



Instructions for authors

Online Manuscript Submission

Springer now offers authors, editors and reviewers of *Biogeochemistry* the option of using our fully web-enabled online manuscript submission and review system. To keep the review time as short as possible (no postal delays!), we encourage authors to submit manuscripts online to the journal's editorial office. Our online manuscript submission and review system offers authors the option to track the progress of the review process of manuscripts in real time. Manuscripts should be submitted to:

<http://biog.edmgr.com>

The online manuscript submission and review system for *Biogeochemistry* offers easy and straightforward log-in and submission procedures. This system supports a wide range of submission file formats: for manuscripts – Word, WordPerfect, RTF, TXT and LaTeX; for figures – TIFF, GIF, JPEG, EPS, PPT, and Postscript.

NOTE: By using the online manuscript submission and review system, it is NOT necessary to submit the manuscript also in printout + disk. In case you encounter any difficulties while submitting your manuscript on line, please get in touch with the responsible Editorial Assistant by clicking on “CONTACT US” from the tool bar.

Hard-copy figures

Original or good quality printouts of all figures should be submitted with the manuscript. Computer generated printouts should be flawless and on good quality paper. Non-computer generated line figures should be drawn with Indian ink on white matt paper or tracing paper. Photographs should be in black-and-white on glossy paper. If a figure is to be in colour (author's expense), please supply the highest quality possible so that the figure can be scanned. Slides, glossy photos and computer generated printouts on glossy photo quality paper are acceptable. 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.

Electronic figures

You should supply the electronic versions of your figures. We prefer figures in TIFF, EPS, PS, PDF and Microsoft Office format. Be aware that we may not be able to use other file formats and that the hard copy may be scanned instead. For vector graphics, EPS is the preferred format. For bitmapped graphics, TIFF is the preferred format. The following resolutions are optimal: line figures – 600–1200 dpi; photographs – 300 dpi; screen dumps – leave as is. Colour figures can be submitted in the RGB colour system. Font-related problems can be avoided by using standard fonts such as Times Roman, Courier and Helvetica. Figures should be saved in separate files. The figure legends should be included in the text file.

Language

We appreciate any efforts that you make to ensure that the language is corrected before submission. This will greatly improve the legibility of your paper if English is not your first language.

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 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)
- article type
- title
- author(s)
- affiliation(s)
- full address for correspondence, including telephone and fax number and e-mail address

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 (Systeme International' Unites).

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).

Electronic figures

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

All photographs, graphs and diagrams should be referred to as a 'Figure' and they should be numbered consecutively (1, 2, etc.). Multi-part figures ought to be labelled with lower case letters (a, b, etc.). Please insert keys and scale bars directly in the figures. Relatively small text and great variation in text sizes within figures should be avoided as figures are often reduced in size. Figures may be sized to fit approximately within the column(s) of the journal. Provide a detailed legend (without abbreviations) to each figure, refer to the figure in the text and note its approximate location in the margin. Please place the legends in the manuscript after the references.

Tables

Each table should be numbered consecutively (1, 2, etc.). 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. Please provide a caption (without abbreviations) to each table, refer to the table in the text and note its approximate location in the margin. Finally, please place the tables after the figure legends in the manuscript.

Section Headings

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

Appendices

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.

Cross-Referencing

In the text, a reference identified by means of an author's name should be followed by the date of the reference in parentheses and page number(s) where appropriate. When there are more than two authors, only the first author's name should be mentioned, followed by 'et al.'. In the event that an author cited has had two or more works published during the same year, the reference, both in the text and in the reference list, should be identified by a lower case letter like 'a' and 'b' after the date to distinguish the works.

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).

References to books should include the author's name; year of publication; title; page numbers where appropriate; publisher; place of publication, in the order given in the example below.

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

References to articles in an edited collection should include the author's name; year of publication; article title; editor's name; title of collection; first and last page numbers; publisher; place of publication, in the order given in the example below.

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

Proofs

Proofs will be sent to the corresponding author by e-mail (if no e-mail address is available or appears to be out of order, proofs will be sent by regular mail).

Your response, with or without corrections, should be sent within 72 hours. Please do not make any changes to the PDF file. Minor corrections (+/–10)

should be sent as an e-mail attachment to: proofscorrection@springer-sbm.com. Always quote the four-letter journal code and article number and the PIPS No. from your proof in the subject field of your e-mail. Extensive corrections must be clearly marked on a printout of the PDF file and should be sent by first-class mail (airmail overseas).

Offprints

50 offprints of each article will be provided free of charge. Additional offprints (both hard copies and PDF files) can be ordered by means of an offprint order form supplied with the proofs.

Page Charges and Colour Figures

No page charges are levied on authors or their institutions. Colour figures are published at the author's expense only.

Copyright

Submission is a representation that the manuscript has not been published previously and is not currently under consideration for publication elsewhere. A statement transferring copyright from the authors (or their employers, if they hold the copyright) to Springer will be required before the manuscript can be accepted for publication. The form can be downloaded from the Editorial Manager homepage under the header authors' or from <http://www.Springer-online.com/CD/BIOG/CONSENTtoPublish.PDF>. Please print the form, fill out therequested information and return it to us to either mail or fax.

Permissions

It is the responsibility of the author to obtain written permission for a quotation from unpublished material, or for all quotations in excess of 250 words in one extract or 500 words in total from any work still in copyright, and for the reprinting of figures, tables or poems from unpublished or copyrighted material.

Springer Open Choice

In addition to the normal publication process (whereby an article is submitted to the journal and access to that article is granted to customers who have purchased a subscription), Springer now provides an alternative publishing option: Springer Open Choice. A Springer Open Choice article receives all the benefits of a regular subscription-based article, but in addition is made

available publicly through Springers online platform SpringerLink. To publish via Springer Open Choice, upon acceptance please visit www.Springer-online.com/openchoice to complete the relevant order form and provide the required payment information. Payment must be received in full before publication or articles will publish as regular subscription-model articles. We regret that Springer Open Choice cannot be ordered for published articles.

Additional Information

Additional information concerning *Biogeochemistry* can be obtained from:

Springer
P.O. Box 17
3300 AA Dordrecht
The Netherlands

Or visit our website at <http://www.springeronline.com>