

Instructions for Journal of KPMI Authors

The Korean Powder Metallurgy & Materials Institute, founded in 1994, is a research journal that primarily aims to publish original research papers on a bi-monthly basis.

1. Forms and contents of publication

- Original Papers: This form of publication represents original research articles on various aspects of powder metallurgy, namely fabrication, characterization, and forming of metal powders for advanced industrial applications.

- Letters or Rapid Communications: Short reports of original researches are accepted for publication.

- Critical Reviews or Reports : Invited or submitted review papers and technical reports are accepted.

The journal overall serves as a much-desired international platform for publications of wide researches in materials science. The emphasis, however, has been given on originality and quality of the paper rather than quantitative research. Short reports on material development, novel process or properties are also welcome. The following list of topics is of particular interest to the journal: (1) Powder fabrication techniques, (2) Characterization, (3) Compaction and sintering methods, (4) Heat treatment processes in powder metallurgy, (5) Industrial application of powders, (6) Powder process control, (7) Particle modification, (8) Particle motion and rheology, and (9) Particle growth.

2. Submission of papers:

1) Manuscript should be submitted online at the KPMI homepage (<http://www.kpmi.or.kr>) or e-mail to the KPMI (kpmi@kpmi.or.kr)

2) File type: MS Word files according to instructions below.

Pictures and photos should be submitted in JPG or TIFF format (300 dpi).

3) Prior to publications: Submitted manuscript must not previously been published in a journal and it is not being simultaneously considered for publication elsewhere.

3. Preparation of manuscripts

1) All papers should be written in English and SI units

should be used throughout. Abbreviations should be defined the first time they occur in manuscript. Manuscripts should be typed on a paper of A4 format with 2.5 cm margins (right, left, top, bottom), and double-spaced, using Times Roman 11 font.

2) Structure of the manuscript:

The Title : The title should be carefully chosen to indicate as clearly as possible the subject of the manuscript. The first letter of each word should begin with a capital letter except for articles, conjunctions, and preparations. The first word after a hyphen should also be capitalized such as "Variation of Magnetic Properties of Nd-Fe-B Sintered Magnets with Compaction Conditions".

Bylines should include all those who have made substantial contributions to the work. The first author should be the major contributor of the work. All authors' names should be written in full. At least one author should be designated with a sign as the corresponding author.

Affiliations should include the following information in the order of Institute, Department, City, Zip Code, and Country.

Abstract and Keywords : Each paper should include 120~200 words abstract and five key words for use in indexing.

3) Text: Description headings should be used to divide the paper into its component parts as below.

1. Introduction
2. Experimental
3. Results & Discussions
4. Conclusions

Acknowledgement (This is author's option.)

References

List of Table and Figure captions

Tables and Figures

4) References:

References should be indicated in the text by consecutive numbers in square parentheses, e.g. [1, 2, 5-7], as a part of the text, the full reference being cited at the end of the text. References should contain all the names of the authors together with their initials, the title of the journal, volume number (Bold type), year and the first page number as below. References to books should con-

tain the names of the authors, the title (the names of editors), the publisher name, location and year as below.

- [1] J. D. James, B. Wilshire and D. Cleaver: Powder Metall., **33** (1990) 247.
- [2] I. H. Moon: J. Korean Powder Metall. Inst., **1** (1991) 66.
- [3] H. E. Exner and G. Petzow: Sintering and Catalysis, G. C. Kuczynski (Ed.), Plenum Press, New York (1976) 279.
- [4] D. R. Dank and D. A. Koss: High Temperature Ordered Intermetallic Alloys, C. T. Liu (Ed.), MRS Symp. Proc. Vol. 133, Pittsburg, PA (1989) 561.
- [5] Daido Steel: USA, US 5,193,607 (1993).
- [6] M.G.Kim and J.H.Kim: Korea, KR 0041070 (2010).
- [7] Germany: DIN EN ISO 11876N, Hardmetals.
- [8] ASTM B213:03, Standard Test Method for Flow Rate of Metal Powders.
- [9] J. C. Kim: M.S. Thesis, Title of Dissertation, Daehan University, Seoul (2011) 123.
- [10] J. C. Kim: Ph. D. Dissertation, Title of Dissertation, Hankook University, Seoul (2011) 123.

5) Tables and Figures

Tables: type each table on the separate page, number consecutively in Arabic numerals and supply a heading.

Figures for best results submit illustrations in the actual size (300 dpi) at which they should be published. The line drawings and the photographs should be originals and sharp images, with somewhat more contrast than is required in the printed version. Each figure should be typed on a separate page. The figure captions must be included.

6) Equations

Equations are placed must be clearly printed and numbered sequentially with Arabic numbers enclosed with round parentheses at the right-hand margin.

$$\text{Ex) } f = f_{\infty} + (f_0 - f_{\infty}) \exp(-\gamma_r / \tilde{\gamma}_r) \quad (1)$$

4. Peer-review

All manuscripts are treated as confidential. They are peer-reviewed by at least 3 anonymous reviewers selected by the editor. Letters to the editor are reviewed and published on the decision of the editor. The corresponding author is notified as soon as possible of the editor's decision to accept, reject, or request revision of manuscripts. When the final revised manuscript is com-

pletely acceptable according to the KPMI format and criteria, it is scheduled for publication in the next available issue. Rejected papers will not be peer-reviewed again.

5. The accepted manuscript

1) Copyright:

Upon acceptance of a paper, the author(s) will be asked to transfer the copyright of the paper to the publisher, The Korean Powder Metallurgy & Materials Institute. This transfer will ensure the widest possible dissemination of the information.

2) Proofs:

Proofs will be sent to the corresponding author for checking before publication and will not be returned to the author, unless requested otherwise. Only typographical errors may be corrected. Any substantial alterations other than these may be charged to the author. All joint communications must indicate the name and full address of the author to whom proofs should be sent.

3) Reprints:

The authors are entitled to 50 reprints or a PDF file of the article without additional charge, but are charged for additional reprints exceeding 50 in addition to the nominal publication charge.

4) Publication charge:

The publication fee is US\$200 up to 6 pages, and US\$30 per additional page regardless of a member or a non-member. Additional fee for acknowledgement is US \$100. For color printings, US\$100 per color page is charged to authors regardless of the membership.

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Journal of Powder Materials

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