



# JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY

Official Publication of the [Brazilian Metallurgical, Materials and Mining Association](#)

## AUTHOR INFORMATION PACK

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### DESCRIPTION

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The *Journal of Materials Research and Technology* is a publication of ABM - Brazilian Metallurgical, Materials and Mining Association - and publishes four issues per year also with a free version online ([www.jmrt.com.br](http://www.jmrt.com.br)). The journal provides an international medium for the publication of theoretical and experimental studies related to Metallurgy, Materials and Minerals research and technology. Appropriate submissions to the *Journal of Materials Research and Technology* should include scientific and/or engineering factors which affect processes and products in the Metallurgy, Materials and Mining areas. The journal does not seek or publish non technical or scientific papers or papers on case studies concerning optimization of equipments, processes and others where the technical or scientific content on the report is not heavily present. The journal accepts manuscripts for publication in the following categories: Original Articles, Review Articles, Short Communications and Letters. The editorial board strongly recommends that prospective authors access the online version and analyze the published articles as a model for preparation of their papers.

### AUDIENCE

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Engineers and researchers working in subjects related to Metallurgy, Materials and Minerals research and technology.

### IMPACT FACTOR

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### ABSTRACTING AND INDEXING

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## GUIDE FOR AUTHORS

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### INTRODUCTION

#### *Aims and Scope*

The *Journal of Materials Research and Technology* (JMRT) is a publication of ABM – Brazilian Metallurgical, Materials and Mining Association. The journal provides an international medium for the publication of theoretical and experimental studies related to Metallurgy, Materials and Minerals research and technology.

Appropriate submissions to the JMRT should include scientific and/or engineering factors which affect processes and products in the Metallurgy, Materials and Mining areas. The journal does not seek or publish non-technical or scientific papers or papers on case studies concerning optimization of equipments, processes and others where the technical or scientific content on the report is not heavily present.

The journal publishes four issues per year and is available online at <http://www.jmrt.com.br>.

The journal accepts manuscripts for publication in the following categories: Original Articles, Review Articles, Short Communications and Letters. The editorial board strongly recommends that prospective authors access the online version (<http://www.jmrt.com.br>) and analyze the published articles as a model for preparation of their papers.

#### **Audience**

Engineers and researchers working in subjects related to Metallurgy, Materials and Minerals research and technology.

#### *Types of Contributions*

*Original Articles:* A full-length article describing original research. It should not exceed 10 pages in length.

*Review Articles:* Reviews summarize studies on a specific subject by introducing the author's own opinions concerning recent progress and future prospects to give a balanced assessment. It should be normally no longer than 12 pages. Submission of review articles could be done by invitation or voluntary proposal.

*Short Communications and Letters to the Editor:* Could be (i) an article on a new finding or an interesting aspect of an ongoing study that merits prompt preliminary publication in condensed form; (ii) a medium for the presentation of new research and techniques; (iii) topics, opinions, or proposals that would be of interest to the readers; and (iv) criticisms or additional proofs and interpretations in connection with articles previously published in the institute journals. It must be no longer than 4 pages.

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- All figures (include relevant captions)
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- Corrosion;
- Chemical analysis;
- Coating.

Processing

- Process metallurgy: direct reduction, ironmaking, steelmaking, secondary metallurgy, casting;
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Minerals

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To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

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The manuscript file should have the following structure: Title, Abstract, Keywords, Main text (divided in Introduction, Methods, Results, Discussion, and Conclusions), and References. Acknowledgements and Appendices are optional and should stay in a separate section at the end of the text, before References. Figures and Tables should be sent in separate files, with the respective title, legends, and captions. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

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### Abstract

A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if

essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. It should not exceed 250 words.

### **Keywords**

Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

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### **Acknowledgements**

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- Number the illustrations according to their sequence in the text.

- Use a logical naming convention for your artwork files.
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- Size the illustrations close to the desired dimensions of the published version.
- Submit each illustration as a separate file.

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» More than six authors (list the first six followed by "et al"): Leng B, Ukai S, Sugino Y, Tang Q, Narita T, Hayashi S, et al. Recrystallization texture of cold-rolled oxide dispersion strengthened ferritic steel. *Isij International* 2001; 51(6):951–7.

» From the internet: Oluyemi DO, Oluwole OI, Adewuyi BO. Studies of the properties of heat treated rolled medium carbon steel. *Materials Research [Internet]* 2011; [cited 2011 Sep 8];14(2):135–41. Available from: [http://www.scielo.br/pdf/mr/v14n2/AOP\\_0471-10.pdf](http://www.scielo.br/pdf/mr/v14n2/AOP_0471-10.pdf)

#### • Conferences

» Paper: Hiraoka Y, Inoue K. Effect of alloy elements on nitrogen distribution in hot-work tool steels after nitriding. In: The Japan Society for Heat Treatment, organizer. Proceedings of the 17th IFHTSE Congress; 2008 Oct 27–30; Kobe, Japan. (Netsu Shori; vol. 49, special issue). p. 57–60.

» Proceedings in journal:



The Japan Society for Heat Treatment, organizer. Proceedings of the 17th IFHTSE Congress; 2008 Oct 27–30; Kobe, Japan. (Netsu Shori; vol. 49, special issue).

- Books

- » Until six authors (list all authors):

Ashby M, Shercliff H, Cebon D. Materials, engineering, science, processing and design. 2nd. ed. Oxford: Butterworth-Heinemann; 2010.

- » No author:

The Oxford dictionary of computing. 5th ed. Oxford: Oxford University Press; 2003.

- » Editor:

Lišćic B, Tensi HM, Canale LCF, Totten GE, editors. Quenching theory and technology. 2nd. ed. Boca Raton: CRC; 2010.

- Books chapter

- » Author's chapter is the same of the book:

Ashby M, Shercliff H, Cebon D. Materials, engineering, science, processing and design. 2nd. ed. Oxford: Butterworth-Heinemann; 2010. Chapter 6, Beyond elasticity: plasticity, yielding and ductility, p. 111-39.

- » Author's chapter are different of the author's book: Canale LCF, Totten GE. Hardening of steels. In: Lišćic B, Tensi HM, Canale LCF, et al., editors. Quenching theory and technology. 2nd. ed. Boca Raton: CRC; 2010, p. 1–41.

- Homepage ABM – Associação Brasileira de Metalurgia, Materiais e Mineração [homepage on the internet]. São Paulo: ABM, 2011 [cited 2011 Sep 8]. Available from: <http://www.abmbrasil.com.br/>

- E-Books

Bass L, Clements P, Kazman R. Software architecture in practice. 2nd. ed. Reading, MA: Addison Wesley, 2003. [E-book] Available at: Safari e-book.

- Thesis and dissertations Seshadri V. Measurement of dihedral angle in Pb-Fe alloys [M.Sc. dissertation]. Bangalore: Indian Institute of Science; 1959

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[1] Van der Geer J, Hanraads JAJ, Lupton RA. The art of writing a scientific article. *J Sci Commun* 2010;163:51–9. <https://doi.org/10.1016/j.Sc.2010.00372>.

Reference to a journal publication with an article number:

[2] Van der Geer J, Hanraads JAJ, Lupton RA. The art of writing a scientific article. *Heliyon*. 2018;19:e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>

Reference to a book:

[3] Strunk Jr W, White EB. *The elements of style*. 4th ed. New York: Longman; 2000.

Reference to a chapter in an edited book:

[4] Mettam GR, Adams LB. How to prepare an electronic version of your article. In: Jones BS, Smith RZ, editors. *Introduction to the electronic age*, New York: E-Publishing Inc; 2009, p. 281–304.

Reference to a website:

[5] Cancer Research UK. Cancer statistics reports for the UK, <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>; 2003 [accessed 13 March 2003].

Reference to a dataset:

[dataset] [6] Oguro M, Imahiro S, Saito S, Nakashizuka T. Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1; 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

Note shortened form for last page number. e.g., 51–9, and that for more than 6 authors the first 6 should be listed followed by 'et al.' For further details you are referred to 'Uniform Requirements for Manuscripts submitted to Biomedical Journals' (*J Am Med Assoc* 1997;277:927–34) (see also [Samples of Formatted References](#)).

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