

**Archives of Metallurgy and Materials** is a quarterly journal of Polish Academy of Sciences and Institute of Metallurgy and Materials Science PAS which publishes original scientific papers and reviews in the fields of metallurgy and materials science, foundry, mechanical working of metals, thermal engineering in metallurgy, thermodynamic and physical properties of materials, phase equilibria in the broad context and diffusion. In addition to the regular, original scientific papers and conference proceedings, invited reviews (recommended by at least 2 members of Editorial Board) presenting the up-to-date knowledge and monothematic issues devoted to preferred areas of research will be published. Submission of a paper implies that it has not been published previously, that it is not under consideration for publication elsewhere, and that if accepted it will not be published elsewhere in the same form.

When preparing the manuscript, please pay attention to the following rules:

### 1. Manuscript submission

- 1.1. Manuscripts to be considered for publication should be submitted to the Editorial Office via [www.editorialsystem.com/amm/](http://www.editorialsystem.com/amm/). Authors should designate corresponding author, whose responsibility is to represent the Authors in contacts with the Editorial Office. The corresponding author receives an e-mail notification confirming the submission of the manuscript to the Editorial Office and is informed about the progress of the review process.
- 1.2. Manuscript should not exceed 15 pages of full-size paper (A4), must be double spaced (please use 12 point font), with generous margins, and the pages must be numbered. Authors should submit an electronic file of their manuscript in Microsoft Word (minimum : version 2000).
- 1.3. All manuscripts must be written in good English. Both British and U.S. English are acceptable but Authors should be consistent in their usage. It is sole responsibility of the Authors to make sure that the manuscript is grammatically correct and spell checked. Authors are strongly encouraged to have the manuscript proofread by a native speaker of English or a language professional, before it is submitted to the editorial office. Papers written in poor English will be automatically rejected without being subjected to review.
- 1.4. Authors should submit an electronic copy of final version of their paper in Microsoft Word Format, schemes (sketches) and figures saved as .eps, .jpeg, or .tiff.
- 1.5. Articles submitted for publication should include abstract and maximum 5 keywords.
- 1.6. Please adhere to the following order of presentation:

*Author(s)* with first names in full and ORCID.

*Affiliation(s)*: in a short form (Institution, City, Country). Use the superscripts (\*, \*\*, . . .) after the Authors' names in case of different affiliations.

*Title*: All words in lower case (first letter of first word capitalized).

*Abstract*: maximum 10 lines, including primary objective, research design, methods and procedures, main outcomes and results. Do not use abbreviations in the abstract.

*Keywords*: 5 maximum.

*Main text*: Begin on the second page with Introduction, followed by Experimental (Materials and Methods) and/or Theory section, Results, Discussion, and end with Conclusion section and Acknowledgement. When appropriate the Authors may choose to combine Results section and Discussion section into one Results and Discussion section. Make sure the text in sections is divided logically into paragraphs.

Use the decimal system for sections, subsections and (at the most) sub-subsections, as exemplified in the headings of these instructions.

All abbreviations should be spelled out the first time they are introduced in text or references. Thereafter the abbreviation can be used.

*Appendices*

*References*

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*Figure captions*

*Tables*

## **2. Manuscript preparation**

The editorial system includes:

1. Manuscript, which should contain the full text with figures, tables and signatures to them where they are placed.
2. Figures, tables and signatures to them as separate files.
  - 2.1. Formulae, equations and units

The formulas should be written in Microsoft Equation and MathType with the possibility of editing (not as graphics).

Formulae and equations should be typed on separate lines and numbered consecutively in parentheses on the right side (1) . . . (n). Vectors must be indicated as such. Size of symbols should be kept uniform for all equations in the manuscript. Formulae and equations should be referred to in the text as follows: Eq. (1).

Numbers and units must be separated by a space, e.g. 5.5 wt.%, 273.15 K, 1013 MPa, etc. The only exception are angle degrees, e.g. 90°.

### 2.2. Figures

Figures should be complete without corrections and additions in the word. Figures are usually printed in reduced size (fitting column width of 85 mm) and this should be taken into account when preparing them. For the best results, make sure that lettering on figures and micrographs is at least 2 mm high after reduction, and the style of labeling must be uniform for all figures. Each figure should have its own caption explaining the content without reference to the text. Figure captions should be typed on a separate page at the end of manuscript. The appropriate place of in the text should be indicated by <Fig. 3 > written in separate line. Figures should be referred to in text as follows: Fig. 1. The magnification must be indicated by a labeled scale marker on the micrograph itself, not drawn below it. For optimum printing quality micrographs should be saved as .eps or .tiff at a resolution of at least 300 dpi while line drawings at a resolution of at least 600 dpi.

### 2.3. Move files

The authors can make movie files up to 100 MB in MP4 format.

The author at the first reference (Movie 1. Click here) should with the Click here command connect the web address with the place of uploading the movie (hyperlink) and at the end of the article provide a list of hyperlinks (samples: Movie 1, hyperlink, movie no 2, hyperlink .....). The files will be removed from the edytorial system when rejected or published article (moved to Rejected or Published manuscripts).

### 2.4. Tables

Tables together with captions should be typed on separate page at the end of manuscript. Tables are to be numbered consecutively using Arabic numbers in the text (TABLE 1 . . . n). A caption must be placed above respective table and should explain the symbols used in the heading and in the left hand column. Tables should be referred to in the text as follows: TABLE 1.

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References should be typed on separate pages and numbered consecutively applying the system accepted by the Quarterly (initials and names all authors, journal title [abbreviated according to the Journal Title Abbreviations of Web of

Science:<http://library.caltech.edu/reference/abbreviations/>, everyone abbreviation should be end with a dot - example. Arch.Metall.Mater.] or book title; journal volume or book publisher; page spread; publication year in bracket).

The use of DOI numbers (full notation and linked) is mandatory for each paper and should be formatted as shown in the examples below:

**Journals:**

- [1] L.B. Magalas, Development of High-Resolution Mechanical Spectroscopy, HRMS: Status and Perspectives. HRMS Coupled with a Laser Dilatometer. Arch. Metall. Mater. **60** (3), 2069-2076 (2015). DOI: <https://doi.org/10.1515/AMM-2015-0350>
- [2] H. Etschmaier, H. Torwesten, H. Eder, P. Hadley, Suppression of Interdiffusion in Copper/Tin thin Films. J. Mater. Eng. Perform. (2012). DOI: <https://doi.org/10.1007/s11665-011-0090-2> (in press).

**Books:**

- [3] M. H. Kamdar, A.M.C. Westwood, Environment-Sensitive Mechanical Behaviour, New York 1981.

**Proceedings:**

- [4] F. Erdogan, in: H. Liebowitz (Ed.), Fracture **2**, Academic Press 684, New York (1968).

**Internet resource:**

- [5] <http://www.twi.co.uk/content/fswqual.html>

**PhD Thesis:**

- [6] F.M. Llang. World Hyphenation by Computer. PhD thesis, Stanford University, Stanford, CA 94305, June.

**Chapter in books:**

- [7] R. Major, P. Lacki, R. Kustosz, J. M. Lackner, Modelling of nanoindentation to simulate thin layer behavior, in: K. J. Kurzydłowski, B. Major, P. Zięba (Ed.), Foundation of Materials Design 2006, Research Signpost (2006).

**Articles in press:**

- [8] H. Etschmaier, H. Torwesten, H. Eder, P. Hadley, J. Mater. Eng. Perform. (2012), DOI: 10.1007/s11665-011-0090-2 (in press).

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**4. Review and proofread process**

4.1. Peer review process

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Decision to reject the article is taken by the Editorial Board with the final decision belonging to the Editor, who may appoint another reviewer if necessary.

Reviewers remain anonymous to Authors and their identity cannot be revealed by the Editorial Office.

The Review type manuscripts should be accompanied by recommendation letters of two members of Editorial Board. Only in such a case they will undergo further procedure.

In a separate file, the authors are requested to suggest names and contact details (affiliations and valid e-mail addresses) of at least three experts who could serve as reviewers.

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If it is the second revision Authors are requested to return their revised manuscript within 1 day.

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#### 5. Original version

Starting from issue 1/ 2018, Volume 63, Archives of Metallurgy and Materials is published in electronic via [www.journals.pan.pl](http://www.journals.pan.pl). The printed version is printed only for designated libraries (legal basis: Regulation of the Minister of Culture and Art of March 6, 1997).

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