

# BIOELECTROMAGNETICS

Journal of the Bioelectromagnetics Society

## Instructions for Contributors

**SCOPE:** BIOELECTROMAGNETICS is a journal devoted to communicating research studies on the interactions of biological systems with electromagnetic fields. The Journal will publish original theoretical, experimental, and clinical reports that will contribute to a more complete understanding of the interactions of an electromagnetic environment with biological systems. Aspects of the electromagnetic spectrum from the static condition to visible light will be covered. The Journal will consider articles describing research on such topics as the response of biological systems to electromagnetic environments; mechanisms of interaction of biological systems, or models of such systems, with electromagnetic fields; absorption and distribution of electromagnetic energy within biological systems; diagnostic and therapeutic uses of electromagnetic fields or radiation; ecological effects of electromagnetic radiation.

The primary criteria for publication are scientific quality and originality. Papers not sufficiently substantiated by experimental detail or theoretical methodology will not be published. Articles must report complete findings of original research. They should be as brief as completeness will permit. The Journal will not publish preliminary notes or other short communications, such as letters. Timely, critical discussions of current research developments that should be of interest to scientists in the bioelectromagnetic field will be published from time to time; prospective authors are invited to consult the editor before submitting such manuscripts.

**MANUSCRIPTS** and all editorial correspondence should be sent by first-class mail, or by air, to the editor: Dr. Elliot Postow, BIOELECTROMAGNETICS, Building 142, National Naval Medical Center, Bethesda, MD 20014, USA. Manuscripts must be in English. All copies must be typewritten, double spaced, on one side of the paper only, and have 3 cm margins throughout. Begin each section at the top of a new page. Number all pages in sequence beginning with the title page. The first author's surname and the page number should appear in the upper left corner of each page. Authors are encouraged to secure an independent critique of their manuscript by one or more colleagues, who are not coauthors, before submission. This will ensure a more readable paper and more rapid editorial processing.

Submit one original and two good-quality copies of all elements arranged in the following order:

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**ABSTRACT:** This must be a factual condensation of the entire work, including a statement of its purpose, a clear description of the major findings, and a concise presentation of the conclusions. It must give a complete account of the work and be intelligible without reference to the paper. Do not cite references in the abstract. The abstract should not exceed 300 words.

**KEY WORDS:** Supply a list of three to eight words or short phrases that will adequately index the subject matter of the article. Proprietary terms and abbreviations should not be used.

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#### Journal Articles

Bawin SM, Adey WR (1976): Sensitivity of calcium binding to weak environmental oscillating low frequency electric fields. Proc Natl Acad Sci USA 73:1999-2000.

Johnson CC, Guy AW (1972): Non-ionizing electromagnetic wave effects in biological materials and systems. Proc IEEE 60:692-718.

Basset CAL, Pawluk RJ, Pilla AA (1974): Augmentation of bone repair by inductively coupled electromagnetic fields. Science 184:575-577.

#### Books

Lin JC (1978): "Microwave Auditory Effects and Applications." Springfield: Charles C Thomas.

#### Chapters in Books

McLees BD, Finch ED (1973): Analysis of reported physiological effects of microwave radiation. In Lawrence JH, Gofman JW (eds): "Advances in Biological and Medical Physics" Vol 14. New York: Academic, pp163-223.

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