative research under the Make in India initiative. One of the main objectives of this journal is to promote innovation in Science & Technology in the younger generation researchers and students by fostering greater unification among several disciplines of Science, Engineering and Technology, Medicine, Social Sciences, and Finance. This activity relates to the encouragement of scientific research that focuses on problems of contemporary societal concerns and their solutions, leading to the development of sustainable technologies solely to better the lives of mankind across the globe. This journal has been registered with several indexing, reviewing, and Social Science (SS) agencies. JISST is completely peer-reviewed, multidisciplinary, and unique in nature and supports open-access research. JISST has completed four years of publication and has published four volumes, each containing four issues. Numerous articles featured on www.jisst.com have garnered acclaim from the research community, with some even catalysing the inception of startups that leverage the methodologies and technologies elucidated in JISST. This Journal has published a few special issues on contemporary societal challenges.

Now this journal proposes to publish a special issue on ***Edge Intelligence for Internet of Things – Algorithms, Architectures and Applications***.

Scope:

The convergence of Internet of Things (IoT) with Artificial Intelligence (AI) at the edge has opened new frontiers for intelligent, responsive and privacy-aware systems. This special issue invites high-quality original research and review articles that explore novel algorithms, hardware-software co-designs, and applications that enable efficient Edge Intelligence in IoT ecosystems. We aim to cover innovations that reduce latency, enhance autonomy, ensure security, and enable real-time decision-making in diverse IoT domains including smart cities, health care, industrial automation, and beyond. Submit articles through www.jisst.com. **Closing Date:** November 15, 2025.

Topics of Interest:

- Edge AI algorithms for resource-constrained IoT devices
- Federated learning and collaborative intelligence in IoT
- Real-time data analytics at the edge
- Lightweight deep learning models for edge deployment
- Energy-efficient edge architectures and processors
- Security and privacy in edge-enabled IoT systems
- Use of TinyML in embedded IoT systems
- Hardware acceleration for AI on edge devices
- Edge computing for time-critical IoT applications (e.g., disaster response, health-care)
- Applications of edge intelligence in smart cities, Industry 4.0, transportation, and agriculture

The scope of the special issue is not limited to the above-mentioned topics and papers related to other areas of IOT are also welcome.

The main goal of the submitted articles is to bring a privileged level of understanding to both academia and industry on issues and topics that reflect societal concerns and may not usually be readily and easily accessible either to academia or practitioners of interdisciplinary research.
