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IEEE SENSORS JOURNAL
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Call for Papers

Special Issue on Sensors for Sustainable Future

Sensors have applications in almost every industry vertical, with highest usage in consumer electronics, by automotive, IT and telecom. They are also instrumental for advances in areas such as agroforestry, aquaculture, environment monitoring, and digital agriculture etc. which closely relate to the 17 sustainable development goals (SDGs). Thus, the growing presence of sensors is bringing benefits in many ways and helping to overcome global challenges. At the same time the sensor technology may be impacting environment, particularly if the technology and materials that used for sensor fabrication are not eco-friendly. In this regard, there is growing realisation for transitioning towards circular and sustainable electronics, design of materials, using easily available materials and developing resource efficient manufacturing processes. The special issue (SI) covers all aspects related to sensor development and usage that contribute to low carbon emissions and environmental footprint. The sensor applications contributing towards net-zero goals are also within the scope of this special issue. Thus, this Special Issue will offer the authors a timely opportunity to submit their work on the theoretical, technological, experimental and application aspects of various types of sensors. Some of the indicative topics for this SI are given below.

Topics

- Bioderived materials
- Plant-e-tronics
- Printed Electronics
- Circular Electronics
- Transient Electronics
- Green Sensors and Electronics
- Sensors for health monitoring
- Sensors applications for SGDs
- Sensors and interfaces designed for sustainability
- Resource efficient manufacturing
- Eco-friendly batteries and energy harvesters
- Printable batteries, energy harvesters
- Wearables for global health
- Sensors for food security (e.g., sensor practices to reduce post-harvest loss)
- Smart tags from eco-friendly materials (less use of precious metal)
- Life cycle analysis
- Environement Monitoring
- Smart Packaging
- Sensing for Clean water
- Digital and Precision Agri/aquaculture (e.g., using transient sensors)
- Sensors in disaster management
- Efficient processing of data

Important dates (tentative)

Sept 1, 2023:	Deadline for Paper Submission
Nov 30, 2023:	Completion of First Review
Feb 29, 2024:	Completion of Final Review
April 2024:	Publication

Upon acceptance papers appear as Early Access (preprints) in IEEExplore and are fully citable.

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Submission and Peer Review of Papers

All papers shall undergo the standard IEEE Sensors Journal peer-review process. Manuscripts must be submitted online, via the *IEEE Manuscript Central*™, see http://mc.manuscriptcentral.com/sensors. When submitting, please indicate in the "Manuscript Type" roll down menu that the paper is intended for the "Sensors for Sustainable Future" Special Issue. Authors are particularly encouraged to **suggest names of potential reviewers** for their manuscripts in the space provided for these recommendations in *Manuscript Central.* For manuscript preparation and submission, please follow the guidelines in the *Information for Authors* at the IEEE Sensors Journal web page, http://www.ieee-sensors.org/journals