



# BIOCYBERNETICS AND BIOMEDICAL ENGINEERING

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### DESCRIPTION

*Biocybernetics and Biomedical Engineering* is a quarterly journal, founded in 1981, devoted to publishing the results of original, innovative and creative research investigations in the field of **Biocybernetics** and **biomedical engineering**, which bridges mathematical, physical, chemical and engineering methods and technology to analyse physiological processes in living organisms as well as to develop methods, devices and systems used in biology and medicine, mainly in medical diagnosis, monitoring systems and therapy. The Journal's mission is to advance scientific discovery into new or improved standards of care, and promotion a wide-ranging exchange between science and its application to humans. *Biocybernetics and Biomedical Engineering* encourages contributions on all aspects of research and developments in: **biosystems**, including **biomedical modeling; cell and tissue engineering for repair medicine; biomeasurements**, including **biosignal processing and biosensing systems; artificial and hybrid (bioartificial) organs; biomaterials; biomechanics and rehabilitation**, including **orthopedics and sports medicine; medical information systems and neuronal networks; information and communication technologies in medicine**, including **brain-computer interfaces; medical imaging**, including brain **functional magnetic resonance imaging (fMRI); bioinformatics**, including **genome analysis; and medical physics**.

The journal welcomes original research articles, reviews and short communications.

*Biocybernetics and Biomedical Engineering* (BBE) is the official journal of the [Nalecz Institute of Biocybernetics and Biomedical Engineering of the Polish Academy of Sciences](#).

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Examples:

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[1] Paivio A, Jansen B, Becker LJ. Comparisons through the mind's eye. *Cognition* 1975;37(2):635-47.

*Reference to a book:*

[2] Letheridge S, Cannon CR, editors. *Bilingual education: teaching English as a second language*. New York: Praeger; 1980.

*Reference to a chapter in an edited book:*

[3] Strunk Jr W, White EB. *The elements of style*. 3rd ed. New York: MacMillan; 1979 [chapter 4].

*Reference to a conference:*

[4] Douglass F, Ball Th. Tracking and viewing changes on the web. In: Proc. 1996 USENIX technical conference; 1996.

Reference to a dataset:

[dataset] [5] Oguro M, Imahiro S, Saito S, Nakashizuka T. Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1; 2015. <http://dx.doi.org/10.17632/xwj98nb39r.1>.

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