

## NOTES FOR CONTRIBUTORS

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### 1. General Provisions

The Journal of **Mechanics of Composite Materials** publishes original and review scientific articles containing new results of experimental and theoretical studies of the properties and behavior of composite materials and their components.

Particular attention is paid to the following problems of the mechanics of advanced composite materials:

- damage, fracture and fatigue, long-term strength;
- methods of optimal design of composite materials and structures made of them;
- prediction of long-term properties and aging issues;
- nondestructive testing;
- mechanical aspects of technology;
- composites in civil engineering and infrastructure;
- mechanics of nanocomposites;
- mechanics of biocomposites;

- composites in aerospace and wind energy;
- and other applications of composites.

All manuscripts are checked for plagiarism upon submission to the editorial office and then sent for a review to independent reviewers. The request of editors to rework the article is not a guarantee that the article has been accepted for publication: after the revision, the article is again considered by the editorial board. The final decision on the publication of the article is made by the Editor-in-Chief.

Manuscripts are accepted in English. Editing of manuscripts in poor English is paid by the author (1-page A4 – 10 euros). The editorial office sends a proposal for payment before the editing of the manuscript begins. After the settlement of financial issues, the article goes to work or is returned to the author.

Editors reserve the right to make editorial changes to manuscripts. In the process of preparing the manuscript for publication, the author will be familiarized with them at the proofreading stage.

The editorial board considers only those manuscripts that **are designed in accordance with the requirements of the journal**. If the requirements are not complied, the editors return the manuscript for re-issuance.

After the publication of the article, the authors are provided with a PDF file free of charge without the right to commercial use and distribution.

## **2. Manuscript submission procedure**

The manuscript and accompanying materials should be sent to the editorial e-mail address: mcm@pmi.lv or and\_cate@latnet.lv. The date of receipt of the article in the

journal is the date of receipt by the Editors of all the materials listed.

List of submitted materials:

- **Manuscript** in the DOC format, formatted according to the rules specified for authors;
- **Drawings** in the TIF or JPG format with a resolution of 600 dpi;
- **Information about the authors** (last name, first name, place of work, position, academic degree and title, address, e-mail, and phone number) indicating the responsible author with whom to correspond;
- **List of proposed reviewers** by the authors (required): at least three candidates with their last name, first name, place of work, and e-mail address. At least one reviewer should be outside the country of residence/work of the authors. Authors also have the right to indicate the names of reviewers who do not want to send the article for review. The final choice of reviewers remains with the Editor-in-Chief.

If any of these requirements is not complied, the article is returned to the author(s) without consideration.

### **3. Rules for preparation of the manuscript**

*Manuscript and illustrative material in the PDF format* are not accepted by the editors!

The manuscript is drawn up strictly according to the model (presented on the journal's [website](#)). The text is typed in the Microsoft Word editor in “Times New Roman” font 12 pt on A4 pages (210×297 mm) with margins of 2.5 cm at 1.5 intervals. The recommended **length of the article is 25 pages** (including figures and tables on

the basis that two figures, including a, b, etc., and two tables are approximately equal to one page of text, respectively). In exceptional cases, such as a review article, the length may exceed the specified requirements.

The article should begin with the initials and surnames of authors (the responsible author should be marked with an asterisk; his email address for correspondence is indicated at the bottom of the page in the link reference), and then its title is given and the full name of the institution in which the work was performed. The article should contain an abstract and 4-6 keywords.

**The title of the article** should reflect the topic of the study in a specific concise form. The use of abbreviations in the title should be avoided.

**The abstract** should contain an extremely concise description of the main results of the study and ways to achieve them, with an emphasis on the novelty and practical significance of results. Previously published data, well-known provisions and formulas, references to literary sources are not given in the abstract. The abstract should not exceed **250 words**.

**Keywords** should reflect the content of the work and the specifics of the research area chosen by authors. A list of recommended keywords is available on the journal's [website](#). General keywords (composite materials, mechanical properties, etc.) that characterize any of the articles published in the MCM journal should be avoided.

**The Introduction** should be written in an understandable language to attract the interest of a wide range of readers to the scientific problem raised in this paper. The relevance, novelty, and practical significance of the work should be clearly indicated, referring to modern literature sources. The objective of the work should be clearly

formulated in the Introduction, and its achievement should be confirmed by the results formulated in the Conclusion.

**The text of the article** should have sections and subsections. For example: **Introduction, 1. Mathematical Setting, 1.1. Nonlinear dynamics, 1.1.1. Border conditions, ..., 2. Results and Discussion, Conclusion, REFERENCES.**

Throughout the article, it is necessary to observe a single principle of symbols with their initial explanation in the text. It is unacceptable to use the same designations for different quantities. For alphabetical designations of indices, only the Latin or Greek alphabet have to be used.

The text should contain links to all tables and figures. Experimental data and calculation results that are not discussed in the text of the article should not be presented, and tables and figures presented the same results should not be used.

**Formulas** and **all letter designations in the text** of article have to be typed using the **Microsoft Equation** tool of Microsoft Word tool or **MathType** application. Formulas should be editable and displaying them as an image is not acceptable. Equations should be aligned to the center of the line, and the equation number is placed at the right edge of the page.

**The Conclusion** should clearly state the main results of the work and should not duplicate the abstract. In this Section, it is necessary to substantiate the significance of the results obtained for the development of the studied field of science and the prospects for studying the problem raised.

If necessary, *acknowledgement* is given for assistance in the work and its financing.

**Appendices** include sections that do not affect the understanding of the main text of

the article but are essential for specialists working in this field.

*Tables* (mandatory with an explanatory heading) should be double-spaced. They should not contain empty columns, columns, lines, and undeciphered abbreviations. Near the designation of quantities, it is necessary to indicate their dimension.

*Figures* (always with figure captions) are placed in the text of the Microsoft Word file of the manuscript at the place of their citation. In addition, all figures should be sent in separate files that allow their technical editing. Graphs, charts, and diagrams are accepted in the CDR, XLS, AI, PPT, WMF, and EMF formats or in the TIF and JPG formats with a resolution of 600 dpi. Photos should be submitted in the TIF, JPG, GIF, and PNG format with a resolution of 300-600 dpi. *The illustrative material in the PDF and EPS formats* is not accepted by Editors.

It is desirable that the size of the figure in the manuscript allows its reproduction in the journal without scaling (see article [template](#)). Therefore, the minimum number of verbal and numerical designations should be left in the figures, and all explanations should be included in figure captions.

All pages of the manuscript, including tables, figures, and references, should be numbered.

*All abbreviations* used in the text of the article (abbreviated names, etc.) should be deciphered.

The cited literature is given in the general list at the end of the article **in the order of mention in the text**. The list of literature should reflect the relevance of the subject of the work. 20-40 references are considered optimal, among which references to publications over the past 10-15 years are desirable. The share of self-citation should

not exceed an average of 25%. References to the literature in the text of the article are marked with the serial number of the work enclosed in square brackets, for example [5].

*Electronic resources.* The abbreviation “URL” (Uniform Resource Locator) is used to designate an e-mail address, followed by an e-mail address presented in such a way that, having passed through it, one can immediately get to the cited source. The date of access to the resource should be indicated.

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1. R. M. Christensen, *Mechanics of Composite Materials*, John Wiley & Sons, New York—Chichester—Brisbane—Toronto (1979).
2. T. Mori and K. Tanaka, “Average stress in matrix and average elastic energy of materials with misfitting inclusions,” *Acta Metall.*, **21**, No. 5, 571-571 (1973).
3. J. Karger-Kocsis and Z. Zhang, in: G. H. Michler and F. J. Balta — Caleeja (eds.), *Mechanical Properties of Polymers Based on Nanostructure and Morphology*, Ch. 13, CRC Press, Boca Raton, FL, USA (2005), pp. 553-602.
4. S. G. Lekhnitskii, *Elasticity Theory of Anisotropic Bodies* [in Russian], Nauka, Moscow (1977).
5. EUROCODE 3, EN 1993-1-1. *Design of Steel Structures. Pt. 1-1: General Rules and Rules for Building*, CEN, Brussels (2004).
6. URL: [http://www.community.livejournal.com/musei\\_kino/424668.html](http://www.community.livejournal.com/musei_kino/424668.html) (reference date 11.20.2007).
7. United States Patent 6485660, “Reinforced composite product and apparatus and method for producing same,” / M. A. Kaiser, et al. 2002.

8. J. Riemenschneider, S. Keye, P. Wierach, and H. M. Rochettes, “Overview of the common DLR/ONERA project Active twist blade (ATB),” in: Proc. 30th Europ. Rotorcraft Forum (2004), pp. 22.1–22.9.

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The Editors send PDF files of the article proofreading to the authors. The proof should be read by the author and sent to the editorial office in the electronic form **no later than three working days after receipt**. The author is obliged to note typographical errors and check figures, formulas, and tables. Corrections of another kind are not allowed.

#### **5. Consent to publication**

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