



Newsletter No. 82

Bioelectricity – the official journal of the ISEBTT

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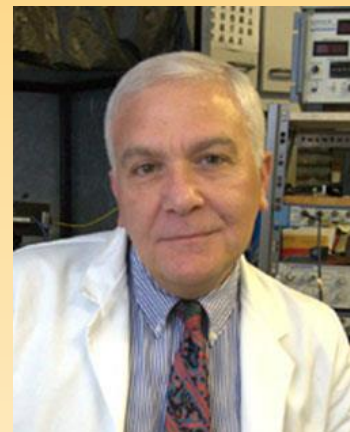
It is with enormous pleasure that we have formally launched the special relationship between ISEBTT and [Bioelectricity](https://tinyurl.com/bioelectr) (<https://tinyurl.com/bioelectr>). Put simply, Bioelectricity now is an official journal of ISEBTT. The two entities have a lot in common. The journal's primary mission is to promote in-depth understanding and broadest applications of bioelectricity in all walks of life. The journal was set up in 2019 and from day one it has been performing at twice the level expected for a publication of its kind.

Bioelectricity is published 4 times a year and covers all aspects of pure and applied aspects of bioelectricity from the very basic cellular / molecular mechanisms to engineering, industrial, and medical issues. Some subtopics include (but are not restricted to) bioelectric mechanisms; cellular signalling; electrophysiology; ion channels, exchangers, pumps; macromolecular complexes; channelopathies (including cancer); bioelectric fields; development; regeneration; immunity; microbiology; plants; senescence; practical applications in bioengineering, bioelectronics, biosensors, medical and biomedical devices; electropharmaceuticals; electroceuticals; nanotechnology; regenerative medicine; synthetic biology; tissue engineering; transplantation; optogenetics; imaging; microbial fuel cells; simulation software and mathematical models;

electroporation/electropermeabilization/electrotransfer in biology and medicine; and electroporation/electropermeabilization/pulsed electric fields in plants, food industry and environment-related industries. The journal is entering its 5th volume. Please see past issues (<https://tinyurl.com/bioel-past>) to get a better idea of the kinds of contents published to date.

Often, every other issue is 'special', organized by guest editors. To date, we have had special issues on topics like Bioelectricity of Cancer, Connective Tissue Cells, Tumour Microenvironment, Microbial Electrophysiology, Methodology of Research and Applications of Electric Fields, Electrically Charged Biomaterials for Drug Delivery and Tissue Repair, and Practical Applications of Bioelectric Stimulation.

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**9th School on Pulsed Electric Field
Applications in Food and Biotechnology**
Vienna, Austria 4 – 8 September, 2023



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Bioelectricity is already indexed in PubMed Central, Web of Science Emerging Sources Citation Index (ESCI), Scopus, Biological Abstracts, BIOSIS Previews, and BenchSci. It received its first SiteScore (2.2) last year. It will receive its first Impact Factor later this year.

The journal does not charge for handling manuscripts or colour print. There is cost only 'open access'. As well as the usual categories of article (primary research, review, mini-review, commentary, meeting report etc), we have a number of unique types of article. One is what we call "My Experiments in Bioelectricity"! These are written by senior people in the field by invitation. The idea is to summarize 6-7 of the key conceptual experiments they performed during their distinguished careers mixed with anecdotes (the kinds of stories / experiences, those 'eureka' moments that would not be known in the field generally). Another unique type of article in a series is the "Bioelectricity Buzz"! Here, our media editor Professor Rajnicek (University of Aberdeen) compiles 8-10 interesting papers involving bioelectricity published in other journals around the world. The senior authors of these papers get an email to indicate that their papers have been highlighted in the journal in this way. They can also ask for a hard copy of the journal, if they like.

In terms of benefit to members of ISEBTT, the following have already been agreed:

- Access to full papers published in Bioelectricity.
- A Travel Award of \$750 to support the participation of a young investigator at the biennial ISEBTT meeting.
- Special representation on the Editorial Board. Following the recommendation of the ISEBTT Council, the following have already been appointed: James Lyng, Emanuela Signori (Associate Editors), Matej Kranjc, Muriel Golzio, Felipe Maglietti, Gianpiero Pataro and Nadia Boussetta (in no specific order).

It is likely that more will follow.

We look forward to many years of fruitful collaboration with all members of ISEBTT. In particular, we would welcome submissions of papers in any category and suggestions for guest-editing of special issues on interesting topics.

Mustafa Djamgoz, PhD and Michael Levin, PhD
Co-Editors-in-Chief, Bioelectricity

Forthcoming events

6th Veterinary workshop on electroporation-based treatments

Ljubljana, April 25 – 26, 2023

<https://www.electroporation.net/event/6th-veterinary-workshop/>

17th interdisciplinary postgraduate course and international workshop Electroporation Based Technologies and Treatments (EBTT)

Ljubljana, November 12 – 18, 2023 (on-site and on-line event)

<http://www.ebtt.org>

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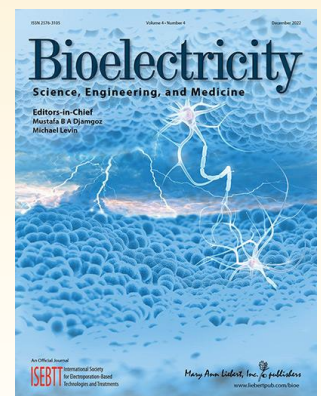
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