Hormigón y Acero

GUIDE FOR AUTHORS

INTRODUCTION
Hormigón y Acero, the official quarterly of the Asociación Científico-técnica del Hormigón Estructural (ACHE), welcomes papers on civil and building structures and their constituent materials. All architects, engineers and scientists interested in disseminating their experience and knowledge or opinions on structures and the materials used to build them may submit manuscripts for publication in the journal.

Types of article
Depending on their length and depth, journal contributions may be classified as articles, communications or comments/notes.

Articles: the backbone of the journal, may address research studies, designs and works, or the operation, maintenance, rehabilitation or demolition of structures. They should deal essentially with scientific and technical questions, but they may also refer to the aesthetics or socio-economic or environmental relevance of structures.

Articles should not be longer than 8 000 or shorter than 3 000 words, excluding tables and figures.

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In the case of articles written in Spanish, the Abstract in English should also be included.

Articles written in English can include abstract in Spanish. If it is not present, the Editorial board
will translate the abstract to Spanish.

**Keywords**

Immediately after the abstract, provide a maximum of 6 keywords, 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.

In the case of articles written in Spanish, the keywords in English should also be included.

Articles written in English can include keywords in Spanish. If they are not present, the Editorial board will translate keywords to Spanish.

**Abbreviations and symbols**

Define abbreviations and symbols 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.

**Article outline**

The recommended outline for research articles is as follows:

1. **Introduction**
   State the objectives of the study and provide an adequate context. It is important to provide a detailed review of the technological and scientific background.

2. **Material and experimental methods (in the case of experimental studies)**
   Provide sufficiently detailed information to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described.

   2. **Theory/calculation (in the case of theoretical or numerical studies)**
      The 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.

   2. **Description of the procedure (in the case of presentation of new methodologies)**
      Provide sufficient detail to comprehend the new procedure/methodology proposed, extending the information given in the introduction.

3. **Results**
   Results should be clear and concise. Avoid repeating the results in different forms of presentation (for instance, figures and tables containing identical information).

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

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

The recommended outline for articles regarding completed construction projects is as follows:

1. **Introduction**

Describe the relevant background of the completed project. These projects should present a certain degree of novelty/innovation compared to previous publications, either in the structural design, construction process or materials utilized.

2. **Description of the structure**

Provide sufficient information to be able to comprehend the function of the structure, while emphasizing its most relevant aspects. If information is provided in the form of technical drawings, related comments should be made in the Images section.

3. **Description of the construction process**

The construction process should be defined in projects where it represents significant step forward or in those cases where the magnitude of the project requires it.

4. **Most relevant aspects of the construction project**

It is important to emphasize the most novel/significant aspects of the project compared to other existing structures.

5. **Conclusions**

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

**PREPARATION**

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This journal operates a single blind review process (reviewers have access to author data). All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final. More information on types of peer review.

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