

# MANUSCRIPT REQUIREMENTS

## INTRODUCTORY NOTES

Carefully written text and quality supplements will help speed up the publication process. Special attention should be paid to the use of SI system units or those of corresponding conventions, IUPAC nomenclature and symbols, as well as standardized citation of references. Authors are urged to provide high quality images (figures, tables, schemes, graphs etc.), especially taking into account the size of the lettering in relation to image size.

## TITLE PAGE

The title page should include the title of the article in Croatian and English, followed by the full names of the authors and their affiliations in both Croatian and English. A separate page should contain the full name of the corresponding author, including their academic title, affiliation, postal address, telephone number, fax number, and e-mail address.

## ARTICLE FORMAT – SECTION HEADINGS

For conciseness, the manuscript should be divided into the following sections:

- Introduction
- Experimental
- Results and discussion
- Conclusion
- Summary and extended summary

## INTRODUCTION

The Introduction should be as brief as possible, and therefore present only the information essential to the understanding of the matter.

## EXPERIMENTAL

Experimental techniques and apparatus should be described only if they differ significantly from the descriptions in published literature; for known techniques and apparatus only a citation of the source of necessary data is required. Sections involving method descriptions, experimental results, calculation details and such, will be printed in a smaller font. Authors are urged to mark these sections within the text. If the author fails to mark these sections, the Editorial Board will do so according to their own judgment.

## RESULTS AND DISCUSSION

Principally, results should be presented by an equation. If this is not possible, the author should select the most appropriate form of presentation (diagram or table) for utmost clarity.

## Tables and Diagrams

Tables and diagrams must be understandable without reference to the text. Only exceptionally it is necessary to repeat the same data in both a table and a diagram, in which cases the authors are required to substantiate such repetition, while the Editorial Board and assigned reviewers shall make the final decision.

Tables containing data in excess of the necessary minimum must be shortened. At the request of the author, the editor shall archive the complete table and enable interested readers to access it from the archive. This will be added as a note to the shortened version of the table.

The text in the tables and diagrams, as well as their captions and descriptions should be written in both the original language of the paper and in English.

## Images and drawings

The manuscript should contain all pertaining images, drawings or diagrams (figures) appropriately prepared if possible in a format no larger than A-4. The quality of the figures should enable their digital conversion and reduction (300 dpi). Symbols representing physical quantities should be in italic (sloping), and units in ro-

man (upright), e.g.  $\text{V m}^{-3}$ . Figure captions should not be provided under each figure, but listed on a separate page (in the original language of the paper and in English).

## Formulas and Equations

Preferably, formulas and equations should be presented in a single line, e.g.:

$$e^{-a/RT} \text{ ili } \exp(-a/RT), a \text{ ne } e^{-\frac{a}{RT}}$$

Subscripts and superscripts should be clearly visible, although superscripts should be avoided so as not to mistake them for numeric superscripts. Authors should describe all special symbols (e.g. Greek letters) that may lead to any misunderstanding.

## Nomenclature and Units

Nomenclature and terminology from the field of chemistry and chemical engineering should comply with international rules.

The nomenclature of inorganic compounds should comply with the rules of the International Union of Pure and Applied Chemistry (IUPAC): G. J. Leigh (Ed.), *Nomenclature of Inorganic Chemistry*, Blackwell Science, Oxford, UK (1990) and V. Simeon (Ed.), *Hrvatska nomenklatura anorganske kemije, Školska knjiga, Zagreb, 1996*. The nomenclature of organic compounds should comply with the rules of IUPAC: *A Guide to IUPAC Nomenclature of Organic Chemistry*, Blackwell Science, Oxford, UK (1993), as well as with: V. Rapić (Ed.), *Vodič kroz IUPAC-ovu nomenklaturu organskih spojeva, Školska knjiga, Zagreb, 2002*.

Physical chemistry nomenclature should follow the recommendations of IUPAC: J. Mills, T. Cvitaš, K. Homann, N. Kallay. K. Kuchitsu (Eds.), *Quantities and Symbols in Physical Chemistry*, Blackwell Science, Oxford, UK (1993).

Physical quantities and units in the manuscript should comply with the International System of Units (SI) or the recommendations of IUPAC (e.g. T. Cvitaš, N. Kallay, *Fizičke veličine i jedinice Međunarodnog sustava, Hrvatsko kemijsko društvo, Zagreb, 1975*, and republished in 1980, 1981, 1985). For specific nomenclature, a list of used symbols and their definitions should be provided in the original language of the paper and in English.

## Physical quantity and units for expressing the composition of the homogeneous mixtures<sup>†</sup>

Physical quantity	Symbol	Definition*	Unit
RATIOS			
mass ratio	$\zeta$	$\zeta_{B,A} = m_B/m_A$	1
volume ratio	$\psi$	$\psi_{B,A} = V_B/V_A$	1
amount of substance ratio	$r$	$r_{B,A} = n_B/n_A$	1
number ratio**	$R$	$R_{B,A} = N_B/N_A$	1
FRACTIONS			
mass fraction	$w$	$w_B = m_B/\sum m_i$	1
volume fraction	$\varphi$	$\varphi_B = V_B/\sum V_i$	1
amount of substance fraction	$x$	$x_B = n_B/\sum n_i$	1
number fraction**	$X$	$X_B = N_B/\sum N_i$	1
CONCENTRATIONS			
mass concentration	$\gamma, \rho$	$\gamma_B = m_B/V$	$\text{kg m}^{-3}$
volume concentration	$\sigma$	$\sigma_B = V_B/V$	1
amount of substance conc.	$c$	$c_B = n_B/V$	$\text{mol m}^{-3}$
number concentration	$C$	$C_B = N_B/V$	$\text{m}^{-3}$
MOLALITY			
molality	$b$	$b_B = n_B/m_A$	$\text{mol kg}^{-1}$

<sup>†</sup> B. S. Grabarić, B. Tripalo, Iskazivanje fizikalnih veličina u kemiji i biokemiji, Prehrambeno-tehnološka i biotehnološka revija, 1/93

\* Right subscript A denotes solvent and B dissolved substance

\*\* Authors proposition according to the analogy for amount (c) and number (C) concentration, although  $r = R$  i  $x = X$

## CONCLUSION

The Conclusion section should not contain text repeated from previous sections, but should be derived from interpretation of the results and their comparison with existing major insights in the relevant field.

## SUMMARY AND EXTENDED SUMMARY

The manuscript should also contain:

- A Summary in the original language of the paper no longer than one journal page (200–250 words), explaining the reason for the work, the most significant results, and conclusions, followed by 3 to 6 key words. The Summary is located immediately after the manuscript title.
- The same Summary and key words in English should be provided for publishing on the document page.
- An Extended Summary in English of 1–2 typewritten pages, which should be thoughtfully written so that, by only referring to the English text in the tables and figures, a reader is able to capture the essence of the work, especially the results and conclusions.

If the manuscript is originally written in one of the world languages, then the following sections should be provided in Croatian: summary (not including the summary for the document page), key words, title, table & figure captions, list of acronyms and symbols.

## ACRONYMS AND SYMBOLS

In addition to the summary, the authors should provide a list of used acronyms and symbols (in Croatian and English), brought into line with international recommendations (e.g. IUPAC, IUPAP, ISO), (see *Nomenclature and Units*).

## REFERENCES

Except for reviews, references to literature should be selective and not extensive. All references should be placed on a separate page and numbered in the order of their first citation in the text, and the corresponding numbers placed at the appropriate locations in the text as superscripted numerals; e.g. "Težak *et al.*<sup>3</sup> tested the...". If the authors had no access to the original literature that they are citing, they should indicate the source of that reference. Journal abbreviations should be those used in the Chemical Abstracts Service Source Index (CASSI):

<http://www.cas.org/expertise/cascontent/caplus/corejournals.html>, or the Thomson ISI Master Journal List: <http://science.thomsonreuters.com/mjl/>, and <http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER>.

Literature references should also include the title of the work.

Journal citation example:

*P. Kittilsen, H. F. Svendsen*, Three-level mass-transfer model for the heterogeneous polymerization of olefins, *J. Appl. Polym. Sci.* **91** (2004) 2158–2167, doi: <http://dx.doi.org/10.1002/app.13338>.

Patent citation example:

*J. Ehrenfreund* (Ciba Geigy A. G.), *Eur. Pat. Appl.* 22748, 21 Jan 1981; *C. A.* **95** (1981) 7078b.

Book citation example:

*W. Mehl, J. M. Hale*, *Insulator Reactions*, in P. Delahay and C. W. Tobias (ed.), *Advances in Electrochemistry and Electrochemical Engineering*. Vol. 6, Interscience Publ., New York, 1967, pp. 399–458.

Internet citation example:

URL: <http://www.oreillynet.com/pub/a/oreilly/tim/news/2005/09/30/what-is-web-20.html?page=1> (29. 2. 2009.)

*Note:* An internet citation should also include the date the cited information was accessed.

## ELECTRONIC PREPARATION AND MANUSCRIPT SUBMISSION

The copy of the manuscript should be submitted to the Editorial Office, written using 12 p font size, double-spacing and 2.5 cm margins on all sides, and printed one side only on A-4 paper, with a maximum of 30 lines to each page.

For manuscript preparation please use following Template.

The manuscript should be submitted in digital form via the journal website [www.hdki.hr/kui](http://www.hdki.hr/kui) (choose English) using the on-line submission system (Paper submission, <http://silverstripe.fkit.hr/kui/authors/submit-paper/> – preferred method), or by e-mail to [kui@hdki.hr](mailto:kui@hdki.hr), prepared using the usual word processing software (Microsoft Word – in document or rich text file mode).

Digital images should be saved in a separate archive file (.tif, .jpg format), with a resolution of 300 dpi and height of 8 cm, regardless of whether or not they have been incorporated into the text.

## EDITORIAL PROCEDURE

Received manuscripts shall be reviewed by the Editorial Board. Each manuscript shall be given a Reference Number, which the author shall indicate in subsequent correspondence.

The author must submit a cover letter together with the manuscript. The cover letter should contain:

- a) Whether, where, and which part of the manuscript has been published elsewhere;
- b) Financial or any other interests of the author/s that may lead to a conflict of interest;
- c) Suggest the name of two appropriate reviewers (in order to speed up the reviewing process);
- d) The author's opinion as to the category of the paper.

## REVISION

If the reviewers suggest any additions or corrections, a copy of the revised manuscript shall be sent to authors for their final decision and correction.

The corrected manuscript must be returned to the Editorial Office in electronic form by e-mail.

## AUTHOR'S CORRECTIONS

PDF page proofs shall be sent to authors, in which they may only correct textual errors. Authors shall bear the expense of any additional corrections (adding or rephrasing text). The corrected proofs must be returned to the Editorial Board within 48 hours by e-mail.

## PUBLICATION

The journal is not obligated to publish manuscripts in the order of their receipt. Manuscripts shall not be returned and all hard-copy material shall remain the property of CSCE.

## MANUSCRIPTS AND REPRINTS

Authors of categorized manuscripts shall be supplied with one copy of the "Kemija u Industriji" journal. Reprints must be ordered separately and paid. Copies of the journal shall be sent to the address of the corresponding author.

Articles published in "Kemija u industriji" may be communicated along with source citation.

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