



Biogeochemistry
an international journal

Instructions for authors

Editor-in-Chief

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Aims and scope

Biogeochemistry will publish original papers dealing with biotic controls on the chemistry of the environment, or with the geochemical control of the structure and function of ecosystems. Papers may consider the cycles either of individual elements or of specific classes of natural or anthropogenic compounds in ecosystems. Papers which address the interactions of element cycles are particularly encouraged. Studies concerning global aspects of biogeochemistry, such as the global carbon or sulfur cycles, are also welcome. Studies on both artificial and natural ecosystems are appropriate, providing they contribute to a general understanding of biogeochemistry. Papers reviewing important topics within the field of biogeochemistry will be considered.

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For the purpose of reviewing, articles for publication should be submitted as hard-copy printout (4-fold) and on diskette to:

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Manuscript presentation

The journal's language is English. British English or American English spelling and terminology may be used, but either one should be followed consistently throughout the article. Manuscripts should not exceed 10–15 pages of printed text, including references, tables and figures (one page of printed text equals about 400 words). Manuscripts should be printed or typewritten on A4 or US Letter bond paper, one side only, leaving adequate margins on all sides to allow reviewers' remarks. Please double-space all material, including notes and references. Quotations of more than 40 words should be set off clearly, either by indenting the left-hand margin or by using a smaller

typeface. Use double quotation marks for direct quotations and single quotation marks for quotations within quotations and for words or phrases used in a special sense.

Number the pages consecutively with the first page containing:

- running head (shortened title)
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Key words

Please provide key words or short phrases (maximum of 6), in alphabetical order, suitable for indexing.

Abstract

Please provide a short abstract of 100 to 250 words. The abstract should not contain any undefined abbreviations or unspecified references.

Abbreviations

Abbreviations should be arranged alphabetically. Only SI units and abbreviations should be used. Abbreviations should be explained when they first appear in the text. Whenever in doubt use SI (Système International d'Unités).

Article types

Biogeochemistry welcomes general research and review articles and short communications. A book review section has also been established and publishers are requested to submit review copies to the Editor-in-Chief. A brief section on news and notes in biogeochemistry may be included in selected issues.

General papers describing original research generally should not exceed 10 to 15 pages of printed text, including tables, figures, and references (one page of printed text equals about 400 words).

Review papers should not exceed 25 pages of printed text, including tables, figures, and references. In scheduling manuscripts for publication, preference may be given to original research reports.

Short communications should not exceed 2–5 pages. They should be short reports in which a limited amount of new information is presented.

News and notes will be printed when appropriate. The Editor-in-Chief reserves the right to edit these. Letters to the Editor may also be printed in this section when appropriate.

Nomenclature

Chemical and biochemical

- Names of chemical compounds follow the *Chemical Abstracts* (Chemical Abstract Service, Ohio State University, Columbus) and its indexes.
- Biochemical terminology, including abbreviations and symbols, follows the recommendations of the SUPAC-IUB *Commission of Biochemical Nomenclature*.
- Enzyme activity in units following the *Enzyme Nomenclature* (Academic Press, 1979).
- For summaries of the abbreviations consult *Journal of Biological Chemistry*, *Archives of Biochemistry and Biophysics* and the *Handbook of Biochemistry* (H. A. Sober, Chemical Rubber Company, Cleveland, latest edition).

Taxonomical

- Binary nomenclature; names and genera and higher categories may be used alone.

Genetic

- Applications of the terms phenotype and genotype should be in accordance with Demerec et al. (*Genetic* 54: 61–74, 1966).

- For summaries of the abbreviations, consult *Journal of Bacteriology*, Instructions to Authors.

Figures and tables

Submission of electronic figures

In addition to hard-copy printouts of figures, authors are encouraged to supply the electronic versions of figures in either Encapsulated PostScript (EPS) or TIFF format. Many other formats, e.g., Microsoft Postscript, PiCT (Macintosh) and WMF (Windows), cannot be used and the hard copy will be scanned instead.

Figures should be saved in separate files *without* their captions, which should be included with the text of the article. Files should be named according to DOS conventions, e.g., 'figure1.eps'. For vector graphics, EPS is the preferred format. Lines should not be thinner than 0.25pts and in-fill patterns and screens should have a density of at least 10%. Font-related problems can be avoided by using standard fonts such as Times Roman and Helvetica. For bitmapped graphics, TIFF is the preferred format but EPS is also acceptable. The following resolutions are optimal: black-and-white line figures – 600–1200 dpi; line figures with some grey or coloured lines – 600 dpi; photographs – 300 dpi; screen dumps – leave as is. Higher resolutions will not improve output quality but will only increase file size, which may cause problems with printing; lower resolutions may compromise output quality. Please try to provide artwork that approximately fits within the typeset area of the journal. Especially screened originals, i.e. originals with grey areas, may suffer badly from reduction by more than 10–15%.

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Please always check whether the figures print correctly to a PostScript printer in a reasonable amount of time. If they do not, simplify your figures or use a different graphics program.

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Each figure and table should be numbered and mentioned in the text. The approximate position of figures and tables should be indicated in the margin of the manuscript. On the reverse side of each figure, the name of the (first) author and the figure number should be written in pencil; the top of the figure should be clearly indicated. Figures and tables should be placed at the end of the manuscript following the Reference section. Each figure and table should be accompanied by an explanatory legend. The figure legends should be grouped and placed on a separate page. Figures are not returned to the author unless specifically requested.

In tables, footnotes are preferable to long explanatory material in either the heading or body of the table. Such explanatory footnotes, identified by superscript letters, should be placed immediately below the table.

Section Headings

First-, second-, third-, and fourth-order headings should be clearly distinguishable but not numbered.

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Supplementary material should be collected in an Appendix and placed before the Notes and Reference sections.

Notes

The use of footnotes should be avoided. However, if essential, they should be typed on the appropriate page, but clearly separated from the text with a line above them. Notes should be indicated by consecutive superscript numbers in the text. A source reference note should be indicated by means of an asterisk after the title. This note should be placed at the bottom of the first page.

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Examples:

Winograd (1986, p. 204)

(Winograd 1986a, b)

(Winograd 1986; Flores et al. 1988)

(Bullen & Bennett 1990)

Acknowledgements

Acknowledgements of people, grants, funds, etc. should be placed in a separate section before the References.

References

References to books, journal articles, articles in collections and conference or workshop proceedings, and technical reports should be listed at the end of the article in alphabetical order (see examples below). Articles in preparation or articles submitted for publication, unpublished observations, personal communications, etc. should not be included in the reference list but should only be mentioned in the article text (e.g., T. Moore, personal communication).

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Bonga JM & Duran D (1987) *Cell and Tissue Culture in Forestry*. Martinus Nijhoff Publishers, Dordrecht

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Lefebvre D & Laliberte J (1987) Mammalian metallothionein functions in plants. In: Verma DPS (Ed) *Molecular Genetics of Plant-Microbe Interactions* (pp 32–40). Martinus Nijhoff Publishers, Dordrecht

References to articles in conference proceedings should include the author's name; year of publication; article title; editor's name (if any); title of proceedings; first and last page numbers; place and date of conference; publisher and/or organization from which the proceedings can be obtained; place of publication, in the order given in the example below.

Box EO & Meentemeyer V (1993) Soil carbon dioxide evolution: environmental controls, world patterns and amounts. In: Breymeyer A (Ed) *Conference Papers 18: Geography of Organic Matter Production and Decay*, SCOPE Seminar Szymbark Sept. 11–18 1991 (pp 21–49). Institute of Geography and Spatial Organization, Polish Academy of Sciences, Warsaw

References to articles in periodicals should include the author's name; year of publication; article title; full abbreviated title of periodical; volume number (issue number where appropriate); first and last page numbers, in the order given in the example below.

Dawson W & Boyd C (1987) TMV protein synthesis is not translationally regulated by heat shock. *Plant Molec. Biol.* 8: 145–149

References to technical reports or doctoral dissertations should include the author's name; year of publication; title of report or dissertation; institution; location of institution, in the order given in the example below.

Sisterson DL, Bowersox VC, Myers TP, Olsen A, Vong R, Simpson JC & Mohen V (1990)
Deposition Monitoring: Methods and Results. NAPAP Report 6. Government Printing
Office, Washington, DC

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