



# Read & Publish Bioelectromagnetics

**Bioelectromagnetics** is an internationally significant journal specializing in reporting original data on biological effects and applications of electromagnetic fields, ranging in frequency from zero hertz (static fields) to the terahertz and visible light. The official journal of The BioEM society, published by Wiley-Liss Inc.

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# Our Current Call For Papers

## Special Issue on Neurostimulation

### The topics covered by the issue include, but are not restricted to:

- Invasive and minimally invasive techniques (DBS, microelectrode array technologies, epidural implants)
- Non-invasive techniques (TMS, tDCS/tACS, functional magnetic stimulation)
- Computational modeling of neurostimulation (biophysical modeling, multiscale modeling, validation)
- Safety of neurostimulation (patient safety, occupational safety)

### Special Issue Guest Editors:

- Prof Alvaro Pascual-Leone, Director of the Berenson-Allen Center for Noninvasive Brain Stimulation, Harvard Medical School, USA
- Dr Esra Neufeld, Associate Director, IT'IS Foundation, CH

## Special Issue on assessment of exposure of humans to 5G and 6G technologies

### Experimental and numerical dosimetry for 5G and 6G

- Exposure assessment of mm-Wave and (sub-) THz networks and devices
- Characterization of fields and absorptions due to massive MIMO, cell-free MaMIMO or distributed MIMO
- 5G and 6G wireless network optimization for minimal environmental exposure
- Influence of Advanced Antenna Systems and beamforming on electromagnetic fields
- Numerical and experimental assessment of exposure of mm-wave 5G and 6G technologies in terms of absorbed power density, specific absorption rate, and incident fields
- In-situ assessment of 5G-NR MaMIMO fields due to both FR1 and FR2 systems
- Dosimetry to characterize the impact of 5G-NR FR2 signals on existing realistic exposure
- Exposure monitoring of 5G and legacy technologies in real-life scenarios
- General public and occupational exposure assessment for 5G and 6G

### Special Issue Guest Editors:

- Niels Kuster, Foundation for Research on Information Technologies in Society (IT'IS), CH
- Azadeh Peyman, UK Health Security Agency, UK
- Yasir Alfadhli, Queen Mary, Univ. of London, UK
- Wout Joseph, Ghent University-IMEC, B

**Deadline for submission:**

March 31st, 2024

**Deadline for submission:**

June 30th, 2024



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