

# INSTRUCTIONS FOR THE PREPARATION OF A JOURNAL OF CASTING AND MATERIALS ENGINEERING PAPER

## 1. SCOPE/SUBJECTS

Submitted papers should address topics in foundry engineering or issues in the area of materials science, based on the Author(s) own research.

## 2. TITLE PAGE

### 2.1. Title of article

The title of article should contain a maximum of 25 words (excluding prepositions). For aesthetic reasons, the title of the article should not exceed 3 lines (16-point, Cambria).

All the words in the title should be entered starting with an uppercase letter (excluding prepositions).

Formulas of chemical compounds or proper names of the products or manufacturers have to be writing in common form.

### 2.2. Affiliations of Co-Authors

The following information identifying the Author(s) must be contained in the title page:

- full name(s) of the Author(s);
- name of the university, the name of the faculty or research institute, the order data in accordance with the guidelines of the unit represented by the Author(s);
- e-mail address of the corresponding Author.

Example:

Name Surname<sup>a,\*</sup>, Name Surname<sup>2a</sup>, Name Surname<sup>3b</sup>

<sup>a</sup>AGH University of Science and Technology, Faculty of Foundry Engineering, Reymonta 23 St., 30 059 Krakow, Poland

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### 2.3. Abstract

The abstract should include a reference to the motivation to take the topic by the Author(s) of the article, include the subject, purpose and methodology of research. The abstract should be focused on the of originality, innovation, the significance of the research, discussion and analysis of the results in the context of further work and/or practical applications, and present the main conclusions of the study. Full text of the abstract should contain 1000–1500 characters (including spaces).

### 2.4. Keywords

Enter at least 5 single keywords or phrases separated by commas, describing the thematic scope of the article (keywords should be given in order from the most general to more specific).

## 3. ARTICLE STRUCTURE

Articles should normally consist of the following sections:

1. introduction to the subject and purpose of the research;
2. description of the material/test stand and research methodology;
3. analysis and discussion of the obtained results;
4. conclusions and summary.

## 4. FORMATTING GUIDELINES

The work should be written in the text editor MS Word or Open Office and saved in the .doc, .docx or .rtf format.

The article should include a minimum of 4 pages, but should not exceed 25 pages including formulas, tables, drawings and diagrams. In special cases, editors may waive this requirement.

### 4.1. Language

In the *Journal of Casting & Materials Engineering*, scientific papers are published in English.

### 4.2. Formatting styles

The text of the article should be prepared by using a normal, plain font (10-point Cambria) for text. Italics should be use for emphasis.

### 4.3. Lists

Bulleted lists may be created as multi-level list (up to 3). Example:

- Level 1
  - Level 2
    - Level 3
    - Level 3...

Each item on the list is punctuated at the end by a comma, semicolon, or period, depending on the grammatical structure of the list.

### 4.4. Headings

Headings should be numbered and highlighted by bold. Please use no more than two levels of displayed headings.

### 4.5. Figures, diagrams, photographs, charts

Figures must be included as a separate attachments in submission form. Figures, diagrams or graphs should be created using graphics software such as Corel Draw (up to ver. X6; .cdr), AutoCAD (.wmf), OriginLab (.png, .jpg, .eps) or bitmap (.bmp, .tif). Please note that source files of figures, tables and text graphics will be required at the revision stage.

Figures used in article should be prepared in good quality and contrast adjusted to the width 80 mm. In justified cases, figures of other sizes may be accepted (max. width: 160 mm; max. height: 230 mm).

The height of signs in the figures should be at least 2 mm, assuming that the drawing will be published at a scale of 1:1. Photographs and figures should be prepared at min. 300 dpi resolution. Unit should be written after title and comma.

Preferred format of axis titles writing is 8-point Cambria. Additional information included in figures (values, legend explanation etc.) should be written 6-point Cambria. Line thickness in figures should have a minimum point size of 0.5.

Figure captions should be placed directly below the figure as justified text.

Example:

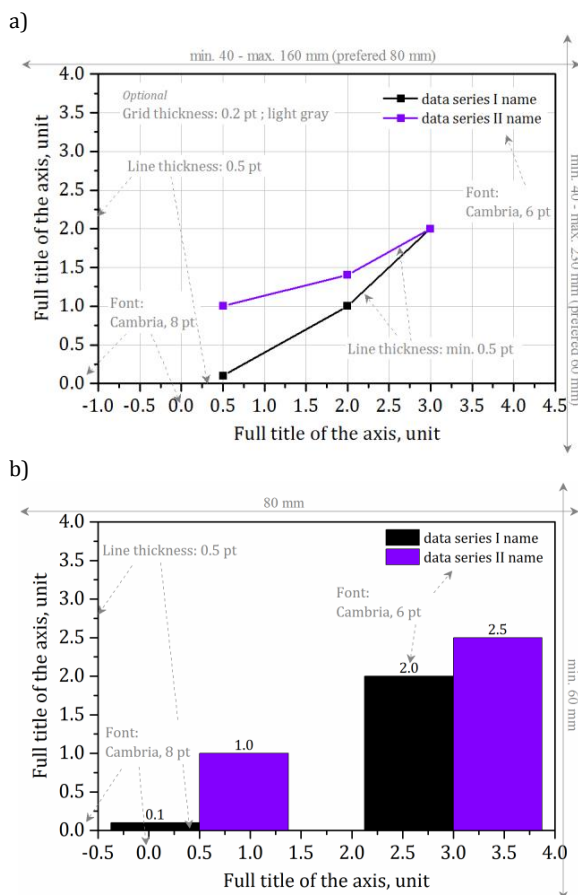


Fig. 1. Figure caption: a) line b) column plot example

Figures should always be cited in text in consecutive numerical order, e.g. Figure 1 or in parentheses (Fig. 1). References for more than one figures should be included in plural form, e.g. Figures 1.a–b or (Figs. 1.a–b).

#### 4.6. Tables

Tables should be prepared as numbered element. Please note all table source files for production are required at the revision stage.

Titles of tables should be written directly above the table, justified text. Sharing of words in headline tables should be avoided.

Example:

Table 1

Title of table

Heading 0*, unit	Heading 1**, unit	Heading 2, unit
Value 0	Value 0	Value 0
Value 1	Value 1	Value 1
value 3	value 3	value 3***
Additional information in footer (optional): * information I ** information II *** informtion III		

Tables should always be cited in text in consecutive numerical order, e.g. Table 1 or in parentheses (Tab. 1). References or more than one tables should be included in plural form, e.g. Tables 1–3/(Tabs. 1–3).

#### 4.7. Units, abbreviations and symbols

Units should be used in accordance with SI. It is acceptable to use Celsius degrees.

Example:

*incorrect form*

- a÷b; 10000; 5 %; ... (cm<sup>-1</sup>); ... (mm); 30,4 °C; *etc.*

*correct form*

- a–b; 10 000; 5%; ... cm<sup>-1</sup>; ... mm; 30.4°C (in a numerical value in the text, in the drawings, graphs and tables, a dot is required); *etc.*

The insertion of non-standard abbreviations and symbols should be avoided in text. Furthermore, it is unacceptable to use on diagrams, drawings, and tables, any abbreviations, signs and symbols without adequately defining them in the text.

If the text contains fonts and symbols unusual for a standard installation of the editor MS Office or the Windows environment, these should be delivered to the editor in electronic form.

#### 4.8. Mathematical equations, formulas and chemical equations

Equations should be created in Word Equation Editor keeping all the elements (e.g. exponents, lower/upper indices) and should appear in the text as a separate line. It is also important to present explanations for the symbols in the formulas.

Mathematical equations and chemical formulas are required to be numbered (manually) as shown below and should be referred to in the text, e.g. Equation (1).

$$\sqrt[3]{e^{-\omega t}} = x \quad (1)$$

where:

$\omega$  – ..., unit;

$t$  – ..., unit;

$x$  – ..., unit.

All the variables in the equations and function names should be written as follows:

- if a written variable scalar value is a letter of the Latin alphabet, it should be written in italics, e.g.  $T$ ,  $x$ ;
- scalar variables represented as letters of the Greek alphabet, and special mathematical symbols shouldn't be written in italics, e.g.  $\alpha$ ,  $\lambda$ ,  $\rho$ ;
- the names of mathematical functions should be written in regular type, e.g.  $\cos x$ ,  $\sin \alpha$ ,  $\sqrt{t}$ ,  $\ln x$ ;
- all vector variables should be written in bold without italics and without arrows over the symbol, e.g. **a**, **n**, **F**.

#### Acknowledgments (optional)

Acknowledgment should be included in a separate section at the end of the manuscript – before the references.

#### REFERENCES

References to the literature should be recorded at the end of the text fragment cited in brackets, e.g. [1], [1,2–3]

The list of references should include positions mainly in English however, if they are not written in English their titles should be written in original spelling.

Cited literature sources should be listed in a chronology of citations in the text of the document. Examples of an inventory of literature:

**Book:**

Author(s) or Editor(s) of the book (Eds.). (Year of publication). *Book title*. City: Publisher.

[1] Belgacem M. N. & Gandini A. (Eds.) (2008). *Monomers, Polymers and Composites*. Amsterdam: Elsevier.

[2] Lewandowski J. L. (1995). *Tworzywa na formy odlewnicze*. Kraków: Wydawnictwo AKAPIT.

**Book chapter or article in edited book:**

Author(s) of chapter. (Year of publication). Chapter title. In Editors of the book (Eds.), *Book title* (Chapter page range). Place of publication: Publisher.

[3] Dębczak J. R. (2012). Spektroskopia IR w badaniach adsorbentów i katalizatorów. In J. Ryczkowski (Ed.), *Adsorbenty i katalizatory: wybrane technologie a środowisko* (pp. 175–203). Rzeszów: Uniwersytet Rzeszowski.

**Article in journal:**

Author(s). ((Year of publication). Title of article. *Full Title of Journal*, Volume(number), pages. doi (if available).

[4] Montoya J. I., Chejne Janna F. & Garcia-Pérez M. (2015). Fast pyrolysis of biomass: A review of relevant aspects. Part I: Parametric study. *DYNA*, 82(192), 239–248. doi:10.15446/dyna.v82n192.44701

**Proceedings materials:**

Author(s). (Year of publication). Title of publication. *The name of the conference: Subtitle of Conference, Date. Location*. (Page range). Place of publication: Publisher (or doi; if available).

[5] Perron A., Krawiec H., Politano O. & Vincent V. (2008). Local electrochemical impedance spectroscopy study of pure aluminium sample under straining conditions. *15<sup>th</sup> French-Polish seminar on Reactivity of solids: June 30–July 2. Dijon*. (pp. 115–122). Paris: Editions Scientifiques Medicales Elsevier.

**Patent:**

Author(s). (Year of publication). Patent No. Place, Institution which issued the patent.

[6] Bonderek Z., Rządkosz S., Smorawiński Z., Hypś W. & Lewicki E. (2009). Patent No. 203669 B1. Warsaw, Urząd Patentowy Rzeczypospolitej Polskiej.

**Web www:**

Author(s) (if available). *Title of publication*. Retrieved date accessed from URL

[7] *Starch Europe. A little history of starch*. Retrieved December 29, 2016, from <http://www.starch.eu/history/>

**Dissertation/Thesis:**

Author(s). (Year of publication). *Title*. Information. Place of publication.

[8] Menzel C. (2014). *Starch structures and their usefulness in the production of packaging materials*. Doctoral dissertation. Swedish University of Agricultural Sciences.

Users of Mendeley Desktop can easily install the reference style for this journal by clicking the following link: <http://csl.mendeley.com/styles/446456111/2016>. When preparing your manuscript, you will then be able to select this style using the Mendeley plug-ins for Microsoft Word or LibreOffice.