

## Instruction for Authors

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As journal is in the open access regime, for every contribution submitted and accepted for publication author(s) will participate in publishing expenses in amount of **200 € + 20 % VAT** (for authors from Serbia the equivalent in RSD at the rate of NBS).

Upon paper acceptance, publisher's office will send you Proforma invoice with payment instructions. Please, bear in mind that Editorial office will not be able to proceed with publishing without Processing fee being paid.

The Chemical Industry & Chemical Engineering Quarterly (*Chem. Ind. Chem. Eng. Q.*) is published by the Association of Chemical Engineers of Serbia (AChE). The following institutions support the activities of the publisher:

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As an international peer-reviewed research journal, the Chemical Industry & Chemical Engineering Quarterly (*Chem. Ind. Chem. Eng. Q.*) invites contributions of original and novel fundamental research related to the chemical industry and chemical engineering and connected areas. Papers describing novel theory and its application to practice, as well as those reporting experimental work that is soundly interpreted, are welcome.

### The Journal invites contributions to the following two main areas:

- Applied Chemistry dealing with the application of basic chemical sciences to industry
- Chemical Engineering dealing with the chemical and biochemical conversion of raw materials into different products, as well as the design and operation of plants and equipment.

The Journal welcomes contributions focused on the following:

#### Chemical and Biochemical Engineering

- Heat, mass, and momentum transfer
- Reactor, equipment, and downstream processing modeling, simulation, and design
- Novel reactors (membrane, chromatographic, electrochemical, micro-reactors, etc.)
- Scale up and scale down design
- Applied catalysis, kinetics, and modeling
- Separation science and technology
- Particle technology and fluidization

#### Process Systems Engineering

- Process dynamics, monitoring, and control
- Process modelling, simulation, and optimization
- Process design, integration, operation, and intensification
- Techno-economic analysis

#### Environmental Chemical and Process Engineering

- Treatment processes
- Environmental separation processes
- Environmental bioprocesses
- Environmental nanotechnology
- Clean process technology
- Green processes
- Materials synthesis and processing
- Novel physical and chemical methods of synthesis of advanced materials
- Novel materials (micro- and nano-structured materials, composite, and hybrid materials, etc.) of different morphologies (particles, films, fibers)
- Product design based on chemical engineering tools

### **Pharmaceutical and Cosmetic Engineering**

- Design, modelling, operation, and control of pharmaceutical (bio)reactors,
- Unit operations and process systems used in the production of pharmaceutical and cosmetic products

### **Food and Bioproducts Processing**

- Plant, process, and product design
- Unit operations, process modelling, and optimization in food engineering
- Heating and cooling methods, including freezing, pasteurization, and thermal sterilization
- Non-thermal processes

### **Process Technology**

- Industrial biotechnology
- Separation and purification technologies
- Biorefining

**Papers primarily focus on pure chemical sciences such as analytical, biochemical, food, environmental, inorganic, medicinal, microbiological, organic, pharmaceutical, physical or polymer chemistry, and natural sciences (biology, microbiology, etc.) are strongly discouraged.**

**Theoretical papers that do not include chemical engineering applications or do not contribute new ideas or research directions to applied chemistry and chemical engineering are also inappropriate.**

### **Articles for publication** (text without Tables and Figures):

- Original scientific papers - should be complete and authoritative accounts of work that has a special significance and must be presented clearly and concisely,
- Preliminary communications - the early communication of significant and original advances should always be complete,
- Review articles - authors of a review article should consult with the Editor to check the suitability of their topic and material before submitting their review. In addition, the Review must contain at least five auto citations from the SCI list, including all authors.
- Professional papers and
- Letters to the editors (commenting on work published in the journal).

All papers submitted will be dealt with rapidly and, if accepted, will typically appear in the Journal within six months. However, inadequately or incorrectly prepared manuscripts may be delayed or even rejected. Authors must, therefore, conform closely to the instructions given below.

The journal is published both online and in print.

### **Submission of Papers**

Manuscripts should be submitted [Online via the Website of the journal CICEQ](#) using the [Make a New Submission](#) form. All correspondence, including notification of the Editor's decision and requests for revision, takes place by e-mail via the following e-mail address:

Professor **Vlada Veljković**

Serbian Academy of Sciences and Arts

Knez Mihailova 4, 11000 Belgrade, SERBIA

E-mail: [CICEQ@ache.org.rs](mailto:CICEQ@ache.org.rs)

### **Submission of a paper implies that**

- It has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis),
- It is not under consideration for publication elsewhere and
- It will not be published elsewhere in the same form, in English or any other language, without the publisher's written consent.
- The authors should state the novelty in results/findings or the significance of results in the cover letter.

### **Also, all co-authors are required to confirm that:**

- The manuscript is entirely originally written,
- Someone else's data and/or text, including the Author's previously published, are appropriately cited or quoted, permission has been obtained for the use of copyrighted material from other sources (including the Web),
- The manuscript has been read and approved by all named authors and tacitly or explicitly by the responsible authorities where the work was carried out,
- All co-authors have approved the order of authors listed in the manuscript,
- There are no other persons who satisfied the criteria for authorship but are not listed,
- The corresponding Author is responsible for communicating with the other authors about all parts of the publishing process and progress, submissions of revisions, and final approval of proofs and
- The submitted paper is ethically and professionally correct in every other sense regarding the publishing process.

The ethical guidelines for a publication issued by the Committee on Publication Ethics (COPE) are followed and applied by the Chemical Industry & Chemical Engineering Quarterly. In addition, the Chemical Industry & Chemical Engineering Quarterly ensures compliance by using plagiarism detection software.

**Changes to authorship.** Authorship can be changed only before a manuscript is accepted for publication. The corresponding Author must send to the Editor a request to add or remove an author or to rearrange the author names, which must include the following:

- i. the reason the name should be added or removed, or the author names rearranged and
- ii. written confirmation (e-mail, fax, letter) from all authors (including the Author being added or removed) that they agree with the addition, removal, or rearrangement.

If a request is incomplete, the manuscript will be suspended until authorship has been agreed upon.

### Potential referees

All papers will be peer-reviewed. Authors are asked to submit full contact details, including e-mail addresses, for three potential referees. Referees should be experts in the field of the paper and not associated with the institution with which the authors are affiliated. **Moreover, the authors from Serbia should suggest no referee from Serbia and other ex-Yugoslav Republics.** The final choice of referees will remain entirely with the Editor.

All manuscripts are first evaluated on technical aspects such as compliance with the Instructions for Authors, and revisions can be requested. **Authors must follow the Instructions for Authors strictly, failing which the manuscripts would be rejected without review.** The Editor evaluates accepted manuscripts and can reject them because the work is considered outside the aims and scope or because of its insufficient originality and severe scientific weaknesses. Next, at least two independent experts review only the manuscript satisfying the minimum criteria. Finally, reviewers advise the Editor, who is responsible for accepting or rejecting the article. **Please note: any Editor's decision is final.**

The Editors will not re-consider manuscripts previously rejected by the Journal and, therefore, will be rejected without review.

### Preparation of Manuscripts

**Language:** Manuscripts should be written in good English (American or British usage is accepted, but not a mixture of these). The Editors suggest avoiding using the first person (we, us, our) in the text. Authors for whom English is not their native language are encouraged to have their papers checked before submission for grammar and clarity by a native English speaker.

**Typing:** Manuscripts must be typewritten in Word using common system fonts (Times New Roman, Arial, etc.), 1.5-spaced with wide margins (2.5 cm) on A4 pages. The authors using Word 2007 or newer versions (.docx extension) should prepare their manuscripts to be fully compatible with earlier versions of Word text processor (.doc extension). The text should be in the single-column format without a constant right-hand margin (i.e., full justification should be avoided). Each new paragraph should clearly be indicated. Number all manuscript pages, including references, tables, and a list of figure captions and figures. Indicate positions for figures and tables in the text.

**Page length:** Maximum page length should be 12, 20, and 40 pages for Short communication, Original article, and Review paper, including text and references. **The maximum number of tables and figures allowed is 4 (5 if there is no figure) and 6 (7 if there is no table), respectively.** Additional figures and tables may be included as supplementary material that will be considered for Web-only publication. Each figure and table must be put separately on a single page. Invited papers and papers written for special issues may depart from the prescribed length, the number of figures, and the number of references with the permission of the Editor.

**General Format:** The manuscript should contain the following in this order: Title Page, Abstract and Keywords, Text, Acknowledgements (optional), Appendix (optional), Nomenclature (optional), Graphical Abstract (optional), References, Figure captions, Tables and Figures. Do not import the Tables or Figures into the text.

**Title Page:** The title page should be devoted to the title (in caps), the full name(s) of the Author (s), and the full postal addresses of all co-authors. In multi-authored texts, indicate author affiliation by superscript Arabic numbers placed after the Author's name and before the appropriate address. Clearly indicate who is willing to handle correspondence at all refereeing, publication, and post-publication stages. The Corresponding Author should be identified with an asterisk. A footnote should contain the Corresponding Author's e-mail address, telephone number, and fax number. The title should be concise and explanatory of the content of the paper. It must be limited to about twelve words or 100 characters.

**Abstract:** The second page should consist of an abstract of 150-200 words summarizing the major findings. Non-standard or uncommon abbreviations should be avoided, but if essential, they must be defined at first mention in the abstract. Equation editor objects are not allowed within Abstract.

**Highlights** are mandatory and should be submitted in a separate file. They consist of a short collection of bullet points that convey the most important findings of the article. Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 100 characters, including spaces, per bullet point).

**Keywords:** up to 6 keywords (to facilitate indexing and online searching) should be provided, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, "and," "of"). Only abbreviations firmly established in the field may be eligible. The words that appear in the title should not be used.

**Text:** The text may contain an introduction, Theoretical part (if necessary), Experimental, Results and Discussion, and Conclusion. It should clearly convey the purpose of the study, the approach, and the key findings. Footnotes, if any, should be identified with superscript Arabic numbers. Indicate references in the text using numerals in square brackets in order of appearance (for instance, [1,2,3-6]). Indicate approximate locations of tables and figures directly in the electronic text. Authors should distinguish clearly between main and subsidiary headings. Headings should not be numbered. Equation editor objects are not allowed within paragraphs.

**Introduction.** It should state previous relevant work with appropriate references, the problem investigated, and the aim of the work. A detailed literature survey or a summary of the results should be avoided.

**Theoretical part.** It gives, if necessary, the theoretical basis of the work performed, such as models, *etc.* **Experimental.** The methods and materials used should be stated clearly and in sufficient detail to permit the work to be repeated by others. Only new techniques should be detailed; known methods must have adequate references.

**Results and Discussion.** Results should be presented concisely, with tables or illustrations for clarity. The significance of the findings should be discussed without repetition of the material in the Introduction. An adequate indication of the level of experimental error and the statistical significance of the results should be given. The number of illustrations, graphs, and chemical formulae must be minimal.

**Conclusion.** It should indicate the significant contribution of the manuscript with its applications (**maximum 200 words**).

**Nomenclature:** If symbols, letters, and abbreviations are used in the text, they should be listed with their explanations. Define abbreviations that are not standard in the field at their first mention. Ensure consistency of abbreviations throughout the manuscript.

**Appendices.** If there is more than one appendix, they should be identified as A, B, *etc.* Equations, tables, and figures in appendices should be given separate numbers: Eq. (A.1), Table A.1, Fig. A.1, *etc.*

**References:** References should start on a separate page. All publications cited in the text should be presented in a list of references (and vice versa). The list of references should be arranged according to their appearance in the text. Give names of all authors (do not use "*et al.*"), with their initials before the respective surnames. Exclude article titles in journals. Journal titles should be abbreviated according to the Chemical Abstracts Service Source Index, 2005 edition, and supplements. The abbreviated titles should be followed by the volume number, year (in parentheses), and first and last page numbers.

#### **Examples:**

1. A.B. Wilchem, B.C. Wilchem, *Chem. Ind. Chem. Eng. Q.* 18 (2012) 123-125. <https://doi.org/10.xxxx/xxxx> \*
2. C.D. Wilchem, *Textbook of Chemistry*, Publisher, City (2012), p. 123. <https://doi.org/10.xxxx/xxxx> \*
3. D.E. Wilchem, in *Chemistry Handbook*, E. Editor Ed., Publisher, City (2012), p. 123. <https://doi.org/10.xxxx/xxxx> \*
4. E.F. Wilchem, Title of the Proceeding, in *Proceeding of Name of the Conference or Symposium*, Place of the Conference, Country (2012), p. 100. <https://doi.org/10.xxxx/xxxx> \*
5. F.G. Wilchem, (Holder), Country Code and patent number (registration year)

*\*(as active link). If doi does not exist, provide the link to the publication's online version or ISBN for books.*

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The Author (s) can be mentioned at their first citation in the text without initials. For papers with one or two authors, state the surname(s), for example, Wilchem and Wilchem [1], and for papers with three or more authors, you should use the first authors' surname followed by *et al.* for example, Wilchem *et al.* [1].

References in the abstract should be avoided, but if essential, they must be given in full. The citation of a reference as 'in press' implies that it has been accepted for publication. Unpublished results and personal communications should be included in the reference list as 'Unpublished results' or 'Personal communication.'



**The maximum references should be 20, 40, and 80 for short communications, original research papers, and review papers, respectively.**

**Acknowledgments.** These should be kept to a minimum.

**Tables:** Tables should be discussed in the manuscript's main text and placed after the references, with each table placed on a separate page, numbered consecutively in the order to which they are referred, and given a suitable caption. Tables have to be prepared by the "Insert Table" tool incorporated in all MS Word text processors. Each table should have a brief descriptive title. Footnotes to tables should be typed below the table and referred to by superscript lowercase letters. No vertical rules should be used. Tables should not duplicate results presented elsewhere in the manuscript (*e.g.*, in graphs). Simple one-parameter tables should be avoided. **Please note that the maximum number of tables allowed is 5 if there is no figure.**

### **Preparation of Illustrations**

Use uniform lettering and sizing of original artwork.

- Save text in illustrations as "graphics."
- Number the illustrations according to their sequence in the text.
- Provide all illustrations as separate files.
- Provide captions to illustrations separately.
- Produce images near the desired size of the printed version.

The electronic artwork should be converted to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below.):

**EPS:** Vector drawings. Embed the font or save the text as "graphics."

**TIFF:** Greyscale photographs (halftones): Always use a minimum of 300 dpi.

**TIFF:** Bitmapped line drawings: Use a minimum of 1000 dpi.

**TIFF:** Combinations bitmapped line/halftone (greyscale): A minimum of 500 dpi is required.

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**Formulae and Equations:** They must be written carefully using the corresponding formula/equation editor. The equations written in newer versions of equation editors incorporated into Word 2007 or above are unacceptable. The authors are strongly encouraged to use external Microsoft equation editors from earlier MS Word or MathType versions. Use parentheses freely to avoid ambiguities. Make a distinction between the digit "one" and the letter "I" and between the digit "zero" and capital "O." Do not use the small letter "o" for zero. Equations should be numbered (1), (2) *etc.*

**Units:** Authors are requested to use SI (metric) units. Although SI units are preferred, the use of liters (L) with the appropriate derivation and Celsius degree (°C) is acceptable as long as the use is consistent throughout the manuscript.

**Plants, animals, and microorganisms:** They should be given their full binominal Latin name, in italics, in the title, abstract, headings, and legends of tables and figures, and at the first mention in the text. A collection number, strain number, or name should be quoted, *e.g.*, *Escherichia coli* (K12). After that, abbreviate them in the text, *e.g.*, *E. coli*.

**Symbols, terminology, and abbreviations:** Internationally accepted usage is recommended. Symbols and abbreviations should be used consistently.

**Chemical nomenclature:** Follow the usage of Chemical Abstracts whenever possible.

The names and locations of suppliers/equipment makers, chemicals, *etc.*, should be provided. The details should be given in the first mention, then subsequently only the maker's/supplier's name.

## Supplementary material

Electronic supplementary material to support and enhance scientific research is welcome. Authors are encouraged to supply the illustrations and tabulated data as supplementary material if these were not discussed in detail in the manuscript but straightforwardly confirm the presented findings. Supplementary files will be published online along with the electronic version of an article. Please provide the supplementary material to ensure your submitted material is directly usable. Authors should submit the material in electronic format and the article and supply a concise and descriptive caption for each file. Appropriate reference to the supplementary material must be clearly stated in the manuscript.

## Graphical Abstract

Graphical abstract to visually summarize and communicate scientific research is welcome. However, authors are responsible for the quality of their submitted artwork. Image size must be at least 500×800 pixels (width×height) and a minimum resolution of 300 dpi. If a larger image is sent, please use the same ratio: 10 wide × 16 high. If possible, please use the font Calibri or Arial for labeling the artwork and ensure it is of the appropriate size. Only the following fonts should be used in artwork: Calibri, Arial, Helvetica, and Symbol. All layers should be merged into one layer before saving the final image (Flatten Artwork). The Journal aspires to have a uniform look for all artwork in a single article. Hence, it is important to be aware of the journal's style.

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Minimal size	50	354	591	1181	Large size	120	1063	1772	3543
Small size	80	709	1181	2362	Maximal size	150	1417	2362	4724

A: 300 dpi > RGB or Grayscale image; B: 500 dpi > Combination artwork (line/grayscale/RGB); C: 1000 dpi > Line artwork

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## Additional Information

**Review Process:** All manuscripts are sent to at least two independent referees who will be asked to complete the refereeing job within 4 to 6 weeks. The Editors will make the final decision regarding acceptance. Manuscripts may be sent back to authors for revision if necessary. Revised manuscript submissions should be made after receiving the referees' comments.

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**Author Services:** For inquiries relating to submitting manuscripts, please send an e-mail to the Editor ([ciceq@ache.org.rs](mailto:ciceq@ache.org.rs))

## Submission checklist

Before sending it to the Editor for review, ensure that the following items are present:

- One Author designated as Corresponding Author:
- E-mail address
- Full postal address
- Telephone and fax numbers
- Highlights
- Keywords
- Page length
- Number of figures
- All figure captions
- All tables (including title, description, and footnotes)
- The manuscript has been "spellchecked."
- References are in the correct format
- All references mentioned in the Reference list are cited in the text, and vice versa
- Permission has been obtained for the use of copyrighted material from other sources (including the Web)
- Figures are black-and-white
- All necessary files have been included
- The novelty in results/findings or significance of results is stated in the cover letter

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