# Title of the article in Spanish (Description: sentence, Garamond, bold, font size 18, centered)

# Title of the article in English (Description: sentence, Garamond, bold, font size 14, centered)

Name of the first author1 (Description: Names and surnames, Garamond, normal, font size, centered), of the second author 2 (Description: Names and surnames, Garamond, normal, font size, centered)

*1Orcid. Institution, city, country, institutional email address (Description: Garamond, cursive, font size 8, centered)*

*2Orcid. Institution, city, country, institutional email address (Description: Garamond, cursive, font size 8, centered)*

Date of receipt: mm/dd/year

Date of article acceptance: mm/dd/year

#### Resumen

Estas instrucciones le dan las pautas para la preparación de documentos para la *Revista Avances, Investigación en Ingeniería.* Utilice este documento como una plantilla para ser utilizada con Microsoft Word 6.0 o una versión posterior. Contiene información acerca de los formatos, tamaños y tipos de letra, estructuración de las secciones que componen el artículo, forma de presentación de tablas, figuras y referencias bibliográficas. Defina todos los símbolos utilizados en el artículo en el resumen. No cite referencias en el resumen. Éste debe tener 200 palabras.

**Palabras claves:** Se incluyen hasta cinco palabras o frases clave en orden alfabético. Éstas van separadas por comas por ejemplo, Biomedicina, Grados de libertad, In-situ, Seguimiento.

#### Abstract

These instructions provide the guidelines for the preparation of documents for Revista Avances, Investigación en Ingeniería. Use this document as a template if you are using Microsoft Word 6.0 or later. It contains information about formats, sizes and fonts, structuring of the sections that compose the article, and the correct way to present tables, figures, and references. Regarding the abstract, it should be 200 words long, all the symbols that are used should be defined and it should not include references.

**Keywords:** should include about five key words or phrases in alphabetical order , separated by commas; for example: biomedicine, degrees of freedom, in-situ, tracking.

1. **Introduction**

This guide provides the authors with most of the format specifications that are necessary for the preparation of the documents that will be presented to Revista Avances Investigación en Ingeniería. All components have been specified for two reasons:

(1) Ease of use when conforming to the format, and (2) the automatic compliance with requirements that facilitate the simultaneous or subsequent production of printed products. The template is used to format the document and the style of the text. All margins, column widths, line spacing, and fonts are predetermined; please do not modify them. Some components, such as multi-level equations, graphs, and tables are not mandatory, although different text styles are provided. The appropriate symbology must be used for quantities, properties, and others.

Once this template is modified, it must be sent as a Document in Microsoft Word.

## Procedure for sending articles

### Review stage

The articles that are submitted for consideration are subject to the evaluation of peer reviewers, who are appointed by the editorial committee of the magazine. Among the criteria to be evaluated, the relevance of the topic to the subject of the magazine and its scientific quality are considered. The concept is issued in terms of: publishable, pending with observations, or not publishable.

Articles whose concept is pending with observations may be readjusted by their authors and submitted again for a new evaluation by peer reviewers.

The members of the editorial committee of the magazine may make suggestions in order to improve and/or adjust the presentation of the articles according to the demands of the magazine.

### Final stage

After passing the previous stage, the article starts the process of diagramming. Once there is a proof of printing, you will receive a copy that must be reviewed in order to corroborate its content. Finally, you must submit the Transfer of Copyright Letter for your article to be published in the magazine.

## Special guidelines

The document must be presented in US Letter paper size, with margins as follows: top = 19 mm, bottom = 30 mm, sides = 13 mm; column width is 89 mm, and the space between the two columns is 11 mm.

The text in the columns must be justified. The length of the figures and tables should match that of the column, unless its reading is not adequate, in such case, we suggest to include them in full page.

Within the special requirements, the presentation of editable tables, figures, equations, references, units, abbreviations, and acronyms is included.

### Figures and tables

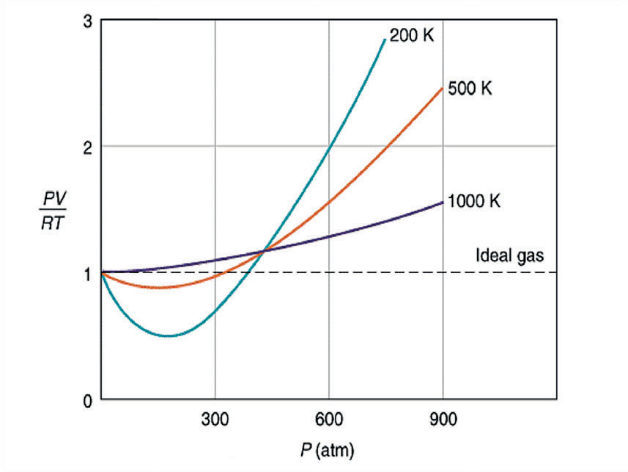
As far as possible, editable figures and tables should be adjusted to the width of the column. It is recommended to avoid oversizing and sub-sizing since it could distort their quality.

#### Figures

Figures must be bordered and with outer graduation lines. There should be no text within the Figure and the symbols must be defined in the legend chart. Figures should be numbered as **Figure #** at the bottom (Sentence type, Arial, centered, font size 10). Color symbols are preferred for a better understanding. Within the text, the mention must be made as:

Example:

Figure 1 shows the behavior of gases at different temperatures. It shows the deviation of the ideality at different pressures and temperatures.



**Figure 1.** Deviation of the ideal behavior of gases.

Graphics in the text must be presented in the formats JPG 300 dpi for color scale, and 600 dpi for black and white.

#### Tables

Tables must be numbered with Arabic numerals.

The title should be included at the top as **Table #** (Sentence type, Arial, centered, font size 10). The internal text in the table must be also written in font size 10.

Example:

Table 1 shows the magnetic properties and their respective conversion equivalence

**Table 1.** Units for some magnetic properties numbered according to the order of citation. Each citation must be written with a number and in ascending order.

|  |  |  |  |
| --- | --- | --- | --- |
| ***Gas*** | ***Presión crítica, Pc*** | ***Temperatura crítica, Tc*** | ***Volumen crítico, Vc*** |
| Helio | 2,26 atm | 5,3 K | 0,065 L/mol |

Vertical lines in the tables are optional.

#### Equations

Equations are an exception in this template. You can use the Word equation editor or the Symbol font to define them.

Equations must be numbered consecutively and into a parentheses with right justification, as (1). This can be done using the tab key before and after the equation. If the equations are named within the text, they are designated as eq 1, eq 2. Write compact equations using abbreviations such as (/), the exp function or appropriate exponents. Use italics for quantities and variables but not for Greek letters. Use a broader line, different from the hyphen, for the minus sign.

Example:

*a* − *b* = γ (1)

For Greek letters, sub-indices, and exponents, the font Times New Roman, size 10, may be useful, so that they can be easily identified, seeking simplicity in the structure.

Example:

*1 cm3/g* → *4*π × *10*−*3 m3/kg*

## Acknowledgements

They are included as long as they are necessary.

## References

They correspond to the sources or texts that are cited within the article and must appear only at the end. The numbers of the citations must be consecutive and must appear into brackets [1]. Punctuation follows the bracket [2]. Simply refer to the reference number, as in [3]. Use "Ref. [3]: includes text " or " Reference [3]: includes text" at the beginning of a sentence: " In [3], the first ... ".

The IEEE citation format is the one that is used, here some examples (IEEE citation manual, available at: http://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf). In order to improve the presentation of the references, we recommend the use of reference managers such as Mendeley, Zotero, Endnote, or Microsoft References.

[1] L. Aramyan, *Measuring Supply Chain Performance in the Agri-Food Sector*. 2007.

[2] O. Ahumada and J. R. Villalobos, “Application of planning models in the agri-food supply chain: A review,” *Eur. J. Oper. Res.*, vol. 196, no. 1, pp. 1–20, Jul. 2009.

[3] R. Manzini and R. Accorsi, “The new conceptual framework for food supply chain assessment,” *J. Food Eng.*, vol. 115, no. 2, pp. 251–263, Mar. 2013.

[4] A. Marucheck, N. Greis, C. Mena, and L. Cai, “Product Safety and security in the global Supply Chain: Issues,challenges and research oportunities,” *Joornal Oper. Manag.*, vol. 29, no. 7, pp. 707–720, 2011.

[5] C. R. Carter and P. L. Easton, “Sustainable supply chain management : evolution and future directions,” *Int. J. Phys. Distrib. Logist. Mangement*, vol. 41, pp. 46–58, 2011.

**General form of citation according to IEEE**

Book:

•J. K. Author, “Title of chapter in the book,” in Title of His Published Book, xth ed. City of Publisher, (only U.S. State), Country: Abbrev. of Publisher, year, ch. x, sec. x, pp. xxx–xxx.

Book or monograph (electronic):

•J. K. Author, “Title of chapter in the book,” in Title of Published Book, xth ed. City of Publisher, State, Country:Abbrev. of Publisher, year, ch. x, sec. x, pp. xxx–xxx. [Online]. Available: <http://www.web.com>

Book chapter:

•J. K. Author, “Title of chapter in the book,” in Title of Published Book, X. Editor, Ed., City of Publisher, State (only U.S.), Country: Abbrev. of Publisher, year, ch. x, sec. x, pp. xxx–xxx.

Conference paper:

•J. K. Author, “Title of paper,” presented at the Abbreviated Name of Conf., City of Conf., Abbrev. State, Country, Month and day(s), year, Paper number. doi xxx

Conference paper (online):

•J. K. Author. (Date). Title. Presented at Abbreviated Conf. title. [Type of Medium]. Available: site/path/file

Manuals:

•Name of Manual/Handbook, x ed., Abbrev. Name of Co., City of Co., Abbrev. State, year, pp. xxx-xxx.

Scientific journal:

•J. K. Author, “Name of paper,” Abbrev. Title of Periodical, vol. x, no. x, pp. xxx-xxx, Abbrev. Month, year. •J. K. Author, “Name of paper,” Abbrev. Title of Periodical, vol. x, no. x, pp. xxx-xxx, Abbrev. Month, year, doi: xxx.

Scientific journal (electronic)

Basic Format: •J. K. Author, “Name of paper,” Abbrev. Title of Periodical, vol. x, no. x, pp. xxx–xxx, Abbrev. Month, year. Accessed: Month, Day, Year, doi: 10.1109.XXX.123456. [Online]. Available: site/path/file or URL

Dissertation:

J. K. Author, “Title of thesis,” M.S. thesis, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, Country, II. Style—16year. [Online]. Available: