

Guidelines for Authors

Journal of Water Chemistry and Technology, published by the National Academy of Sciences of Ukraine, is an international scientific and technical journal. The journal is issued in English in cooperation with the distributor Springer Nature and the Allerton Press publisher (ISSN PRINT: 1063-455X, ISSN ONLINE: 1934-936X).

Subject Matter

Journal of Water Chemistry and Technology publishes new and original scientific theoretical and experimental articles on the following topical problems:

- New in water science;
- New in the science of natural phenomena;
- Theoretical foundations of technology and treatment of water;
- Physical chemistry of water treatment processes;
- Analytical chemistry of water;
- Water treatment technology and water demineralization;
- Biological methods of water purification;
- Natural waters;
- Ecological safety of the hydrosphere.

The publication of review articles on these topics is agreed with the editorial board.

By submitting the manuscript to the journal, the author guarantees that the corresponding text (original or translated into other languages or from other languages) has never been published and is not considered for publication elsewhere. Works that detail well-known phenomena and patterns described in the literature are not considered. Plagiarism, self-plagiarism, borrowing without permission are not allowed; self-citation should take no more than 20% of references. Articles must be exclusively on the journal's subject and comply with the Committee on Scientific Publication Ethics (COPE) rules. It is desirable to use supplementary materials with all the raw data to describe the research.

Submission of the Manuscript

The manuscript must be submitted electronically at jwct@ukr.net.

The editorial board asks authors to name three possible external reviewers in the cover letter. The journal uses a single-blind reviewing of the manuscripts; if one of the authors is a member of the editorial board, double-blind reviewing is applied.

The total volume of the manuscript should be 10 pages of text in A4 format (Times New Roman, font size 12 pt, double line spacing). The manuscript may contain 4 figures, 20 references, and 4 tables.

Critical reviews should summarize the results of recent research (no more than 20 pages, no more than 40–50 references).

The author should submit along with the manuscript:

- The Copyright Transfer Agreements, completed and signed by the author and all co-authors (see appendix <http://www.jwct.org.ua/guide-for-authors-en.html>);
- A cover letter from the author, and for collective works, a letter from the author responsible for correspondence; The cover letter can be sent both in paper and electronic (print, sign, scan) form and must include Guarantees on the Part of the Authors (see appendix).
- Information about the authors: full name, name of institution, its postal address, city, country, and zip code, contact information (phone number, e-mail address). The corresponding author should be indicated;
- An expert evaluation or a letter from the institution on the possibility of publication.

Structure of the Manuscript

The manuscript should include the following elements:

- 1. Title**, specific and informative;
- 2. List of all authors** (initials and surnames);
- 3. Affiliations of the authors:** complete (without abbreviations) name of institution, its postal address, city, country, and zip code. If there is more than one affiliation, make clear the matching between each surname and the corresponding address;
- 4. Abstract**, 1800–2000 symbols in length. The abstract should describe the methods and main results of the study. It should be clear from the abstract what issues were addressed in the research and what answers were obtained;
- 5. Keywords** should contain 5–8 words or short phrases that accurately reflect the content of the manuscript.
- 6. Funding.** All grants and other financial sources should be indicated.
- 7. A conflict of interest** is any relationships or spheres of interest that may directly or indirectly influence or bias the work

The main text of the manuscript should be structured as follows:

Introduction indicates the statement of the problem, relevance, analysis of recent publications, purpose, and objectives of the work. The volume of the introduction should not exceed two pages.

Experimental.

Results and Discussion. Experimental data are given in the text of the manuscript. Do not duplicate data in tables and figures.

Conclusions contain the main results of the work.

References, a list of cited publications.

General Requirements for Formatting the manuscript

The text of the manuscript should be typed in a Microsoft Word text editor as a *.doc or *.docx file, in Times New Roman, font size 12 points, double line spacing. Make the top, bottom, and left margins of 20 mm and the right margin of 10 mm.

All pages, including tables, figure captions, and a list of references, should be numbered consecutively. All abbreviations used in the text should be explained at the first mention. Avoid using conventional abbreviations for adjectives; use, whenever possible, simple and common symbols. Tables and figures are numbered in the order of their mention in the text. Equations are typed in *Italics* and numbered in parentheses. All values in equations should be deciphered (with units of measurement indicated), except for a few commonly used ones.

The manufacturers' names should be given in the original language, and the names of chemical compounds are indicated according to the IUPAC terminology. Use the international SI system for dimensions of physical and chemical units: kg, g, mg, ng, km, m, dm, cm, mm, μm , nm, day, h (hour), min (minute), s (second), ms, μs , ns, K (degree Kelvin), $^{\circ}\text{C}$ (degree Celsius), cal, kcal, J, kJ, mol, mmol, μmol , mol/dm^3 , M (molarity), mM, μM , g-at, g-eq, $\text{g-eq}/\text{dm}^3$, ppm, %.

The title of the manuscript should be indicated in bold type with heading capitalization and aligned to the center. **Initials and surnames of the authors** are given in Roman type and aligned to the center. **The full name of the institution** in which the study was carried out is indicated on a new line, in italics, with the alignment to the center. Authors from different institutions are marked to the right of their names with superscripts corresponding to the organization's names.

Figures. Graphs, charts, and diagrams should be submitted in one of the following formats: *.ai, *.eps, *.xls, *.opj (Illustrator, Excel, Origin) so that they can be edited. They are plotted without a coordinate grid; the abscissa and ordinate axes are given short names indicating the units of measurement after the decimal point. Marks on the axes are applied with projections

on the outside. Curves in figures are designated by numbers (italics), explanations of which are given separately in the figure captions. The text in the figures should be 9–10 pt. It is not recommended to use a set of figures containing one or two curves of the same type; they should be combined.

Figures are placed in separate sheets after the main text and numbered in the order of their arrangement. The parts of the figures are designated by letters a, b, ..., placing them above the corresponding parts. Clear and high-contrast micrographs are also allowed as illustrations, which are submitted in *.tif or *.jpg formats with the resolution of 300 dpi. If necessary, only contour geographic maps are used.

Tables should be simple in design; they are numbered in the order in which they are mentioned in the text. Tables should be drawn on separate sheets using the MS Word text editor. All the tables should have the title; additional information is given below the table. All columns in the table must have headings. Abbreviations of words in tables are not allowed.

Equations must be typed in the Equation or MathType editor. The symbols in the description of the equation must be identical to those in the equation itself; we recommend using the Microsoft Word editor service. Latin letters should be indicated in italics, carefully write out letters *q* and *g* that are similar to each other as well as *l* and *e*; *I*, *J*, *Y*, etc.

The list of references should be given at the end of the manuscript. References to publications are numbered sequentially in the order of their citation in the text. References to unpublished or unfinished work are not allowed. The titles of articles, monographs, collections of works, abstracts of reports, abstracts of dissertations, and preprints must be indicated in full. For articles, the names of all co-authors should be given, followed by the title of the publication, year, volume, number, initial, and the final page; for monographs, the city and the year of publication should be indicated. All sources must be available; the cited articles should be accompanied by their doi information.

REFERENCES

Books

1. Reddy, A.G.S., *A Text Book on Water Chemistry: Sampling, Data Analysis and Interpretation*, New York: Nova Science, 2020.
2. Kemmerich, M., Technological developments in the determination of emerging contaminants in water, in *Effects of Emerging Chemical Contaminants on Water Resources and Environmental Health*, Shikuku, V.O., Ed., IGI Global, 2020, pp. 81–108.

Journal articles

1. Li, X., Zhang, L., and Wu, J., Performance of removing lead ion in water using tetraethylenepentamine dithiocarbamate as chelating agent, *J. Water Chem. Technol.*, 2021, vol. 43, no. 5, pp. 387–303. <https://doi.org/10.3103/S1063455X2105009X>
2. Gatto, B., Paniconi, C., Salandin, P., and Camporese, M., Numerical dispersion of solute transport in an integrated surface–subsurface hydrological model, *Adv. Water Resour.*, 2021, vol. 158, 104060. <https://doi.org/10.1016/j.advwatres.2021.104060>

Meeting Papers

1. Tudor, B.M., Teo, Y.M., and See, S., Understanding off-chip memory contention of parallel programs in multicore systems, *Proc. Int. Conf. on Parallel Processing*, Taipei, 2011, pp. 602–611. doi 10.1109/ICPP.2011.59

Patents

1. Weinberg, N.L., Tomantschger, K., Feldstein, R.S., Genders, J.D., and Rait, J.M., Apparatus for electrolysis of water, US Patent 7452449, 2008.
2. Miracle, G.S., Leuco triphenylmethane colorants as bluing agents in laundry care compositions, EEC Patent EP3535373B1, 2009.

Standards

1. *ISO 6060:1989. Water Quality. Determination of the Chemical Oxygen Demand*, 1989.
2. *GOST (State Standard) 30813-2002: Water and Water-Preparation. Terms and Definitions*, Moscow: Standardinform, 2010.

Dissertations

1. Mills, T.J., Water chemistry under a changing hydrologic regime: Investigations into the interplay between hydrology and water-quality in arid and semi-arid watersheds in Colorado, USA, *PhD Thesis*, Boulder: Univ. Colorado, 2016.

Manuscripts exceeding 10 pages in volume or performed with the ignorance of at least one of the above elements may be rejected without consideration on their merits. If the article is sent to the authors for revision, its new version (together with the original and the authors' response to all comments) must be returned to the editorial office within 2 months. After this period, the manuscript is considered a new submission.

The authors should obtain permission for any data (fragments of text, tables, figures, diagrams, graphics, photographs, etc.) borrowed from other works; the permission is submitted together with a manuscript. The editors, in turn, attach copies of these permissions to the manuscript sent to the Publisher.

For any general pre-submission queries, please contact the editorial board

- Journal of Water Chemistry and Technology, Dumansky Institute of Colloidal Chemistry and Water Chemistry, National Academy of Sciences of Ukraine, Akademika Vernadskogo Boulevard, 42, Kyiv, 03142 Ukraine
- e-mail: jwct@ukr.net
- phone +38 (044) 424 3126
- Web site <http://jwct.org.ua/>

Appendix 1. The forms of the **Copyright Transfer Agreement** (Word, doc, docx) are completed in a computer, signed by all the authors (clear electronic signatures on a white background are allowed), and submitted to the editorial board in electronic format *.doc (*.docx) or as separate multipage PDF files. The copyright transfer agreement does enter into force in the case and since the manuscript is accepted for publication.

2. Guarantees on the Part of the Author (to be completed and signed by all authors of the manuscript:

1. The author guarantees that this manuscript has not been previously published and will not be published anywhere before its publication by the Publisher, and the copyright for its publication has not been transferred to another publisher.
2. The author guarantees that this manuscript is the author's original work and is not a copy of any other work. The author also guarantees that he/she has obtained all necessary permissions to use the copyrighted material in his manuscript.
3. The author guarantees that the use by the Publisher of the copyright acquired as a result of this agreement will not entail an infringement of the copyright of any person or organization and will not lead to the disclosure of classified or confidential information.

Name: _____

Position: _____

Institution: _____

Date: _____

Signature: _____