

Reviews in Separation Sciences

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Description

Reviews in Separation Sciences is a peer-reviewed Open Access journal dedicated to separation sciences. The journal focuses on review papers that show the scope and power of separation sciences when combined with other analytical techniques such as spectroscopic methods, in particular with mass spectrometry. Review articles in the area of exciting new areas in chromatography, such as ultra-high pressure and high-temperature separations, the journal also focus on hyphenated systems that combine several unit operations with chromatography and detection technologies on the micro- and nanoscale. *Reviews in Separation Sciences* welcomes manuscripts submissions that present significant scientific coverage in any field of separation science applied in application areas including archaeology, biotechnology, clinical, environmental, food, medical, petroleum, pharmaceutical, polymer, and biopolymer research, as well as analytical, (semi)-preparative and process-scale applications.

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Guide for authors

The journal provides a platform for scientists who wish to summarize the field of Separation Sciences research and share this work as widely as possible. The published papers provide an overview of the main developments on a particular topic, with an emphasis on recent developments, and sketch an outlook on future developments. The journal focuses on short review papers (max. 20 pages) and these are freely available after publication. All submitted manuscripts are fully peer-reviewed and after acceptance, a publication fee (see APC) is charged to cover all editorial, production, and archiving costs.

Journal Abbreviation

The correct abbreviation of the *Reviews in Separation Sciences* journal for indexing and abstracting purposes is **Rev. Sep. Sci.**

Article Publishing Charge (APC)

Reviews in Separation Sciences is an open access journal: all articles will be immediately and permanently free for everyone to read and download. To provide open access, this journal has an open access fee (also known as an article publishing charge APC) which needs to be paid by the authors or on their behalf e.g. by their research funder or institution. For a manuscript that has been desk-rejected (rejection without peer-review) or is rejected for publication after the peer-review process, no APC has to be paid by the authors.

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APC Waive or Reduction

- For scientists with limited financial funds (solely reserved for payment of publication fees), a (partial) waiver of APC is possible when he/she can prove this limitation.
- For low/middle-income countries a reduction/waiver of the Article Processing Charge is possible. We use data from the gross national income (GNI) per capita for the previous year defined by the World Bank.

Income classifications by GNI per capita are as follows (2013):

Low-income: \$1,025 or less

Lower-middle income: \$1,026 to \$4,035

Upper middle income: \$4,036 to \$12,475

High income: \$12,476 or more.

Contact the Editorial Office for more information on APC waive or download the APC waiver form

- Authors invited by the editor-in-chief or another editorial board member of the editorial board to submit a manuscript for publication always receive a 100% waiver of the Article Publication Charge.

Cover page

The cover page of the manuscript should include the title, all authors' names and affiliations, and full contact information for the corresponding author. If all authors are at affiliated with one department, specific departmental affiliations are not needed; if any author is affiliated with a different department or university the specific departmental and university affiliation is needed for every single author.

Manuscript structure

Manuscripts must be submitted in the style of the journal, figures and tables should not be embedded within the main text body but presented on a separate page. Review articles are articles written, to sum up, the current state of the research on a particular topic. Review articles should be a focus on the key subject and not provide a comprehensive literature overview but critically discuss scientific findings, conclusions, and missing facts. Reviews should provide a balanced overview of the reviewed topic or field and not focus predominantly on the author's own research. Authors are encouraged to include their own thoughts on current views and trends but also they should have a view of future directions.

Word count (excl. abstract and references): 4000-8000 words

Abstract: max. 150 words

Keywords: 4-6

References: max. 150 references

Title Page

Full article title, author(s) name(s) and affiliation(s) including email(s) for all authors, Corresponding Author contact information.

Abstract

The abstract should be concise describing briefly the purpose of the research, the principal results, and major conclusions. It should not be longer than 150 words.

Keywords

Four to six relevant keywords should be listed directly under the abstract on the same page. Authors should avoid general and plural terms and use no abbreviations: only abbreviations firmly established in the field are allowed (e.g. LC-MS, ELISA, mAB etc.).

Abbreviations

Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article (limited to the 20 most important abbreviations). Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article.

Introduction

State the objectives of the work and provide an adequate background, avoiding a detailed literature summary of the results.

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This section should present the collected data and analysis and discussion of the obtained data. Results for all measures should be reported in a concise, straightforward manner, using tables or figures when appropriate. Duplication of information that is presented in tables or figures should be minimal in the text, and all results should be reported in the text, rather than figure captions. We encourage authors to include results from statistical tests to confirm data quality. Authors should discuss the findings in the context of the research question initially posed. The discussion of results should also explore the broader implications and significance of the findings, as well when appropriate specific recommendations for the direction of future research on the topic.

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The authors should present in this section essentially the 'take-home' message of a paper. Conclusions are not allowed to be an extension of the results and discussion section or summarise to a certain extent the results. Authors can choose to list important results in form of a bulleted list. The conclusion section must not contain references from in the manuscript cited literature.

Acknowledgements

Authors should summarize acknowledgments in a separate section at the end of the manuscript before the reference section. Listed should be here individuals who provided help during the research activities (e.g., providing language help, writing assistance or proofreading the article, etc.) and who are eligible to be a co-author of the manuscript.

Summary Points list

Highlight the central points of your review (as many as 8), in complete sentences; insert above the Acknowledgments and/or Literature Cited section

References

Every citation in the text should be listed in the reference list, and vice versa. Note that online sources should be cited in the same manner as print sources (i.e., author and date in parentheses). References should be formatted in accordance with the journal style.

Journal article:

1. Koster RA, Touw DJ, Alffenaar JW. Dried blood spot analysis: facing new challenges. *J Appl Bioanal.* 1(2), 38-41 (2015).

Authored book:

1. G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: Introduction to the Electronic Age, B.S. Jones, R.Z. Smith (Eds.), E-Publishing Inc., New York, USA, pages. 281–304. (2009).

Online source:

1. Otis B, Parviz B. Introducing our smart contact lens project (2014).
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References and any patents or websites should be numerically listed in the reference section in the order that they occur in the text, using Arabic numerals placed in square brackets, e.g., [1].

Figure Captions

Figure captions should be provided in the main text document; they should not be included in the figure files. Each caption should begin with “**Fig.**” and then the appropriate number, following by a period (e.g., “**Fig. 1.**”). The text of the caption begins on a separate line.

A caption should be concise and describe only what is shown in the figure itself. Results should not be summarised in figure captions. Each caption should begin with a sentence fragment that serves as a title and covers the entire content of the figure (not just selected panels). All the text following this fragment should be in complete sentences.

Figures must be numbered in the order in which they are referred to in the text. All figures must be referred to in the manuscript text, and the text needs to give a full indication of the information that is included in every figure. For example, if a figure has two panels, the text cannot refer to only one of them (but the text does not have to call out each panel separately—e.g., if Fig. 1. has panels (a) and (b), the text can refer to Fig. 1 as a whole). If a figure has asterisks to indicate significance, the caption should explain them (i.e., what was tested and what *p*-value is indicated by a single asterisk, two asterisks, etc.). Unlike in a table, this explanation should be incorporated into a complete sentence.

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Figures should NOT be embedded into the manuscript text instead the position of the figure can be described by inserting the figure number (i.e. **Figure 1.**). The figures have to be placed on separate pages when possible. More than one picture on one page is possible as long as they keep their clarity for reviewers.

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Authors should use footnotes for explanations of abbreviations and symbols used (except symbols indicating statistical significance). For example:

^a[Specific notes that apply to a particular column, row, or cell entry are called out by letters a, b, etc.]

*p < .05, **p < .01. [If asterisks (or daggers) are used to indicate results of tests of significance, the symbols are explained here.]

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Chemical structures and biochemical nomenclature

Authors should preferably construct chemical structures by the use of ISISDraw or ChemDraw software and formats. Mandatory are:

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Submission checklist

Ensure that the following items are present:

One author has been designated as the corresponding author with contact details:

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- Full postal address

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- Include keywords
- All figures (include relevant captions)
- All tables (including titles, description, footnotes)
- Ensure all figure and table citations in the text match the files provided
- Supplemental files (where applicable)

Further considerations:

- Manuscript has been 'spell-checked' and 'grammar-checked'
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