

Call for Papers

Special Issue on Circular, Sustainable, and Green Electronics

The scope of this Special Journal Issue includes original manuscripts on functional and sustainable materials, fabrication strategies, electronic devices and applications, for environmentally friendly and recyclable electronics. Authors are invited to submit papers on the theoretical, technological and experimental aspects concerning methods and approaches to minimize the use of toxicants and non-recyclable materials, energy-demanding protocols and electronics waste at the end of device lifecycle.

Topics (to be amended by Guest Editors)

- Sustainable Smart Systems
- Hybrid Systems-in-Foil
- Green Electronic textile/skin
- Cellulose/Paper based electronics
- Flexible/Printable Electronics in context with Circular Economy
- Recyclable and Green Sensors and Electronics
- End-of-life strategies for Devices and Systems
- Organic/Inorganic/Hybrid Sustainable Electronics
- Green batteries, energy harvesters
- Wearable and biocompatible sensors
- Sensors for health monitoring
- Printable displays, lighting sources
- Sustainable packaging
- Techniques for low-carbon footprint
- Strategies for electronics waste (e-waste) reduction
- Smart tags, RFID tags, etc.
- Modeling of printable sensors
- Manufacturing Techniques (including Printing)
- Emerging Materials for Circular and Printable Systems
- Sustainable, Artificial and low-cost Materials
- Sustainable Materials
- Additive Processing and 3D printing
- Life Cycle Analysis (LCA)

Important dates (tentative)

February 2024:	Call for Papers (to appear in IEEE Journal on Flexible Electronics)
June 2024:	Deadline for Paper Submission
August 2024:	Completion of First Review
October 2024:	Completion of Final Review
November 2024:	Publication

Guest Editors

Giuseppe Cantarella
University of Modena and Reggio Emilia
Italy
Email: giuseppe.cantarella@unimore.it

Sara Carniello
Joanneum Research
Forschungsgesellschaft
Austria
Email: sara.carniello@joanneum.at

Shree Prakash Tiwari
Indian Institute of Technology Jodhpur
India
Email: sptiwari@iitj.ac.in

Submission and Peer Review of Papers

All papers shall undergo the standard IEEE J-FLEX peer-review process. Manuscripts must be submitted online, via the *IEEE Manuscript Central*TM, see <https://mc.manuscriptcentral.com/jflex>. When submitting, please indicate in the “Manuscript Type” roll down menu, and also by e-mail to Mansi Kukreti, m.kukreti@ieee.org, that the paper is intended for the “**Circular, Sustainable, and Green Electronics**” 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 J-FLEX web page, <https://ieee-jflex.org/guidelines-for-authors/>.