

Guidelines for Authors of *Fluid Dynamics*

1. GENERAL STATEMENT

Fluid Dynamics is the leading Russian journal for the publication of theoretical, computational, and applied research in the fields of aeromechanics, hydrodynamics, plasma dynamics, underground hydrodynamics, and biomechanics of continuous media. Special attention is given to new trends developing at the leading edge of science, such as theory and application of multi-phase flows, chemically reactive flows, liquid and gas flows in electromagnetic fields, new hydrodynamical methods of increasing oil output, and new approaches to the description of turbulent flows.

Manuscripts can be submitted from any country in the Russian or English language. There are no restrictions on a manuscript's length.

When submitting a manuscript to *Fluid Dynamics*, the authors guarantee that it has not been published either in the original or in translation to or from other languages and is not being considered for publication elsewhere.

For an article to be published, the authors should submit the manuscript together with the completed, signed, and scanned [copyright transfer agreement](#), which comes into force if the manuscript is accepted for publication. The editorial board of *Fluid Dynamics* encourages the authors to nominate three or four peer reviewers for their article.

All manuscripts submitted for publication will be examined by anonymous peer reviewers. Within one week upon receipt of the manuscript, the editorial board will inform the authors of the receipt of the manuscript and provide the receipt date and the registration number.

If the manuscript is returned to the authors for revision, the revised manuscript should be resubmitted within two months. After two months, the manuscript is considered a new submission. In a cover letter, the authors should describe changes made in the revised version and reply to all of the peer reviewer's comments.

Upon acceptance, no changes are allowed in the manuscript. When the article is published, the authors receive PDF files.

2. MANUSCRIPT STRUCTURE

The manuscript and all accompanying documents should be submitted via e-mail.

The following elements of a manuscript article are mandatory:

- The manuscript title as specific and informative as possible.
- The list of all authors. The corresponding author should be indicated.
- Affiliations of authors, postal address (please indicate the city, country, and zip code), and e-mail addresses. If the authors of an article have different affiliations, then it must be clear which affiliation belongs to which author. The e-mail address of the corresponding author is mandatory, because the proofs are sent to the authors only via e-mail. If there is only one author, it is advisable to indicate an alternative e-mail address. We recommend that this second e-mail account be accessible outside of the author's office. If there are several authors, it is advisable to indicate e-mail addresses of two or three authors who check their mail regularly.

– The abstract. The abstract should not be too short and should not contain references to other works. The more informative and detailed, the better chance that the article is found, read, and cited, because every abstract is used by numerous abstracting/indexing services.

– The main text. The manuscript should be uniform in terms of terminology. It is inadvisable to vary terminology: the text may become more varied but misleading. The authors should use unified notation, units of measure, and nomenclature. Abbreviations, except for common ones, should be avoided wherever possible. If an abbreviation is used, it should be explained in the text on first mention.

– References. The list of references should not be redundant, but it should be kept in mind that when you cite other authors, you increase the probability that your article will be read and cited as well, because

many people search for articles that cite their own works. Accurate references raise the value of your article. Citation of recent sources is strongly encouraged, and citing old works, dissertation theses, deposited manuscripts, proceedings of conferences, and other difficult-to-access literature should be avoided whenever possible.

In the absence of one or more of the aforementioned elements, the manuscript will not be accepted.

3. FORMAT OF THE MANUSCRIPT

All pages of the manuscript should be numbered, including the list of references, tables, and the list of figure captions. Equations, schemes, tables, figures, and references cited are numbered in the order of appearance in the text.

Main Text

When preparing the manuscript, please consider the following requirements:

The text should be presented in the Microsoft Word format. Other formats are acceptable upon agreement with the editorial board. Standard TrueType fonts (e.g., Times New Roman, Courier New, and Arial) should be used. The preferred editor for mathematical equations is MathType.

Manual line breaks should be used only at the end of a paragraph.

Physical units and designations accepted by the International System of Units (SI) should be used.

All superscripts and subscripts should be explained in the text.

Common archiving utilities (ARJ, ZIP, RAR, and others) can be used.

The manuscript can be in the \TeX or \LaTeX , but please indicate the subset and version of the publishing system and provide also a PDF file of the manuscript.

Tables

Tables are numbered consecutively with Arabic numerals. The title should follow the table number, at the head of the table. All columns in tables (and the tables themselves) should have headings and be separated by vertical lines. Abbreviations in tables are not permitted. Please do not created tables using manual tabs and multiple spaces; use special tools of the text editor for creating tables.

Illustrations

Illustrations are published as black-and-white greyscale images in the print version of the journal. Color illustrations will appear in the online version. Please make sure that automatic conversion of a color image into grey scale will not change the content of the image and that there is no reference to colors in the figure caption or in the main text. Each figure should have a caption. The figures are numbered consecutively in the order they appear in the text.

If illustrations are included in one file together with the text, each illustration should be duplicated in a separate file as well. All captions to figures are grouped and listed on a separate page.

When preparing illustrations, please consider the following requirements:

Use TIFF format with a resolution of 600 dpi. Illustrations prepared in commonly used graphics packages (CorelDraw, Adobe Illustrator, FreeHand, etc.) can be submitted in their native format or in encapsulated postscript (EPS) format.

References

The requirements for the list of references are as follows:

The section is titled REFERENCES.

All references should be given in the original language and numbered. Titles originally written in Japanese, Chinese, and other languages that use non-Latin symbols are written in Latin transliteration.

All references should be numbered consecutively in the order they appear in the text. Reference numbers in the text should be in square brackets.

Two or more references must not have one number and one reference must not appear under different numbers.

Reference format is as follows:

Use *Chemical Abstracts Service Source Index* (CASSI) style for abbreviating journal titles. Cite all authors, so not use *et al.* Sample citations are given below.

JOURNAL ARTICLE

Y. Li, N. R. Morrow, and D. Ruth, “Similarity Solution for Linear Counter- Current Spontaneous Imbibition,” *J. Petrol. Sci. Eng.* **39**, 309 (2003).

BOOK

R. I. Nigmatulin, *Dynamics of Multiphase Media* (Hemisphere, New York, 1989).

COLLECTED WORKS

A. Duchmann, A. Reeh, R. Quadros, J. Kriegsies, and C. Tropea, “Linear Stability Analysis for Manipulated Boundary Layer Flow Using Plasma Actuators,” in *7th IUTAM Symp. on Laminar–Turbulent Transition*, Ed. by P. Schlatter and D. Henningson (Springer, Heidelberg, 2010), p. 153.

Any manuscript that fails to meet the above requirements may be returned to the authors without consideration per se.