

AUTHORS INFORMATION PACK

TABLE OF CONTENTS

- Journal Coverage	p.1
- Submission statements	p.2
- Open Access Papers	p.2
- Audience	p.3
- Editorial Board	p.3
- Guide for Authors	p.4



JOURNAL COVERAGE

*CERAMICS IN MODERN TECHNOLOGIES**, the hi-tech companion to the basic science oriented journal *Ceramics International*, publishes original cutting-edge, peer-reviewed papers that cover progress in manufacturing, industrialization and application of the whole range of ceramics.

Involved are advanced oxide and non-oxide ceramics, traditional silicate ceramics, industrial refractories, new nanocarbons and other low dimensional nanostructures, smart and special glasses, new cements including geopolymers, inorganic synthetic zeolites and pillared materials produced as bulk components to microdevices by any available fabrication technique including e.g. powder processing, soft chemistry, additive manufacturing, CVD, PVD, plasma spraying, nanolithography, self assembly, laser and ion beam processing.

All major users areas are covered such as energy and environment, electronics, optics and communications, aerospace and transport, construction, building, processing industry, mechanical and high temperature engineering, and the biomedical field.

Primary interest is for experimental and theoretical contributions dealing with materials functionalization and industrialization, new device architectures, system integration, on-service performance, in-situ and non destructive testing, as well as on experimentally validated multiscale modelling and simulation of processes, devices and performance.

The design, realization and testing of prototype products and devices, pilot scale demonstrations, case studies and cost models perfectly fit the scopes of the journal as well as aspects of green manufacturing and of proper management of materials, energy and labour resources, including waste recycling and disposal.

The journal also encourages critical reviews on still developing fields of processing and application, analyses of the drivers for innovation and of barriers to commercialization coming from alternative materials technologies.

At the time when pressure on engineers is to up-to-date technologies with optimised use of new products, *CERAMICS IN MODERN TECHNOLOGIES* is not only of relevance to physics, chemists, materials scientists and to experts from the industry directly involved in R&D activities and in production, but may be of interest to all professionals working in the related application areas.

**Formerly "Industrial Ceramics"*

SUBMISSION STATEMENTS

Professional Ethics

Submission of a manuscript to the journal is contingent upon the statement by all the authors that: i) the reported work has not received prior publication and that no portion of this or any other closely related work is under consideration for publication elsewhere in any medium, including electronic journals, computer databases, and publicly accessible preprint websites; ii) its publication is approved by all authors and by the responsible authorities where the work has been carried out, and iii) if accepted will not be published elsewhere in any form without the written consent of the copyright holder.

Plagiarism

In publishing only original research, the Editorial Board is committed to deterring plagiarism, including self-plagiarism by using updated softwares to check all submitted manuscripts for similarity to published material.

Presubmission Inquiries

Inquiries regarding the suitability of an abstract or manuscript for the journal will not be considered prior to submission of the complete manuscript file.

Conflict of Interest Disclosure

During the submission process, the corresponding author must provide on behalf of all authors of the manuscript a statement describing any financial conflicts of interest or lack thereof. The statement should describe all potential sources of bias, including affiliations, funding sources, and financial or management relationships, that may constitute conflicts of interest.

PAPER SUBMISSION FEE*

A submission fee of 60 EUR to help to partially fund editorial and peer review administration is charged by this journal when you are submitting your manuscript. Submission fees present the advantage of decreasing competition for review, potentially enhancing the quality of the review process and the publication speed. Also it positively affects the quality of submissions, as only authors with confidence that they are choosing the right journal will be willing to pay a submission fee.

**This function is presently non active. It will be implemented in the system if a substantial flow of not appropriate papers will be submitted.*

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An open access publication fee is payable by authors or on their behalf, e.g. by their research founder or institution. The open access publication fee for this journal is 1,100 EUR excluding taxes.

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GUIDE FOR AUTHORS

CERAMICS IN MODERN TECHNOLOGIES publishes original cutting-edge, peer-reviewed papers that cover progress in manufacturing, industrialization and application of the whole range of ceramics.

Involved are advanced oxide and non-oxide ceramics, traditional silicate ceramics, industrial refractories, new nanocarbons and other low dimensional nanostructures, smart and special glasses, new cements including geopolymers, inorganic synthetic zeolites and pillared materials produced as bulk components to microdevices by any available fabrication technique including e.g. powder processing, soft chemistry, additive manufacturing, CVD, PVD, plasma spraying, nanolithography, self assembly, laser and ion beam processing.

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The journal also encourages critical reviews on still developing fields of processing and application, analyses of the drivers for innovation and of barriers to commercialization coming from alternative materials technologies.

TYPES OF CONTRIBUTIONS

Full-length papers

Original research papers covering any relevant scientific or technical aspects of manufacturing, industrialization and application.

Reviews

Full length articles usually commissioned by the Editorial Board that provide: a critical survey on a still developing field; new requirements in technology coming from changes in demand and societal needs; insights for prospective new directions.

Communications

Short but complete description of results of new technical achievements for which Authors feel appropriate an urgent presentation to the international readership.

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Article Structure

In general, follow this order when you are preparing a manuscript: title, authors, affiliations, email of corresponding author, abstract, keywords, main text including tables, acknowledgements, references, figures captions, figures, and appendix (if applicable).

Title. The title should accurately, clearly, and concisely reflect the emphasis and content of the paper. Acronyms and abbreviations are not permitted in manuscript titles, unless they are broadly familiar to readers in all disciplines covered by the journal.

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Abstract. All manuscripts must contain an abstract, which should summarize the purpose of the work, the most significant results, and the conclusions. The abstract should be brief and shown in one paragraph. An abstract is often presented separately from the article, so it must be able to stand alone. No references shall be included. Also, non-standard or unknown abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

Keywords. Immediately after the abstract, provide a maximum of six keywords that best describe the focus and feature of the work.

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Acknowledgments. This section is not numbered and shall be collated at the end of the article before the references. Use a singular heading even in the case of multiple acknowledgments.

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Units. The international system of units (SI) has to be used. If other units are used, their equivalent in SI is to be given. Temperature shall be given in degrees Celsius.

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Please ensure that every reference cited in the text is also present in the reference list (and vice versa).

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Please ensure that the words 'this issue' are added to any references in the list (and any citations in the text) to other articles in the same special Issue.

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Text: References shall be indicated by number(s) in square brackets in line with the text. The actual authors can be referred to, but the reference number(s) must always be given.

Example: '..... as reported [7,8]. Bradshaw *et al.* [9] demonstrated that'

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Examples:

Reference to a paper in a journal:

[1] N. al Nasiri, N. Patra, D.D. Jayaseelan, W.E. Lee, Water vapour corrosion of rare earth monosilicates for environmental barrier coating applications, *Ceram. Int.* 43 (2017) 7393-7400.

Reference to a book:

[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to an edited book:

[3] P.Vincenzini Ed., *Energy and Ceramics*, Elsevier Science Publishers, UK, 1980.

Reference to a chapter in an edited book:

[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281-284.

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

Reference to a patent:

[7] G. Bradli, M. Dick (1978). Alternating current fed power supply, U.S. Patent 4084217, USA.

Reference to a thesis or dissertation:

[8] N. Kawasaki (1993), *Parametric study of thermal and chemical nonequilibrium nozzle flow*, M.S. Thesis, Dept. Electron. Eng., Osaka Univ., Osaka, Japan,

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Journal names should be abbreviated according to the List of Title Word Abbreviations.

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Use double spacing and wide (3 cm) margin. Avoid full justification, i.e. do not use a constant right-hand margin. Tables and figure legends have to be presented on separate pages at the end of the paper. All pages have to be numbered.

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Appendices. If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

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A cover letter (**Cover Letter A** for Normal Papers and **Cover Letter B** for Open Access Papers) and a Copyright Transfer Agreement shall be filled-in and uploaded at the time you are uploading your paper. Please note that submission of both the above documents is mandatory and that your paper will not be processed if the cover letter and the copyright transfer agreement are not uploaded and completed in all their fields.

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- All figures and related captions are included
- Keywords are included in the manuscript
- All tables including titles, footnotes etc. are included
- All references cited in the text match the References list

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This journal operates a single blind review process. All manuscripts will be preliminarily assessed by the Editors for suitability for the journal. Manuscripts considered by the Editors to be inappropriate for the journal may be declined without review.

Reasons for rejection without review may be:

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- iv- No appropriate uploaded articles

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Reviewer/s comments and the decision will be returned to the author. There are four possible outcomes:

- a) Accept: the paper will be published without any revision.
- b) Minor revision: the author will be required to revise the paper according to reviewers' comments and then return the revised paper to the Editor. The paper will be accepted at the Editor's discretion or returned to the reviewer for a final check.
- c) Major revision: the author will be required to significantly revise the paper according to reviewers' comments and then return the revised paper to the Editor. The paper will then undergo another round of refereeing.
- d) Reject: the paper will not be published. Editor's decision is final.

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The resubmission of manuscripts previously considered and declined for publication in the journal is discouraged and will only be considered under extraordinary circumstances. Well reasoned appeals of decisions may be considered.

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