

NOTES FOR CONTRIBUTORS

General

The scientific journal MEKHANIKA KOMPOZITNYKH MATERIALOV (Mechanics of Composite Materials) is a bimonthly periodical covering results of original experimental and theoretical investigations on the properties and behavior of composite materials and their constituents.

Particular attention is focused on the following problems:

- failure and fatigue of composite materials (their types and cause, long-term strength, kinetics of failure at all its stages, mechanism of failure of contact regions between composite components, calculation methods, and technology for manufacturing materials with optimum characteristics of failure resistance);
- methods of optimum design of composite materials and structures;
- prediction of long-term properties;
- aging problems and nondestructive testing;
- mechanical aspects of technology;
- composites in civil engineering and infrastructure;
- mechanics of nanocomposites;
- biomechanics.

The Editorial Boards selects for publication the most significant and interesting articles containing new results and ideas or an original analysis of data available in the literature. For this purpose, all the articles will be refereed by two reviewers. Authors can also submit their own list of potential reviewers, indicating their full name, place of work, and e-mail address, but the final choice of reviewers will be made by the Editor.

The manuscript is submitted in duplicate, both signed by all its authors, together with its identical electronic version. The manuscript should be supplied by information on the authors (full name, place of work, position, academic degree and status, home address, e-mail, fax, and phone) with indication of the person for correspondence and the **Consent to publish** the article, signed by the corresponding author (the text **Consent** see below).

The date of submission of a paper is the date the publisher receives all of the above-listed materials.

Manuscripts are not returned. The Editorial Board reserves the right to make amendments in the manuscript according to the guidelines given. The request of the Editorial Board to improve a paper does not mean that the latter is accepted to publication: after improvement, it will again be considered by the Editorial Board.

Authors will receive proofs in English in the form PDF files, which they are requested to correct and return no later than in a day after reception. The author has to indicate misprints and check formulas, figures, and tables. No other corrections are allowed.

After publication of a paper, its PDF files will be supplied free of charge to the author(s).

The journal MEKHANIKA KOMPOZITNYKH MATERIALOV is published in Russian. Simultaneously, it is also translated into English (Mechanics of Composite Materials).

Requirements to Manuscripts

1. Manuscripts should be written in literary English. Russian manuscripts are translated into English by the publisher. Authors should pay special attention to the style, grammar, and orthography of the manuscript. Editing a manuscript written in poor English is paid by authors (10 EUR for an A4 page). The payment suggestion will be sent to authors before beginning the work with it. As soon as the financial problem is settled, the manuscript will be put in work.

2. Manuscripts should be prepared strongly according to the pattern given in <http://pmi.lu.lv>

3. The article should begin with initials and family names of authors (corresponding author is indicated by an asterisk; at the bottom of the first page, his or her e-mail address, phone, and fax are indicated), and then its title is given. Apart from the main text, the paper should contain: abstracts and keywords, full name of the institution where the investigation has been carried out, conclusions, figures, and tables.

4. The title of the paper should reflect the subject of investigation in a precise compact form. It should not be similar to the title of a monograph. Word combinations “To the question...,” “On the problem...,” etc. should be avoided. In its optimum variant, the title should include the basic keywords of the study.

5. Abstract is a concise summary of the paper with basic actual information and conclusions. The abstract should begin with a summary of the essence of the study. The title should not be repeated in the text. It is advised to avoid phrases “...the author of the article considers...” etc. The abstract should not contain descriptions of the data published earlier, well-known statements and formulas, and references. The body of the text is determined by the content of the article, the amount of information, and its scientific value and should not exceed 250 words.

6. The introduction should be written clearly in order to attract the attention of wide circles of readers to the problem touched on in the paper.

7. The text of paper exceeding two pages should be divided into sections and subsections (e. g. Introduction. 1. Problem Statement. 1.1. Nonlinear dynamics etc. Conclusions. REFERENCES).

8. The text of papers (in the text editor Microsoft for Windows, Times New Roman type, 12 pt., with 2.5-cm upper and lower, 3-cm left, and 1.5-cm right margins and an 1.25-cm indentation) should be printed at 1.5 intervals on white paper of standard size (format A4, 210 x 297 mm). The manuscript should **not exceed 20 pages** (40,000 symbols, including spaces) plus no more than **10 figures or photographs (including a, b, ...)**.

Materials in the PDF format are not accepted. The Editorial Board reserves the right to abbreviate the articles, irrespective of their volume.

The text should contain references to all tables and figures. Experimental data and calculation results not discussed in the article should not be cited. The authors are requested to avoid duplication of information in the text, tables, and figures.

Equations must be indented. If the formulas are cited in the text, they should be numbered, with the numbers given in parentheses in the right margin.

All formulas must be set up by using Microsoft Office Word (version 1997-2007) — Microsoft Equation or any version of MathType.

The conclusion should not duplicate the abstract. In this section, the importance of obtained results for the development of the field of science investigated can be substantiated and prospects of examination of the problem discussed indicated. Then, if necessary, acknowledgements are expressed.

In appendices, the material not affecting the understanding of the main text, but important for experts in the corresponding field, is given.

Tables (obligatorily with brief and clear titles) should be typed double - spaced on separate sheets. They should not contain empty columns, rows, and unexplained abbreviations. The symbols of quantities should be followed by their dimensions.

Graphs, diagrams, and schemes should be submitted in the black-and-white variant in the Corel Draw, Microsoft Excel, WMF, or EMF vector formats. The TIFF format with a resolution of 600 dpi is also accepted. At the discretion of the Editorial staff, color diagrams and graphs, if necessary, can also be printed.

Photographs, only in a black-and-white variant (grayscale 8-bit), should be submitted in the TIFF or JPG formats with a resolution of 300 dpi.

The graphic files should not be included in the text; each figure should be saved as a separate fail.

Figures should be placed singly on a list, with all their parts a, b, ... put on the same list. It is advised that the dimensions of the figures given in the manuscript allow their reproduction without scaling. Only a minimum amount of wordy and numerical designations should be left of figures – all explanations should be included in figure captions. Scanned handmade figures are not accepted. The width of lines in figures must be no less than 0.5 pt. and the dimension of characters no less than 9 pt. If the author expects that the figures will be reduced, the dimensions of lines and characters must be increased in the manuscript. To add lettering, it is best to use Helvetica or Arial fonts.

Illustrations in the PDF and EPS formats are not accepted.

All pages of the manuscript, including tables, references, and figure captions, should be numbered. Duplication of the same data in the text, tables, and figure should be avoided.

The literature is presented at the end of the article in the reference list, in the quotation order in the text. The references should be marked in the text by a serial number in square brackets, for example [5]. The bibliography should be formed according to ISO 690-1. Use the style of the examples given below.

REFERENCES

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

The electronic version is submitted simultaneously with the manuscript on a diskette, CD, or by e-mail.

Consent to Publish

The Author confirms:

- that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis);
- that it is not under consideration for publication elsewhere;
- that its publication has been approved by all co-authors, if any;
- that its publication has been approved (tacitly or explicitly) by the responsible authorities at the institution where the work is carried out.

The Author agrees to publication in the Journal indicated below and also to publication of the article in English by Springer in Springer's corresponding English-language journal.

The copyright to the English-language article is transferred to Springer effective if and when the article is accepted for publication. The author warrants that his/her contribution is original and that he/she has full power to make this grant. The author signs for and accepts responsibility for releasing this material on behalf of any and all co-authors. The copyright transfer covers the exclusive right to reproduce and distribute the article, including reprints, translations, photographic reproductions, microform, electronic form (offline, online) or any other reproductions of similar nature.

After submission of the agreement signed by the corresponding author, changes of authorship or in the order of the authors listed will not be accepted by Springer.

Journal:

Title in Russian

Title in English

Title of article:

Names of ALL contributing authors

Corresponding author's signature:

Date:

**Manuscripts should be submitted to: Institute of Polymer Mechanics,
Journal MECHANICS OF COMPOSITE MATERIALS,
23 Aizkraukles St., Riga, LV-1006 Latvia
e-mail: mcm@pmi.lv; homepage <http://www.pmi.lv>**