

## Guide for authors

Please follow these instructions carefully to ensure that the review and publication of your paper are as swift and efficient as possible. These notes may be copied freely.

### Journal policy

“Chemistry Journal of Moldova. General, Industrial and Ecological chemistry” seeks to publish experimental or theoretical research results of outstanding significance and timeliness in all fields of Chemistry, including Industrial and Ecological Chemistry. The main goal of this edition is strengthening the Chemical Society of Moldova, following development of research in Moldovan chemical institutions and promotion of their collaboration with international chemical community. Publications may be in the form of *Short Communications*, *Full Papers* and *Review Papers*.

The contents of papers are the sole responsibility of the authors, and publication shall not imply the concurrence of the Editors or Publisher.

*Short Communications* should describe preliminary results of an investigation and for their significance are due to rapid communication. For this kind of publications, experimental confirmation is required only for the final conclusion of the communication. Maximum allowed length – 2 pages.

*Full Papers* should describe original research in chemistry of high quality and timeliness. Experimental work should be accompanied by full experimental details. Priority will be given to those contributions describing scientific work having as broad appeal as possible to the diverse readership. Maximum allowed length – 6 pages.

*Review Papers* are specially commissioned reviews of research results of topical importance. Maximum allowed length – 20 pages.

The language of submission is English, articles in other languages will not be considered. Papers are submitted on the understanding that the subject matter has not been previously published and is not being submitted elsewhere. Authors must accept full responsibility for the factual accuracy of the data presented and should obtain any authorization necessary for publication. All papers are sent to referees who advise the Editor on the matter of acceptance in accordance with the high standards required.

Referees' names are not disclosed, but their views are forwarded by the Editor to the authors for consideration. Authors are strongly encouraged to suggest the names and addresses of suitable referees.

### Journal conventions

*Nomenclature*: Authors will find the following reference books and websites useful for recommended nomenclature. It is the responsibility of the author to provide correct chemical nomenclature.

- IUPAC Nomenclature of Organic Chemistry; Rigaudy, J.; Klesney, S. P., Eds; Pergamon: Oxford, 1979.
- A Guide to IUPAC Nomenclature of Organic Compounds (Recommendations 1993); Panico, R.; Powell, W. H.; Richer, J. C., Eds; Blackwell Publishing: Oxford, 1993.
- <http://www.acdlabs.com/iupac/nomenclature>
- <http://www.chem.qmul.ac.uk/iupac/>

*X-ray crystallographic data*: Prior to submission of the manuscript, the author should deposit crystallographic data for organic and metal-organic structures with the Cambridge Crystallographic Data Centre. The data, without structure factors, should be sent by e-mail to: [deposit@ccdc.cam.ac.uk](mailto:deposit@ccdc.cam.ac.uk), as an ASCII file, preferably in the CIF format. Hard copy data should be sent to CCDC, 12 Union Road, Cambridge CB2 1EZ, UK.

A checklist of data items for deposition can be obtained from the CCDC Home Page on the World Wide Web (<http://www.ccdc.cam.ac.uk/>) or by e-mail to: [fileserv@ccdc.cam.ac.uk](mailto:fileserv@ccdc.cam.ac.uk), with the one-line message, send me checklist. The data will be acknowledged, within three working days, with one CCDC deposition number per structure deposited. These numbers should be included with the following standard text in the manuscript: Crystallographic data (excluding structure factors) for the structures in this paper have been deposited with the Cambridge Crystallographic Data Centre as supplementary publication numbers CCDC ... . Copies of the data can be obtained, free of charge, on application to CCDC, 12 Union Road, Cambridge CB2 1EZ, UK [fax: 144-(0)1223-336033 or e-mail: [deposit@ccdc.cam.ac.uk](mailto:deposit@ccdc.cam.ac.uk)]. Deposited data may be accessed by the journal and checked as part of the refereeing process. If data are revised prior to publication, a replacement file should be sent to CCDC.

*Experimental:* Authors should be as concise as possible in experimental descriptions. The Experimental section must contain all the information necessary to guarantee reproducibility. An introductory paragraph containing information concerning solvents, sources of less common starting materials, special equipment, etc. should be provided. The procedures should be written in the past tense and include the weight, mmol, volume, etc. in brackets after the names of the substances or solvents. General reaction conditions should be given only once. The title of an experiment should include the chemical name and compound number of the product prepared: subsequently, these compounds should be identified by their number. Details of the work up procedure must be included. An experimental procedure is not normally required for known compounds prepared by a literature procedure; in such cases, the reference will suffice. For known compounds prepared by a novel procedure, comparative data together with the literature reference are required (e.g. m.p. and published m.p. with a reference to the latter).

*Characterization of new compounds:* All new compounds should be fully characterized with relevant physical and spectroscopic data, normally including compound description, m.p./b.p. if appropriate, IR, NMR, MS and  $[\alpha]_D$  values for enantiopure compounds. In addition, microanalyses should be included whenever possible (normally  $\pm 0.4\%$ ). Under appropriate circumstances, and at the Editor's discretion, high resolution mass data (normally to  $\pm 5$  ppm) may serve in lieu of microanalyses; in this case a statement must be included regarding the purity of the products and how this was determined [e.g. all new compounds were determined to be  $>95\%$  pure by HPLC (or GLC or  $^1\text{H}$  NMR spectroscopy)]. For compound libraries prepared by combinatorial methods, a significant number of diverse examples must be fully characterized (normally half of the members for libraries up to 40 compounds, 20 representative examples for bigger libraries). Resin-bound intermediates do not have to be fully characterized if acceptable characterization of released products is provided. No supplementary data are accepted in addition to the basic material.

## Manuscript preparation

Please follow these guidelines for manuscript preparation. An example of manuscript formatting is provided after the descriptive part of the document.

*General requirements:* Manuscripts will be accepted only in electronic form in A4 format, one column layout, single-spaced, margins 2.5 cm on all sides (see the sample formatting page). Pages must be numbered. The corresponding author's full mailing address, plus phone and fax numbers and e-mail address should be included. The manuscript should be compiled in the order depending on the paper type.

A theoretical or physicochemical paper normally contains the *Title, Authors, Affiliations, Abstract, Keywords*, a brief *Introduction* and formulation of the problem, an *Experimental Section* (or methodical part), *Results and Discussion, Conclusion*, followed by *Acknowledgments and References*.

A paper devoted to synthesis contains the *Title, Authors, Affiliations, Abstract, Keywords, Introduction, Results and Discussion, Conclusion, Experimental, Acknowledgments and References*.

**Graphical Abstracts:** Authors must supply a graphical abstract at the time the paper is first submitted. It will include the article title and authors with the same formatting as in the article. The abstract body should summarize the contents of the paper in a concise, pictorial form designed to capture the attention of a wide readership and for compilation of databases. Carefully drawn chemical structures are desired that serve to illustrate the theme of the paper. Authors may also provide appropriate text, not exceeding 50 words. The whole graphical abstract should be kept within an area of 5cm by 17cm. Authors must supply the graphical abstract on a separate page integrated in the article file. The graphics which is a part of the graphical abstract should be sent separately in its original format.

**Title:** The title should be brief, specific and rich in informative words; it should not contain any literature references or compound numbers. The title is in size 14 pt Bold (all capital letters).

**Authors and affiliations:** Where possible, supply given names, middle initials and family names for complete identification. Indicate all the authors in order of their affiliation and provide affiliation address after the author's names. Addresses should be as detailed as possible and must include the country name. The corresponding author should be indicated with an asterisk, and contact details (fax, e-mail) should be placed after nomination of the authors. There should be only one corresponding author. The names of the authors are in size 12 pt Normal and the name of the organization and its address are in size 9 pt Italic.

**Abstract:** Authors must include a short abstract of approximately four to six lines that states briefly the purpose of the research, the principal results and major conclusions. References and compound numbers should not be mentioned in the abstract unless full details are given. The abstract body is 9 pt in size with the heading in bold.

**Keywords:** Authors are expected to provide maximum 5 keywords using 10 pt font size with the heading in bold.

**Text:** Text should be subdivided in the simplest possible way consistent with clarity. Headings should reflect the relative importance of the sections. Ensure that all tables, figures and schemes are cited in the text in numerical order. The graphics and artworks should be integrated in the paper. Trade names should have an initial capital letter, and trademark protection should be acknowledged in the standard fashion, using the superscripted characters TM and ® for trademarks and registered trademarks respectively (although not for words which have entered common usage, e.g. pyrex). All measurements and data should be given in SI units where possible. Abbreviations should be used consistently throughout the text, and all nonstandard abbreviations should be defined on first usage. Authors are requested to draw attention to hazardous materials or procedures by adding the word CAUTION followed by a brief descriptive phrase and literature references if appropriate. The experimental information should be as concise as possible, while containing all the information necessary to guarantee reproducibility. The text body is 10 pt in size with the heading in bold.

**Acknowledgments:** This is an optional section. The authors have to decide acknowledgement of certain collaborators, funds or programs who contributed in a way to the research described in the paper.

**References:** In the text, references should be indicated by Arabic numerals taken in square brackets, which run consecutively through the paper and appear before any punctuation; ensure that all references are cited in the text and vice versa. The reference list should preferably contain only literature references; other information (e.g. experimental details) should be placed within the body of the text. Preferably, each reference should contain only one literature citation. Authors are expected to check the original source reference for accuracy. Journal titles should be abbreviated according to American Chemical Society guidelines (The ACS Style Guide; Dodd, J. S., Ed.: American Chemical Society: Washington, DC, 1997). Inclusive pagination is strongly recommended. Book references [2,3] should cite author(s), chapter title (if applicable), editor(s), book title, edition/volume, publisher name, publisher location, date and pages. Examples, including a thesis citation, 4 are shown below.

- [1] Barton, D. H. R.; Yadav-Bhatnagar, N.; Finet, J.-P.; Khamsi, J. Tetrahedron Lett. 1987, 28, 3111–3114.
- [2] Katritzky, A. R. Handbook of Organic Chemistry; Pergamon: Oxford, 1985; pp 53–86.
- [3] Smith, D. H.; Masinter, L. M.; Sridharan, N. S. In Heuristic DENDRAL: Analysis of Molecular Structure.
- [4] Wipke, W. T.; Heller, S. R.; Feldmann, R. J.; Hyde, E., Eds. Computer representation and manipulation of chemical information. John Wiley: New York, 1974; pp 287–298.
- [5] Cato, S. J. Ph.D. Thesis, University of Florida, 1987.

*Footnotes:* Footnotes should appear at the bottom of the appropriate page and be indicated by the following symbols: \*, †, ‡, §, ¶, k.

*Tables:* All tables should be cited in the text, and numbered in order of appearance with Arabic numerals. All table columns should have a brief explanatory heading and where appropriate, units of measurement. Vertical lines should not be used. Footnotes to tables should be typed below the table, each on a separate line, and should be referred to by superscript letters.

*Artwork:* Only black and white artwork will be accepted. Figures, schemes and equations must be cited in the text and numbered in order of appearance with Arabic numerals; other graphics should be placed at a particular position in the text but not specifically referenced. All graphics (including chemical structures) must be supplied in digital format integrated into the paper. If graphics are created using ChemDraw the preferred settings is RSC-1997.cds set (File/Apply settings/RSC-1997.cds): font 7 pt Arial, chain angle 120°, bond spacing 20% of length, fixed length 0.43 cm, bold width 0.056 cm, line width 0.016 cm, margin width 0.044 cm and hash spacing 0.062 cm. Compound numbers should be in bold face. Computer-generated illustrations, halftones and line/tones should also be provided where possible. The following points should be taken into consideration when preparing electronic graphic files:

*Preferred graphics programs:* ChemDraw, CorelDraw 6 and 7, Photoshop. *Restricted use:* ChemWindow, ISIS-Draw. *Unusable:* \*.doc files, Excel graphics, C-Design, Origin, ClarisDraw, ChemIntosh, MacDraw Pro. *Acceptable formats of all graphics programs:* TIFF, WMF, BMP, CDX, CDR.

Files of scanned line graphics can be accepted at a minimum resolution of 1000 dpi, for scanned halftones, 300 dpi, and scanned line/tones.

### Copyright guidelines

Upon acceptance of an article the copyright transfer will be automatic. This transfer will ensure the widest possible dissemination of information. If excerpts from other copyrighted works are included, the Author(s) must obtain written permission from the copyright owners and credit the source(s) in the article. Authors will be provided preprinted forms for use by Authors in these cases.

### Submission of manuscripts

Please send your contribution as an e-mail attachment to:

Journal Editor, Academician Gheorghe DUCA  
e-mail: chemjm@asm.md / chemjm@gmail.com

using Microsoft Word (Office 97 or higher for PCs) word processing soft.

Please prepare a single file (allowed formats: \*.doc or \*.rtf) containing on a separate page a short accompanying letter to the Editor, justifying why your article should appear in “Chemistry Journal of Moldova. General, Industrial and Ecological Chemistry”, followed by the article body with all schemes, figures, tables integrated in the text (though not crystallographic CIF files). On the last page of this file please provide the Graphical Abstract. Submission of figures and artwork in separate files is mandatory in their native formats.

**Authors should indicate the research field of their paper (see below) as well as the nature of contribution (Short Communication, Full Paper or Review Article) in their accompanying letters, along with their mailing address, daytime phone number and fax if available. Names and addresses of three potential referees are welcomed.** Authors will be notified by email if their contribution is received and accepted.

*Proofs:* Proofs will be dispatched via e-mail and should be returned to the publisher with corrections as quickly as possible, normally within 48 hours of receipt.

***Fields of research:***

- |                         |  |  |
|-------------------------|--|--|
| 1. Analytical chemistry | 4. Industrial chemistry                    | 7. Organic chemistry                       |
| 2. Ecological chemistry | 5. Inorganic and coordination chemistry    | 8. Physical chemistry and chemical physics |
| 3. Food chemistry       | 6. Natural product chemistry and synthesis | 9. Supramolecular chemistry                |

**A CONTRIBUTION TO “CHEMISTRY JOURNAL OF MOLDOVA. GENERAL, INDUSTRIAL AND ECOLOGICAL CHEMISTRY” (14 pt Bold, All CAPITALS)**

First Author<sup>a</sup>, Second Author<sup>a\*</sup>, and Third Author<sup>b</sup> (12 pt Normal) (no titles please)

<sup>a</sup>*First Organization, First Address (9 pt, Italic)*

<sup>b</sup>*Second Organization; Second Address (9 pt, Italic)*

\* *E-mail, phone and fax numbers of the corresponding author*

**Abstract.** This document is an example of a contribution to be submitted to “Chemistry Journal of Moldova. General Industrial and Ecological Chemistry”. This is the abstract in font size: 9 pt with the heading in bold. Please use the Times New Roman font. The title is in size 14 pt Bold (all capital letters), the names of the authors are in size 12 pt Normal and the name of the organization and its address are in size 9 pt Italic. The rest of the text is in single-space, typed in a one column layout and font size 10 pt.

**Keywords:** Insert a maximum of 5 keywords that will facilitate database searching.

### **1. Introduction (Headings - 10 pt Bold)**

Contributions should comprise an even number of pages. There are no limits to the contribution size. Authors are also kindly requested to adhere to the formatting instructions for font size and layout.

### **2. How to prepare your paper**

In MS Word, under the *File* menu, choose *Page setup* and set the *Top, Bottom, Left & Right Margins* as 2.5 cm, the *Gutter* as 0 cm, and the *Header and Footer* to 1.2 cm and choose *Apply to: Whole Document*. Then select the “*Paper Size*” tab and set the *Paper Size: A4* and *Orientation: Portrait*.

### **3. Figures and Tables**

Figure and table titles must be typed in bold and should appear below the figures and above the tables.

### **4. Equations**

Please use *italics* for symbols, bold face for vectors and normal fonts for standard functions (i.e. log, In, exp) and subscripts (i.e. //<sub>app</sub> i).

### **5. Acknowledgments (optional)**

You can acknowledge certain collaborators, funds or programs who contributed in a way to the research described in the paper.

### **6. References**

References should be numbered in the text in the order they are cited [1]. Multiple consecutive references may be abbreviated as [2-5]. The following style must be used for all contributions:

- [1] Barton, D. H. R.; Yadav-Bhatnagar, N.; Finet, J.-P.; Khamsi, J. *Tetrahedron Lett.* 1987, 28, 3111–3114.
- [2] Katritzky, A. R. *Handbook of Organic Chemistry*; Pergamon: Oxford, 1985; pp 53–86.
- [3] Cato, S. J. Ph.D. Thesis, University of Florida, 1987.

### **7. Graphical Abstract**

Please, supply a graphical abstract that will include title, authors (with the same formatting as in the article) and graphical abstract body. The whole graphical abstract should be kept within an area of 5cm by 17cm. The graphical abstract must be on a separate page integrated in the article file.

### **8. How to submit your document**

Please send your contribution as an e-mail attachment to Journal Editor, Academician Gheorghe DUCA (e-mail: chemjm@asm.md / chemjm@gmail.com), using Microsoft Word (Office 97 or higher for PCs). Please prepare a single file (allowed formats: \*.doc or \*.rtf) containing all schemes, figures, tables integrated in the text (though not crystallographic CIF files). In this file, please include on a separate page an accompanying letter justifying why your article should appear in “Chemistry Journal of Moldova. General, Industrial and Ecological Chemistry”. Submission of figures and artwork in separate files is mandatory in their native formats.