

# 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/mobile number, and e-mail.

## 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.

## Figures 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 roman (upright), e.g.  $V\text{ m}^{-3}$ .

## Formulas and Equations

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

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

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\*

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	$w$	$w_B = m_B/\Sigma m_i$	1
volume fraction	$\phi$	$\phi_B = V_B/\Sigma V_i$	1
amount of substance fraction	$x$	$x_B = n_B/\Sigma n_i$	1
number fraction**	$X$	$X_B = N_B/\Sigma N_i$	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	$b$	$b_B = n_B/m_A$	$\text{mol kg}^{-1}$

\* 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  $r = R \text{ i } x = X$

## 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 keywords. The Summary is located immediately after the manuscript title.
- The same Summary and keywords in English should be provided.

If the manuscript is originally written in English, then the following sections should be provided in Croatian: summary (not including the summary for the document page), keywords, title, table & figure captions, list of abbreviations and symbols.

## ABBREVIATIONS AND SYMBOLS

In addition to the summary, the authors should provide a list of used abbreviations 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.

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: <https://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 manuscript should be prepared in .docx document file mode (Microsoft Word), written using 12 p font size, double-spacing and 2.5 cm margins on all sides, with a maximum of 30 lines to each page.

For manuscript preparation please use the following template: <http://silverstripe.fkit.hr/kui/assets/PDFovi/Template-for-papers-2016.docx>.

The manuscript should be submitted through the online article submission system (*Journal Admin KUI*) ("Paper submission", <http://silverstripe.fkit.hr/kui/authors/submit-paper/>).

Figures should be saved in a separate archive file (.tiff, .jpg format), with a resolution of 300 dpi, regardless of whether or not they have been incorporated into the text. If possible please provide figures in vector format (.svg, .eps, .wmf).

## EDITORIAL PROCEDURE

Received manuscripts shall be reviewed by the Editorial Board and checked for plagiarism. 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:

- Whether, where, and which part of the manuscript has been published elsewhere;
- Financial or any other interests of the author/s that may lead to a conflict of interest;
- Suggest the name of three appropriate reviewers;
- The author's opinion regarding the category of the paper.

## REVISION

If the reviewers suggest any additions or corrections, review reports shall be sent to authors for their final revision.

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

## PUBLICATION

The journal is not obligated to publish manuscripts in the order of their receipt.

## AUTHOR'S CORRECTIONS

PDF page proofs shall be sent to authors, in which they may only correct textual errors. The corrected proofs must be returned to the Editorial Board within 48 hours by e-mail.

## COPYRIGHT POLICY

After acceptance of a manuscript for publication, the author is required to sign a statement transferring copyright to the publisher of the journal (CSCE). Journal "Kemija u industriji" is at the highest possible level of Open Access, which means all content of the journal is made freely available for non-commercial purposes, users are allowed to copy and redistribute the material, transform, and build upon the material as long as they cite the source.

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