INTRODUCTION

Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería (RIMNI) (International Journal of Numerical Methods for Calculation and Design in Engineering) contributes to the spread of theoretical advances and practical applications of numerical methods in engineering and other applied sciences regarding both calculation and analysis tools for Scientists and engineers, and innovations in project and design technologies for engineering production and processes. The scope of the journal includes mathematical and numerical models of engineering problems, development and application of numerical methods, advances in software, computer design innovations, educational aspects of numerical methods, etc. RIMNI is an essential source of information for Scientists and engineers in numerical methods theory and applications. RIMNI contributes to the interdisciplinar exchange and thus shortens the distance between theoretical developments and practical applications.

Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería publishes articles written in Spanish, Portuguese and English.

Publication fee

Since January 2016, RIMNI is an Open Access journal. Once the paper accepted, and before your publication, the author (or the funding institution) must pay the cost of publishing the article through the Scipedia payment platform.

The publication fee for the authors will be of 700€ per article.

BEFORE YOU BEGIN

Ethics in publishing

For information on Ethics in publishing, Ethical guidelines and terms of use of Scipedia, please see https://www.scipedia.com/legal/termsofuse.

Conflict of interest

All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential conflicts of interest include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. Three years until the submission date of the manuscript should be considered. If there are no conflicts of interest then please state this: ‘Conflicts of interest: none’.

Submission declaration and verification

Submission of an article implies that the work described has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language.

Contributors

All authors must have materially participated in the research and/or article preparation, so roles for all authors should be described. The statement that all authors have approved the final article should be true and included in the disclosure.

Open Access

Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería is an open access
journal: all articles will be immediately and permanently free for everyone to read and download.

The articles will be published under the license CC BY-NC-SA, which allows to copy, distribute and include the article in a collective work (for example, an anthology), as long as there is no commercial purpose and the original work is properly cited. For more information, see https://www.scipedia.com/help/openaccess.

The Creative Commons license present in each article defines the permitted uses for it.

Submission
To send a manuscript to RIMNI, the authors must first register in Scipedia and complete their profiles. From your user profile you can create a draft of the manuscript by clicking on the "CREATE NEW DRAFT" button. Scipedia allows you to import documents in LaTeX and Microsoft Word, or create them from scratch through our online editor. For more information, see https://www.scipedia.com/help/publish.

PREPARATION

Simple blind review process
Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería operates a simple blind review process, which means that the authors know the identity of the authors, but the authors do not know the identity of the reviewers for the review process (see https://www.scipedia.com/help/review).

The editor will make a first assessment of the manuscripts to verify that they fit with the objectives of the journal. If yes, each manuscript will be sent, at a minimum, to two independent reviewers who will evaluate the scientific quality of the manuscript. The editor will be responsible for the final decision on whether or not to accept the article for publication.

Changes in authorship
We describe the policy regarding the addition, deletion or change of order of the authors in the accepted manuscripts.

The correspondence author must send the change request indicating a) the reason, b) the written confirmation of all the authors. In the case of addition or deletion of an author, the confirmation of the affected author must also be included.

The Editor of the journal will assess the request and the publication process of the manuscript will be stopped until a decision is made.

Article structure
The structure of the article should follow the general indications of the documents published in Scipedia: https://www.scipedia.com/help/format.

Subdivision - numbered sections
Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to ‘the text’. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

Introduction. State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

Material and methods. Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described.
**Theory/Calculation.** A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

**Results.** Results should be clear and concise.

**Discussion.** This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

**Conclusions.** The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

**Glossary.** Please supply, as a separate list, the definitions of field-specific terms used in your article.

**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.

**Essential information**

**Title and Título.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible. The Title must be given in Spanish and in English (if the article is written in Spanish) or in Portuguese and English (if the article is written in Portuguese) or in English only (if the article is written in English).

**Author names and affiliations.** Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled. Present the authors’ affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author’s name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name and, if available, the e-mail address of each author.

**Abstract/Resumen/Resumo.** 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. The Abstract must be included in Spanish and in English (if the article is written in Spanish) or in Portuguese and English (if the article is written in Portuguese) or in English only (if the article is written in English).

**Keywords/ Palabras clave/Palavras clave.** Immediately after the abstract, provide a maximum of 6 keywords, using British 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. Keywords must be included in Spanish and in English (if the article is written in Spanish) or in Portuguese and English (if the article is written in Portuguese) or in English only (if the article is written in English).

**Abbreviations**

Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article. Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article.

**Acknowledgements**

General acknowledgments for consultations, statistical analyses, and the like should be listed at the end of the text, including full names of individuals involved. However, as noted above, acknowledgment of funding should be listed on the title page.
Math formulae

If the article is written in Word, all the formulas should be written, both between paragraphs and within the text, with Mathtype or the equation editor (not plain text) to avoid a poor conversion to the wiki format. Otherwise, it will be the responsibility of the author to achieve a correct visualization and quality.

Units

Follow internationally accepted rules and conventions: use the international system of units (SI). If other units are mentioned, please give their equivalent in SI.

Footnotes

Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors can build footnotes into the text, and this feature may be used. Otherwise, please indicate the position of footnotes in the text and list the footnotes themselves separately at the end of the article. Do not include footnotes in the Reference list.

Artwork

Number figures consecutively in accordance with their appearance in the text and place them within the manuscript. Please do not include images that are not optimal for use on the screen, because they have a low resolution or a limited number of disproportionately large colors or graphics.

Whilst it is accepted that authors sometimes need to manipulate images for clarity, manipulation for purposes of deception or fraud will be seen as scientific ethical abuse and will be dealt with accordingly. For graphical images, this journal is applying the following policy: no specific feature within an image may be enhanced, obscured, moved, removed, or introduced. Adjustments of brightness, contrast, or color balance are acceptable if and as long as they do not obscure or eliminate any information present in the original. Nonlinear adjustments (e.g. changes to gamma settings) must be disclosed in the figure legend.

Videos, spreadsheets and additional material

Videos, spreadsheets and any other additional material can be included in the manuscript in electronic format. This information should be referenced and its content documented in the text of the manuscript.

Figure captions

Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

Text graphics

Text graphics may be embedded in the text at the appropriate position. See further under Electronic artwork.

Tables

Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article.

References

Citation in text

Please ensure that every reference cited in the text is also present in the reference list (and vice versa).
Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list, they should follow the standard reference style of the journal and should include a substitution of the publication date with either ‘Unpublished results’ or ‘Personal communication’. Citation of a reference as ‘in press’ implies that the item has been accepted for publication.

**Reference style**

*Text.* Indicate references 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 (i.e. Oñate et al. [12] studied ….etc.).

*List.* Number the references (numbers in square brackets) in the list in the order in which they appear in the text.

It is **essential** to follow a specific format in the references section, before sending the article to the magazine. See some examples:

**Examples**

*Reference to a journal publication:*


*Reference to a book:*


*Reference to a chapter in an edited book:*


*Reference to a Congress contribution:*


**Reference links**

The online links to the references favor the dissemination of the research and the quality level of the peer review system. In order to create links to indexing and consulting services it is necessary that the data provided in the list of bibliographic references be correct. Please note that incorrect surnames, journal/book titles, publication year and pagination may prevent link creation. When copying references, please be careful as they may already contain errors. Use of the DOI is encouraged.

**Web references**

As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

**Journal abbreviations source**

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

http://www.issn.org/services/online-services/access-to-the-ltwa/
**AFTER ACCEPTANCE**

**Availability of accepted article**

Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería makes articles available online as soon as possible after acceptance. This concerns the accepted article (both in HTML and PDF format). A Digital Object Identifier (DOI) is allocated, thereby making it fully citable and searchable by title, author name(s) and the full text.

**Use of the Digital Object Identifier**

The Digital Object Identifier (DOI) may be used to cite and link to electronic documents. The DOI consists of a unique alpha-numeric character string which is assigned to a document by the publisher upon the initial electronic publication. The assigned DOI never changes. Therefore, it is an ideal medium for citing a document, particularly ‘Articles in press’ because they have not yet received their full bibliographic information.