Instructions for Authors of "Engineering in Life Sciences"

"Engineering in Life Sciences" publishes independently reviewed original research papers (full papers), short communications, and reviews, as well as book reviews and announcements. All papers on microbiology and genetics, biochemistry, and chemistry should be technologically relevant.

Submission of Manuscripts

Manuscripts – which have not been and will not be published elsewhere – should be submitted according to the following guidelines:

Engineering in Life Sciences offers a web-based manuscript submission and peer-review system. This service guarantees fast and safe submission of manuscripts and rapid assessment. Using this system is obligatory; conventional submission of manuscripts is no longer accepted.

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If you have any questions concerning the online submission program, do not hesitate to contact Editorial Support at els@wiley-vch.de.

Authors are responsible for the content of their submissions.

Manuscript Preparation

Language

Papers should be written in English, using American spelling. Authors who are less familiar with the English language should seek assistance from proficient colleagues in order to produce manuscripts that are grammatically and linguistically correct.

Size of Manuscripts

Original papers (Full papers) consist of experimental and theoretical work with new results in the topics of the scope of the journal. Papers should be as concise as possible, compatible with clarity and completeness, and should not normally exceed 36 000 characters (approx. eight manuscript pages). In addition, up to eight figures or schemes, and six tables may be included.

Short communications containing novel experimental or theoretical results requiring urgent publication should be limited to a maximum of 18 000 characters (approx. four manuscript pages) and not more than six illustrations.

Review articles summarize information published on a certain topic and are not limited to own results. Rather than an assemblage of information with a complete literature survey, a comprehensive critical description, and selection of the material is indispensable. They typically should have a length of 45 000 characters (or ten manuscript pages). Up to 15 figures may be included (one figure counts approx. 900 characters). There is no strict format, but they have to provide a Summary, Introduction, and Concluding Remarks.

Arrangement of Manuscripts

All pages should be numbered consecutively, starting with the title page. Manuscripts should be divided into sections and subsections by headings and sub-headings.

The text files of all kinds of manuscripts should be formatted without hyphenation and hard returns within paragraphs.

For further details regarding the arrangement of the manuscript please see the online sample copy at the "Issues" Section on the journals homepage.

On the **Title page**, the title of the paper and the name(s) and full address(es) of the institute(s) from which the manuscript originates should be stated below the name(s) of the author(s). The title page should also include the e-mail address to which all correspondence and proofs should be sent, as well as telephone and fax number(s). A **Running title** (not exceeding 50 letters) and one to three keywords should be supplied.

The **Abstract** (not exceeding 1500 letters) should be self-explanatory and intelligible without reference to the text. It should be written in the past tense, abbreviations should be avoided and no literature should be cited so that the summary could be directly used for abstract journals and databases.

The **Introduction** should concisely define the scope of the submitted work in relation to recent international work, and the scientific progress should be pointed out. At the end of the introduction, a clear-cut and precise statement of the aim of the work should be added.

The **Materials and Methods** should give sufficient detail to allow the experiments to be reproduced. It is acceptable to cite previously published procedures; important modifications of published procedures should be mentioned briefly. A short description is also advisable if any references are not easily accessible.

The **Results** should be presented with clarity and precision by including tables, figures, formulae, etc.

Contents of tables and figures should not be repeated but only commented in the text; experimental data should be evaluated.

The **Discussion** should be confined to interpretation of the results with regard to the current state of research and the aim of the work. Conclusions (for example, for further research) should be drawn.

The **Results and Discussion Sections** can include sub-headings. Results and discussions may be combined, if appropriate.

The **Acknowledgements** of financial support, advice or other kinds of assistance should be presented after the Discussion Section before the References.

Responsibility for the accuracy of References rests with the authors. References listed at the end of the paper should only concern such papers quot-ed in the text and be numbered in the order in which they are first mentioned. Please give initials and surnames of all authors, title of journal, abbreviated according to the practice of "Chemical Abstracts Service Source Index (CASSI)" and year, volume number, issue number, first and last page numbers. Books are to be cited with authors, the full title, volume number, edition, publisher, location and year of

publication, page number. The footnote and endnote options provided by many text programs should not be used.

In citing the **literature**, the format below should be followed as an example:

[1] U. T. Bornscheuer, High-Throughput-Screening Systems for Hydrolases, *Eng. Life Sci.* **2004**, *4 (6)*, 539-542. DOI: 10.1002/elsc.200402157.
[2] R. McWeeny, *Coulson's Valence*, 3rd ed., Oxford University Press, Oxford **1979**, 7-22.
[3] L. B. Schein, *Electrophotography and Development Physics*, 2nd ed., Springer Series in Electrophysics, Vol. 14, Springer Verlag, Berlin **1992**, 95-100.
[4] *Handbook of Heterogeneous Catalysis* (Eds: G. Ertl, H. Knözinger, J. Weitkamp), Wiley-VCH, Weinheim **1997**, 74-85.
[5] T. Kodas, in *The Chemistry of Metal CVD* (Eds: T. Kodas, M. Hampden-Smith), VCH, Weinheim **1994**, 3-19.
[6] *Proc. of the 4th Int. Conf. on Rheology* (Eds: E. H. Lee, A. L. Copley), Interscience, New York **1965**, 19-23.
[7] A. Katschalsky, A. Oplatka, in *Proc. of the 4th Int. Conf. on Rheology* (Eds: E. H. Lee, A. L. Copley), Interscience, New York **1965**, 53-60.
[8] A. Katschalsky, presented at *4th Int. Conf. on Rheology*, San Diego, CA, September 5, **1964**.
[9] R. Koksbang, *US Patent 5 487 959*, **1996**.
[10] J. M. Risse, A. Pühler, E. Flaschel, Production of N-Acetyl-Phosphinothricin, *Eng. Life Sci.*, in press.

A journal may be cited with the journal's name followed by "in press", provided the author has submitted a copy of this paper for review.

References such as "unpublished work" or "personal communication", and also the citation of a thesis are not advisable.

Footnotes to the text are to be avoided. Regarding footnotes to tables, please consult the Section.

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Tables may be used to shorten the text or to make it more comprehensible. They should be numbered consecutively, be given a short heading and appear at the end of the manuscript.
The **table caption** must explain in detail the contents of the table. As the table itself, it must be written so that it can be read and understood without reference to the text.
Every column and every line of a table should be labeled unambiguously and indicate units wherever data are reported.
Every table has to be referred to in the text, for example "(see Tab. 3)". Footnotes in tables should be denoted [a)], [b)], [c)], etc.

The number and size of **Figures** should be kept to a minimum. They should be numbered consecutively and quoted on separate sheets. Line drawings or computer drawings, including graphs and diagrams, should be of high quality and drawn in black. Half-tone illustrations should be submitted as well-contrasted black and white glossy prints. Figure captions should be typed in sequence on a separate sheet.
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Numbers, letters, and symbols inscribed must have a letter size after reproduction to the printing format of no less than 2 mm.
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Structural diagrams of molecules as well as mathematical equations should be drawn or written in the manuscript at the places to which they belong. They should always stand alone, i.e., occupy extra lines. Structur-al diagrams and equations should be marked with Arabic numerals in parentheses in the right-hand margin.

The use of the equation editor (Word) for typesetting equations is recommended. The authors should ensure that they do not import special symbols and characters as graphics/formulae in the running text and use instead either the Symbol font or the "insert special symbol" option provided with most word processing programs.

Only SI Quantities and Units are to be used (SI = Système International d'Unités). If data with non-SI units are to be reported, they should be put in parentheses prior to the corresponding data with SI units.

Symbols and abbreviations employed to represent variables, constants, quantities, properties, etc., should be defined in the text at their first occurrence. In addition, a list of all symbols and abbreviations used must be compiled at the end of the text under the heading "Symbols used".

IUPAC Nomenclature should be used when naming compounds (www.iupac.org).

Latin names of species should be printed in italics.

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