

Biomedizinische Technik / Biomedical Engineering: Instructions for authors

Scope

Biomedizinische Technik / Biomedical Engineering (BMT) is a high-quality forum for the exchange of knowledge in the fields of biomedical engineering, medical information technology and biotechnology/bioengineering. As an established journal with a tradition of 50 years, *BMT* addresses engineers, natural scientists, and clinicians working in research, industry, or clinical practice. Subject areas are: Diagnostic imaging → image processing, biosignal processing, modelling and simulation, biomechanics → information and communication in medicine, telemedicine and e-health → surgery, minimum invasive interventions, endoscopy and image guided therapy → diagnostic and therapeutic instrumentation, clinical engineering → micro- and nanosystems in medicine, active implants, biosensors → neuroengineering, neural systems, rehabilitation and prosthetics → biomaterials, cellular and tissue engineering, artificial organs → biomedical engineering for audiology, ophthalmology, emergency and dental medicine → general subjects (e.g., education and training, health technology assessment) → special topics (e.g., linking proteomics and genomics with biomedical engineering, emergency medicine).

As of volume 51 (2006), *Biomedizinische Technik/Biomedical Engineering (BMT)* is published in six issues/year, with one issue being reserved for the Annual Congress of the German Society for Biomedical Engineering (DGBMT). On a regular basis, the DGBMT magazine *Health Technologies* is inserted in *BMT*.

Editorial policy

BMT publishes reviews, research articles, short communications, case reports, letters to the editor, and book reviews. Manuscripts may be submitted in German or English language. Submissions must be original in that the information is not copyrighted, published or submitted elsewhere, except in abstract form. Scientific originality should be demonstrated by a contribution to knowledge beyond the confirmation state.

Each manuscript should be accompanied by a cover letter containing a brief statement by the authors as to the element of novelty upon which they base their request for publication in *BMT*. The authors may indicate the names, full postal addresses, telephone and fax numbers, and e-mail addresses of four impartial potential peer reviewers.

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3. The authors must describe safeguards to meet standards of ethical conduct of research (e.g., approval of research protocols by institutional committees). Where applicable, authors must confirm in writing that they have complied with the World Medical Association Declaration of Helsinki regarding ethical conduct of research involving human subjects and/or animals.

Each Editor of the journal takes the ownership of a manuscript that matches his professional expertise. Each submission (except book reviews) is reviewed by at least two independent experienced reviewers. The Editors are responsible for all decisions regarding publication. On the average, (first) decisions will be reached within four weeks of submission. When papers are accepted subject to revision, the revised manuscript must be returned within 12 weeks (research articles, reviews) respectively 6 weeks (short communications, case reports, letters to the editors) after the author has been notified of the decision.

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General format and length

Manuscripts (including table legends, figure legends and references) should be typed double-spaced with font size 12 letters. Pages should be numbered (with the title page as 1) and have margins of 2.5 cm (1 inch) on all sides. Footnotes in the text should be avoided; parentheses should be used instead. Research papers and reviews should occupy no more than eight printed pages, short communications, case reports should not exceed five printed pages, letters to the editor should not exceed two printed pages. Each full page of printed text corresponds to approximately 1400 words. Please allow sufficient space for tables and illustrations within the page limit.

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If the manuscript is in German language, Title, Abstract, and Keywords must also be provided in English language. If the manuscript is in English language, Title, Abstract, and Keywords must also be provided in German language. Non-English speakers are strongly encouraged to have their English manuscripts checked by a native (English) speaker before submission.

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Research articles should be organised into Title page, Abstract, Keywords, list of non-standard abbreviations, Introduction, Materials and methods, Results, Discussion, Acknowledgements, References, Tables and Figure legends.

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The Title page should include (a) a short and informative full article title (series titles are not accepted); (b) names of all authors (with one forename in full for each author), followed by their affiliations (department, institution, city with postcode, country); (c) the mailing address, fax and phone number and e-mail address of the corresponding author; (d) a running title of 50 characters or less. If there is more than one institution involved in the work, authors' names should be linked by superscript consecutive numbers to the appropriate institutions. If required, small superscript letters should be used to indicate present addresses.

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All non-standard abbreviations should be listed alphabetically, (e.g.: DIN, dissolved inorganic nitrogen;) after the keywords. In the text body, abbreviations are spelled out at first mention. Thereafter, only these abbreviations are to be used.

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Acknowledgements

Acknowledgements should be placed at the end of the text. Names of funding organisations should be spelled out in full.

References

The Reference list at the end of the manuscript should be in alphanumerical order (see samples below). In the text body, please quote only the respective reference number in square brackets, e.g., [1], [1, 2, 9–11] etc.

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[Ref. no.] Eisen HN. Immunology: an introduction to molecular and cellular principles of the immune response. 5th ed. New York: Harper and Row 1974.

Institutional publications:

[Ref. no.] Institute of Medicine (US). Looking at the future of the Medicaid program. Washington: The Institute 1999.

Chapters in books:

[Ref. no.] Weinstein L, Swartz MN. Pathogenic properties of invading microorganisms. In: Sodeman WA Jr, Sodeman WA, editors. Pathologic physiology: mechanisms of disease. Philadelphia: WB Saunders 1974: 457–472.

Articles in journals with up to 6 authors:

[Ref. no.] Ge Q, Filip L, Bai A, Nguyen T, Eisen HN, Chen J. Inhibition of influenza virus production in virus-infected mice by RNA interference. Proc Natl Acad Sci USA 2004; 101: 8676–8681.

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