Rules for author

A scientific article for publication in the journal "Information and mathematical technologies in science and management" can be sent to the editorial office both to the official mail of the journal journal@isem.irk.ru and through the website (the "Login" button).

The articles received by the editorial board are considered by the editorial board and sent to reviewers (double-blind review). Attention is drawn to the relevance of the journal's subject matter, the scientific level of the work, the correctness of the work and the conclusions obtained, references to previous works (at least 11-15 references), the significance of the work, clarity of presentation when reviewing articles. We recommend highlighting the novelty and originality of methods and results in the conclusion of the article to assess the scientific level. We also recommend authors look through the Ethics for authors to simplify accepting the article for publication. For more information about the rules of reviewing, see the Journal Policy section.

The journal "Information and mathematical technologies in science and management" are published as a periodical four times a year. Articles submitted before mid-March are published in the first two issues of the journal. Articles sent before the beginning of November are published in the third and fourth issues. Articles sent later than the mentioned dates will be published in the first issue of the following year. The decision to publish a scientific article in the journal "Information and Mathematical Technologies in Science and Management" is made by the editor-in-chief based on the reviews received. The full texts of articles accepted for publication are posted on the journal's website in the "Archive" section, in the eLibrary with indexing in the RSCI, in the CyberLeninka electronic scientific library, and are sent by the corresponding author by post. In case of successful peer review for the publication of the article, it is necessary to sign an author's agreement (hard copy or scanned copy) for the publication of the article in the journal and the placement of the full text of the article in the eLibrary.

For graduate students, undergraduates, and students who are published without co-authors, it is additionally necessary to send recommendations (feedback on the article) from the supervisor.

Scope of the Journal

1. Theoretical and methodological aspects of information and mathematical technologies.

2. Methods and systems of artificial intelligence, intelligent computing.

3. Data mining, machine learning.

4. Informational and semantic modeling, semantic computing.

5. Ontological and cognitive engineering.

6. Mathematical modeling in scientific research, computational mathematics, optimization.

7. Methods of research on the sustainability of energy, socio-ecological and socio-economic systems.

8. Digital transformation of high-tech infrastructures.

9. Methods, technologies, and tools for creating intelligent energy systems.

10. Methods of construction and examples of implementation of Digital Twins.

11. Situational management, intelligent decision support systems in management.

12. Corporate information, geoinformation, intelligent systems.

13. Parallel, distributed, agent-based, and cloud computing.

14. Programming technologies and software engineering.

15. Cybersecurity (protection of information systems of critical infrastructures), cyber situational awareness.

Publishing ethics guidelines

Editorial board of the journal “Informational and mathematical technologies in science and management” expects authors to comply with the following international standards, developed by Committee on Publication Ethics (COPE):

Study being published must be conducted in accordance with ethical and legal standards.

Authors should use reliable and verified methods both for data analysis and processing, and methods for results display (if required, you should consult with a specialist).

Upon editor's request, authors must provide evidence that study, described in paper, has necessary permits, and was conducted with accordance to ethical standards (e.g. copies of approvals, licenses, participants' consent forms)

Researchers must not publish or distribute identifiable personal data obtained without person's explicit permission (or its representatives)

Results must be presented clearly, honestly, without any falsification of data manipulation. Researchers should strive to describe their methods and present their discoveries in clear and unambiguous way. Article must provide sufficient information that other researchers would be able to repeat experiments.

Researchers should carefully check their publications at all stages to guarantee that all their methods and results are presented accurately. Authors should carefully check all their calculations, data presentations, formed documentation and proofs.

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Researchers must comply following requirements: proposed article contains original material, is not a plagiarism and was not published anywhere at any language. Article cannot be sent simultaneously to several journals.

Researchers are collectively responsible for theirs work and article’s content. Appliable conventions and copyright law must be respected. Copyrighted materials (e.g. tables, numbers, or large quotes) may only be reproduced with the permission of their owners.

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Authorship of a research paper must accurately reflect the contributions of individuals to its carrying out and writing. Researchers must guarantee that only individuals who meet the criteria for authorship (those who made a significant contribution) are listed as authors and that authors who deserve authorship are not excluded from the list.

Researchers should strive for the most complete and unambiguous description of the used methods and results. Authors must use accepted style of research results’ presentation. Papers must contain enough information that other researchers would be able to repeat experiments. Limitations, used in research, must be explicitly specified. Authors must not reference to literature from other publications if they have not worked with this literature themselves.

Research centers and institutions should guarantee that their appointing system and research performance evaluation does not stimulate unacceptable practice such as duplicate publications, guest authorship and gift authorship.

Research report must be complete. It is unacceptable to omit information on inexplicable facts, contradictory data, and data that contradicts to authors’ or research sponsors’ theories and hypothesis.

New results must be presented in context of previous research. References should be made to the work of other scientists. The publication should include references to previous works related to it, both by the authors themselves and by other researchers. These references must be correct and accurate. In all possible cases, authors must refer to original source. Citations and references of other works should be correct and accurate.

Authors should disclose funding sources and potential conflicts associated with such sources.

Authors should comply generally accepted laws and conventions. Copyrighted material may only be reproduced with copyright holder's permission and with proper reference

Authors should notify editors that presented results were published earlier or there are works devoted to other type of analysis of the same data, etc., which are currently being reviewed in other journals. Copies of these works must be attached to the article.

Researchers guarantee that only those who made significant contributions to the work are included in the list of authors and that individuals, who deserved this, are not excluded.

Authors should cooperate with the editors to correct mistakes if any are found in the article.

Authors must comply with the requirement that article should be reviewed in only one journal at the same time.

Authors should reply to reviewers' comments appropriately and on time.

Journal's policy

Journal “Informational and mathematical technologies in science and management” is a peer-reviewed scientific periodical journal with a focus on theoretical, methodological and applied aspects of the development and application of modern information and mathematical technologies for solving scientific problems and problems of managing complex systems.

Journal publishes modern theoretical studies and methodological developments in areas of complex systems management, high-quality and innovative results of solving applied problems of managing complex systems, and review articles in such areas. These areas include, but not restricted to:

- Mathematical modelling and its application in research
- Methods and systems of artificial intelligence
- Semantic modelling
- Informational and computational technologies
- Decision support systems and informational systems
- Software systems
- Visualization of research results

The journal is aimed at researchers, engineers, lecturers, and post-graduate students, who develop and apply modern informational and mathematical technologies to solve applied problems.

Publication ethics

Publication ethics of the journal “Informational and mathematical technologies in science and management” adheres to the rules and terms of international Committee on Publication Ethics (COPE), published in Code of Conduct and Best Practice Guidelines for Journal Editors and principles of Association of Science Editors and publishers (ASEP), published in declaration “Ethic principles of scientific publications”. Researchers (authors) and experts (reviewers) should strive to professional ethics of, e.g. ISACA and ISC communities. The basic regulatory principles of the journal and its management are its OPENNESS and AWARENESS about its work.

The journal is guided by the principle of free open access to published research, which promotes the dissemination of global knowledge exchange.

Publications are free of charge. Journal does not publish paid advertisements. Materials about current relevant scientific events and achievements are published free of charge in "first come, first served" basis.

Issues related to protection of personal data and classified data, intellectual property, including copyright protection, are regulated by Russian Federation law.

Editorial board is guided by principles and practices of Code of Conduct and Best Practice Guidelines for Journal Editors (COPE).

Peer-review policy

The journal peer-reviews all received articles, relevant to its area, for purposes of expert assessment. All reviewers are recognized experts in the area of the peer-reviewed materials and have, over the past 3 (three) years, publications in area of the peer-reviewed article. Publisher and editors store reviews for 5 (five) years.

Articles, being published in scientific journal “Informational and mathematical technologies in science and management”, undergo double blind peer review.

Peer-review terms

Decision to publish article is made by the journal's editorial staff on the basis of reviews with expert assessments of reviewers, taking into account the compliance of the submitted materials with the thematic focus of the journal, their scientific significance and relevance.

The journal utilizes double blind peer review. Review process is carried out by members of editorial board and third-party specialists from the base of experts (reviewers), on behalf of the editorial board.

In each case, review period is set by editorial board to create conditions to publish an article as quick as possible.

A review must contain a qualified analysis of the article's material and its objective assessment. The reviewer gives a recommendation (positive or negative) regarding the possibility of publishing the article.

Editors send comments to an author with a proposal to consider the recommendations when preparing a new version of the article or to reasonably refute them. An article edited by the author is sent for a new review. In case of positive conclusion of the reviewer, the article is queued for publication.

The final decision to publish controversial articles is made by the chief editor or its deputy.

The reviewer can not be an author (or co-author) of the article being reviewed.

All reviews are uploaded to the National Electronic Library (Natsionalnaya Elektronnaya Biblioteka – NEB) elibrary.ru. They are displayed at reviewer's profile, but not publicly available.

Articles, accepted for publication, are printed within six months after approval (positive conclusion). Articles that sent for revision – after remarks are fixed.

Chief editor is responsible for the quality of the reviews and timeliness of peer-review process.

Editors send to the authors of the materials copies of reviews or motivated decline. Editors undertake to send copies of reviews to the Ministry of Science and Higher Education, in case if such demand will be received.

The maximum review period is 3 (three) months.