

The Journal of Samara State Technical University, Ser. Physical and Mathematical Sciences. Editorial Policy

The Editorial Board

1 June 2017

General information

The Journal of Samara State Technical University, Ser. Physical and Mathematical Sciences is the periodical scientific edition published by Samara State Technical University since 1996.

Samara State Technical University is one of eleven leading consolidated universities in Russia. Having century-plus long history now it is a top research and educational center in Volga region.

For a long time the journal was an edition where the new scientific results of Russian scientific schools had been published. Now the journal is focused on both Russian and foreign scientists, working in the priority research areas of Samara State Technical University because the main purpose of the journal is an open dissemination of scientific knowledge among Russian and foreign scientists.

Since 2011 the journal is a quarterly printed edition (four issues a year); issue size—200 p.; language of articles—Russian, English. The journal is published in printed and electronic version.

The editorial board takes and estimates the manuscripts irrespective of race, gender, nationality, heritage, citizenship, occupation, employment, residence, political, philosophic, religious and any other views of the author.

The contributed article should be a completed scientific research. It shouldn't have been published, or be in process of publication in other editions.

The manuscript should contain novel scientific results in the priority research areas of Samara State Technical University, including "Differential Equations and Mathematical Physics", "Mechanics of Deformable Solids", "Mathematical Modeling, Numerical Methods and Software Systems".

The journal is published at the expense of publisher. All materials are publishing free of charge, the author's fee is not provided. All materials of the electronic version are freely available.

The target audience of the journal are the scientists working in the following areas: "Differential Equations and Mathematical Physics", "Mechanics of Deformable Solids", "Mathematical Modeling, Numerical Methods and Software Systems".

The journal is indexed in the Russian Science Citation Index database on the Web of Science platform. The journal is indexed in VINITI abstracts databases. The issue details are publishing in ULRICH'S Periodical Directory. The journal articles are indexed in Scholar.Google.com, zbMATH, CyberLeninka.ru, Math-Net.ru. The journal is integrated in CrossRef and FundRef search systems.

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1 Aims and Scope

1. For a long time the Journal was an edition where the new scientific results of Russian scientific schools had been published. Now the Journal is focused on both Russian and foreign scientists, working in the priority research areas of Samara State Technical University because the main purpose of the journal is an open dissemination of scientific knowledge among Russian and foreign scientists.
2. The papers and reviews published in the Journal are devoted to the following topics: “Differential Equations and Mathematical Physics”, “Mechanics of Deformable Solids”, “Mathematical Modeling, Numerical Methods and Software Systems”.
3. The Journal pays special attention to the following tasks:
 - attraction of highly qualified authors, editors and reviewers to the Journal;
 - ensuring a high scientific level of reviewing all incoming manuscripts;
 - compliance with [COPE](#) standards.
4. The target audience of the journal is the scientists working in the following topics: “Differential Equations and Mathematical Physics”, “Mechanics of Deformable Solids”, “Mathematical Modeling, Numerical Methods and Software Systems”.

2 Section Polices

1. The original articles, review articles, short communications, and other manuscript types (Biographies, Letter to the Editor, Commentary, and etc.) published in the Journal are devoted to the following topics: “Differential Equations and Mathematical Physics”, “Mechanics of Deformable Solids”, “Mathematical Modeling, Numerical Methods and Software Systems”.
2. The Journal does not publish promotional materials.
3. Only one article of the same author could be published in the current issue, if there are several ones in editor’s hand. This article is chosen by the editorial board. The second one could be published in next issue, and so on. The editorial board is entitled to make a decision of publishing at most two articles of the same author simultaneously on extraordinary occasions.
4. All content of this journal is indexed in databases.

2.1 Research Articles

1. Research articles present original research and address a clearly stated hypothesis, goals, and questions. Papers should provide novel approaches and new insights into the problems addressed.
2. All manuscripts should be prepared with $\text{\LaTeX} 2_{\epsilon}$ (our [\$\text{\LaTeX}\$ template](#) should be used) and sent to the Editor by the [on-line manuscript submission service](#).
3. Generally, the text is limited to 7,500 words or 30 pages (without bibliography), with no more than a total of 8 tables and/or figures and generally at least 10 and not more than 50 references. Some manuscripts take more words and/or references (by permission of the Editor), others less.
4. All research articles should be structured (e.g. following the [IMRaD](#) style: introduction, methods, results and discussion).
5. Authors should follow the [guidelines for writing a manuscript for publication](#).
6. The contributed original article should be a completed scientific research. It should not have been published, or be in process of publication in other editions.
7. All research articles are sent to peer review.

2.2 Review Articles

1. Review articles are an attempt by one or more authors to sum up the current state of the research on a particular topic. Ideally, the author searches for everything relevant to the topic, and then sorts it all out into a coherent view of the “state of the art” as it now stands.
2. Review articles should inform about:
 - the main published results in a field;
 - recent major advances and discoveries;
 - significant gaps in the research;
 - current debates;
 - future directions and prospects.
3. Review articles can vary greatly in length. The review articles may range between 8,000 and 40,000 words or between 30 and 90 pages (bibliography, tables and figures also included).
4. Only review articles from experts in the field will be considered for publication.
5. All review articles are sent to peer review.

2.3 Short Communications

1. A short communication is for a concise, but an independent report representing a significant contribution to field of study.
2. Short communication is not intended to publish preliminary results, only if these results are of exceptional interest and are particularly topical and relevant.
3. The submission order and the structure of a short communication are similar to those of [an research article](#).
4. It should be no more than 2,500 words or 10 pages (without bibliography), and could include two figures or tables. It should have at least 8 references.
5. Short communications are also sent to peer review.

2.4 Other Manuscript Types (Biographies, Letter to the Editor, Commentary, and etc.)

1. The size of such manuscripts should be no more than 2500 words or 10 pages.
2. Such manuscripts are not sent to peer review.

3 Publication Frequency

Since 2011 the journal is a quarterly printed edition (four issues a year); issue size—200 p.; language of articles—Russian, English.

4 Open Access Policy

1. The journal provides immediate open access to its content on the principle that making research and information freely available to the public supports a greater global exchange of knowledge.
2. The electronic content of the journal is available for free and has Open Access without delay.
3. All content of this journal is distributed under the terms of the [Creative Commons Attribution 4.0 International \(CC BY 4.0; <https://creativecommons.org/licenses/by/4.0/deed>\)](#) License.
4. The journal content accepted to publication and/or published before January 1, 2017 is distributed by [CC BY 4.0](#) License according to the decision of the editorial board and the publisher.
5. We ask the authors of the previously published articles to inform the editorial board of the journal immediately (by e-mail: vsgtu@samgtu.ru) if they do not agree with [CC BY 4.0](#) License conditions.

5 Copyright Notice and Self-Archiving Policies

Authors who publish with this journal agree to the following terms:

1. The journal applies the [CC BY 4.0](#) Licence to all content we publish. Under the [CC BY 4.0](#) Licence, authors retain ownership of the copyright for their article, but authors allow anyone to download, reuse, reprint, modify, distribute, and/or copy articles in the journal, so long as the original authors and source are cited. No permission is required from the authors or the publisher.
2. Authors are able to enter into separate, additional contractual arrangements for the non-exclusive distribution of the journal's published version of the work (e.g., post it to an institutional repository or publish it in a book, translate it into another language), with an acknowledgement of its initial publication in this journal.
3. According to [SHERPA/RoMEO](#) classification this journal refers to the so-called "green" journals, i.e. permits authors to archive both pre-prints and post-prints of their papers. Authors are also permitted and encouraged to post their work online (e.g., in institutional repositories or on their website) prior to and during the submission process.

6 Peer Review Process

1. The manuscript is read and examined for conformity to the Guide for Authors by the editor (initial manuscript evaluation).
2. Failure to meet the [criteria](#) outlined may result in return of the manuscript for correction before evaluation.
3. Papers deemed suitable are then sent to a minimum of two independent reviewers to assess the scientific quality of the paper.
4. The reviewers are the acknowledged experts on the theme of the review subject with publications on this theme published in last three years.
5. This journal operates a single-blind peer review process or a double-blind peer review process, if it is possible to make for a specific paper.
6. The reviewers should adhere the journal policies for reviewing and the ethic guidelines.
7. The reviews are kept in the editorial office during 5 years.
8. The manuscripts are [evaluated](#) according to the following aspects:
 - Does the paper present novel concepts (theories), ideas, or data?
 - Are the scientific methods and assumptions valid and clearly outlined?
 - Are the results sufficient to support the conclusions?
 - Is the description of experiments and calculations sufficiently complete and precise to allow their reproduction by fellow scientists (traceability of results)?
 - Do the authors give proper credit to related work and clearly indicate their own new/original contribution?
 - Does the title clearly reflect the contents of the paper?
 - Does the abstract provide a concise and complete summary?
 - Is the manuscript well structured and clear?
 - Is the language fluent and precise?
 - Are mathematical formulae, symbols, abbreviations, and units correctly defined and used?
 - Should any parts of the paper (text, formulae, figures, tables) be clarified, reduced, combined, or eliminated?
 - Are the number and quality of references appropriate?
9. All the above items will be evaluated as outstanding, good, fair, mediocre or poor by an assessment form given to evaluators.
10. The article could be: accepted (with no further revision); revise; reject; reject (very preliminary results); reject (out of scope).
11. If the paper is accepted with revisions, it must be sent again for review to the same evaluators.

12. The editorial board makes a decision about the publication based on the reviewer's expert judgments taking into account the correspondence of the contributed materials with the thematic scope of journal, its scientific importance and actuality.
13. The authors can recommend the experts on the article subject to be invited as reviewers (no more than 2 persons).
14. The reviewers selection is the exclusive right of the editorial board.
15. The editorial board avoids involving as reviewers people probably having the conflict of interest. The authors can inform the editorial board about the people whose contribution as reviewers is not desirable because of conflict of interest possibility. The reasoning of this view is required.

7 Indexation

1. The journal is indexed in the Russian Science Citation Index database on the [Web of Science](#) platform.
2. The journal is indexed in [VINITI abstracts databases \(Russian\)](#).
3. The journal articles are indexed in [Scholar.Google.com](#), [OCLC WorldCat](#), Bielefeld Academic Search Engine (BASE), Open Access Infrastructure for Research in Europe (OpenAIRE), Research Papers in Economics (RePEc), Socionet, [CyberLeninka.ru](#), [Math-Net.ru](#), [eLibrary.ru](#).
4. The journal is integrated in [CrossRef](#) and [FundRef](#) search systems.
5. The issue details are publishing in ULRICH'S Periodical Directory.

8 Publishing Ethics¹

8.1 General Terms

- 1.1 This policy sets standards of ethical behavior for the parties involved in the publication process: authors, editorial board, reviewer, and publisher. The following standards are based on generally accepted and existing policies of Journal and Publisher.
- 1.2 The Federal State Budgeted Education Institution for Higher Education "Samara State Technical University", as the founder and editor of the Journal of Samara State Technical University, Ser. Physical and Mathematical Sciences, assumes obligations to control all stages of the publication process of articles and recognizes its ethical and other obligations related to the publication of articles.

8.2 Ethical Standards for Authors of Publications

- 2.1 **Standard for access to the source research data and its storage.** The author is obliged to present the source materials (data) of the research at the request of the editorial board, if the article does not show the original data, and must be prepared to provide public access to them. The author should store this data in a reasonable time after the publication to allow their reproduction and verification
- 2.2 **Standard for originality (inadmissibility of plagiarism).** The author presents the article containing the results of original research to the editorial board for reviewing. If the author of the article used or includes an article excerpts from others works (citations), such use must be properly executed by specifying the original source in the references to the article. Plagiarism in any form is unethical and unacceptable behavior of the author.
- 2.3 **Standard for semelincident publication.** The author presents to the editorial board manuscript, unpublished, and not given to the editorial board of any other journal. The manuscript is submitted simultaneously in several journals is unethical and unacceptable.
- 2.4 **Standard for sources confirmation.** The author undertakes to specify the correct scientific and other sources that were used in the research and which have had a significant impact on the results of a research in the references. The information obtained from informal (private) sources should not be used when making a scientific article.

¹These terms are in full taken from the website of the journal "PNRPU Mechanics Bulletin" (<http://vestnik.pstu.ru/mechanics/toauthors/ethics/?lang=eng>)

2.5 Standard for manuscript authorships. All persons who have made significant contributions to the research should be listed as co-authors of the article. The list of authors should be limited to only those persons. The author, who presents a manuscript to the editorial board, ensures that it have all co-authors, and they all have seen and approved the final manuscript and agree to its submission to the editorial board of the Journal of Samara State Technical University, Ser. Physical and Mathematical Sciences for publication.

2.6 Conflict of interest policy. Authors must disclose conflicts of interest that may affect the evaluation and interpretation of their manuscript. All sources of financial support for the article (grants, state programs, projects, etc.) should be disclosed and necessarily listed in the manuscript.

2.7 Standard for error correction in the published articles. If the author discovers a significant error or inaccuracy in the article already published, the author immediately notifies the editorial board and helps it in correcting the error. If the editorial board or third parties recognize the error in the article, the author is obliged to immediately correct the error or to provide evidence of its absence.

8.3 Ethical Standards for Editorial Board

3.1 Standard for decision to publish articles. The editorial board makes a decision on which of submitted articles, should to be published, based on the results of test for the requirements and the results of peer review. When making the decision to publish the manuscript editorial board is guided by the policy of ethical standards and does not permit the publication of articles with signs of libel, slander, plagiarism, copyright violations or conflict of interest. The final decision on publication of the article or to its refuse accepted by the editor-in-chief of the journal.

3.2 Standard for all authors equality. Editorial board evaluates submitted manuscripts regardless of race, gender, nationality, ethnic origin, citizenship, occupation, affiliation and residence, as well as its political, philosophical, religious or other views.

3.3 Privacy standards. Editorial board will not disclose information about the submitted manuscript to anyone other than the author, the reviewer (with single-blind review), and if necessary—the publisher.

3.4 Conflict of interest policy. Editorial board ensures that the refused manuscripts will not be used in another study of the editorial staff, without the written agreement of the author. The Editorial board will refuse to review manuscripts, if it is in competitive relationship with the author or organization associated with the results of the study, or if there is a conflict of interest. Editors shall require all participants in the publication process the disclosure of competing interests.

3.5 Standard for the author unethical behavior claims consideration. Editorial board reviews promptly each claim of unethical behavior of manuscript's authors regardless of the time of receipt. Editors will take appropriate reasonable steps in respect of such claims. If the arguments of the claims are true, then the Editorial board right to refuse publication of the article, to cease further cooperation with the author, to publish a rebuttal, and to take other necessary steps to prevent further unethical conduct by the person.

8.4 Ethical Standards for Reviewers

4.1 Standard for reviewer contribution to editorial decisions. Peer review of the manuscript provided by the reviewer promotes the adoption of editorial decisions, and helps the author to improve the manuscript. The decisions to accept the manuscript for publication, to returne the manuscript for revision, or rejection of the publication are accepted by the editorial board based on peer review results.

4.2 Standard for reviewing deadlines. The reviewer must provide a review in time for a date specified by Editorial board. If the review and preparation of the manuscript reviews on these dates is not possible, then the reviewer should notify the Editor.

4.3 Standard for privacy by the reviewer. Manuscript submitted for review should be treated as a confidential document, regardless of the form of peer-review chosen by the journal. The reviewer may show it or discuss it with others only with the agreement of the editor-in-chief.

4.4 tandard for review objective. The reviewer shall carry out peer review of the manuscript objectively. Reviewer's personal criticism is not valid. All reviewer conclusions should be strictly based and supplied with references to authoritative sources.

4.5 Standard for sources confirmation. Reviewers should indicate the presence of sources that have influenced the results of the research, but were not given by the author. The reviewer must pay attention to the substantial similarity or overlap between the manuscript under consideration and the other previously published work, which is known to reviewer.

4.6 Conflict of interest policy. The reviewer must not use the materials in an unpublished manuscript for his own researches without the written agreement of the author. The reviewer must refrain from reviewing the manuscript, in connection with which he has a conflict of interest because of the competitive, cooperative or other relationship with the authors or organizations related to the manuscript.

9 Publication Charges

1. The journal is published at the expense of publisher.
2. The journal does not have article processing charges (APCs). The journal does not have article submission charges.

10 Disclosure and Conflict of Interest

1. Unpublished materials disclosed in a submitted manuscript must not be used in a reviewer's own research without the express written consent of the author. Privileged information or ideas obtained through peer review must be kept confidential and not used for personal advantage.
2. All authors should disclose in their manuscript any financial or other substantive conflict of interest that might be construed to influence the results or interpretation of their manuscript.
3. Reviewers must not participate in manuscript review in case of conflict of interest resulting from competitive, collaborative and other interactions and relationships with any of the authors, companies or other organizations associated with the research presented in the manuscript.

11 Privacy Statement

1. The following authors' information, includes their names, affiliations, contact data, data on their held position and academic degrees, links to the authors' profiles, is placed in the article in the section "About the authors".
2. Authors' passport data and their place of residence entered in the journal editorial board will be used exclusively for the conclusion of a licence contract, for correspondence, and will not be made available for any other purpose or to any other party.
3. The reviewers' names are not disclosed to authors and any other party.

12 Guidelines on Plagiarism, Duplication and Redundancy of Publication

1. All submitted articles are checked for the illegal using of other works (plagiarism), duplication and redundancy of publication (including the translation from other languages).
2. The editorial board utilizes following online software programs to identify plagiarism: Antiplagiat (<http://samgtu.antiplagiat.ru/>) and Exactus Like (<http://like.exactus.ru/index.php/en/>).
3. If plagiarism, duplication or redundancy (including self-plagiarism) is found, the article is rejected without review as unacceptable.
4. The extended results represented at the conferences and seminars are not the cases of duplication or redundancy if those are published in journal by agreement with the editorial board and have the corresponding references.
5. The journal allows prior publication on preprint servers (excluding prior publication in other editions). Such article is not deemed having duplication or redundancy.
6. If a case of plagiarism or duplication comes to light after a paper is published in the Journal, the editor will use the Committee on Publication Ethics (COPE) [flowcharts](#) for retracting of such article.

13 Text Recycling

1. The submitted article (excluding the bibliography) should not have more than 15 percent of recycled text (text used in other publications of the author).
2. The journal allows text recycling only for including necessary definitions, formulating base principles etc for reading the article without additional sources. This case of text recycling is not self-plagiarism.
3. If authors consider necessary for reader to study some materials on similar subject or not included in the article, they can make the bibliography sufficiently complete to find these materials.