



IEEE Journal of Microwaves

Expanding science, technology and connectivity across the globe

Announcing a new Special Issue:

MICROWAVES IN CLIMATE CHANGE

Initial Manuscript Submission Deadline: July 1st, 2024

Based on feedback from our special series article, "**Making Waves: Microwaves in Climate Change**," the **IEEE Journal of Microwaves** is putting together a full special issue on this extremely prescient topic area. Microwave devices, instruments, systems, measurements, applications, and data analysis provide enabling technology and science retrieval in areas related to climate tracking, atmospheric chemistry and evolution, alternative energy development, efficient generation and usage of non-fossil-based fuels, waste conversion, electrification, transportation management, and every sector of the society relying on communications.

We are soliciting articles on the following topics as well as entertaining alternative suggestions from interested contributors:

- Active and Passive Microwave Remote Sensing
- Microwave Heating
- Microwave Generation of Alternative Fuels and Catalysts
- Microwave Power Beaming
- Microwave Energy Harvesting
- Microwaves in Fusion and Energy Generation
- Low-Loss Microwave Transmission
- Microwaves in Waste Management
- Microwave Assisted Chemistry
- Microwaves in Geophysics
- Microwave Data Analysis for Climate Research
- Microwave Tracking for Habitat Assessment and Animal Science
- Microwave Resource Monitoring
- Other topics related to climate science and relevant resource monitoring

If you have a particular idea or topic you would like to contribute, please contact Peter Siegel, JMW Editor-in-Chief (phs@caltech.edu).

The deadline for submission of initial manuscripts is Monday, **July 1st, 2024**. Final upload of accepted paper proofs is **September 1st, 2024**. All production ready manuscripts will be posted on IEEE Xplore Early Access and will appear in final paginated sequence in the Special Issue – scheduled for final release in October 2024.

Manuscripts should be formatted and submitted using the instructions, templates, and links that can be found at: <https://mtt.org/publications/journal-of-microwaves/manuscript-submission/>.

Contributed papers should be targeted at ten pages but review and special invited papers can be longer. All submissions will be reviewed in accordance with the normal procedures of the journal. Please tag uploaded papers as "Special Issue" through our [Author Portal](#).

We hope you will consider contributing to this Special Issue of IEEE Journal of Microwaves and continue to support the journal through your regular research submissions.