###

Title of the article (First letter in capital letters only, Calibri 14)

The article must have a maximum of 12 pages in total

The title must be general, without acronyms and without periods.

Author names must be in borderless and backgroundless text boxes, with no academic titles. The ORCID must be complete, as it is on the template

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Be careful in writing names and personal data, as they cannot be changed once the job is accepted

#### Abstract(maximum 150 words, in Calibri size 10, single spacing (1.0,). The abstract does not have quotations, does not have subtitles and must be written in a single paragraph, it must include the general aspects of the topic, the methodology used and main results, avoiding placing figures. The keywords must be strictly related to the study developed, in lower case and separated by commas. The paper must have a maximum of 12 pages including the bibliography.

#### Keywords

#### (3 or 4 keywords separated by commas, all of which must be lowercase.)

Si el artículo va escrito todo en inglés entonces coloque primero el Abstract y luego el resumen.

Título en español

#### Resumen

(Menos de 150 palabras). El resumen en español lleva las mismas características del resumen en inglés, al igual que las palabras clave.

#### Palabras clave

(3-4 palabras clave separadas por comas.)

## Introduction

### It must express in a precise way the problem, the general objective, indicate the basis of the study or project carried out and the methodology used for its presentation. For the structure of the article, it is recommended to follow the scheme adopted in the journal Minerva: introduction, development, methodology, results with discussion, conclusions and references. Support the contribution based on a brief review of the state of the art, citing in an orderly manner the bibliographic references related to the topic. To close with the section, explain in a concise way the organization or structure of the article. The length of the article is 12 pages. You can change the titles according to the contribution of your work, however, you cannot change the format of these. Write in a general way, then go from the general to the particular.

### At the end of the introduction, add a paragraph describing the parts or sections of your work.

##  Development

Development must include those theoretical and conceptual aspects. It includes the references and mathematical arguments that support the research. As well as those aspects that contextualize the study. It can include subheadings or figures or tables that are linked in an important way to the study developed.

Subtitles should follow the format of the magazine.

##  Methodology

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### *Subtítles* (Initial capital letters only. Do not increase indentation)

The methodology should not include theoretical foundations or definitions, it should not include citations. It must focus on the processes, steps, phases of the work developed.

## Results

Text in Calibri number 11. They must be those aspects that are the product of the objectives set. The figures must have a description in the paragraphs next to them. This same section includes the discussions of each outcome. Everything must be written in a harmonious and organized way. The results include an analysis or discussion of results, there is no separate discussion section.

### *Subtítles* (Initial capital letters only. Do not increase indentation)

All equations must be done in the Word editor and must be listed on the right with a number in parentheses, this numbering must go consecutively. Picture-type equations will not be accepted.

$y=\frac{3x-sen (∅)}{5log⁡(x)}$ (1)

$x=\frac{-b\pm \sqrt{b^{2}-4ac}}{2a}$ (2)

The comma for decimal-separation will be used when the article is in Spanish and the period for the thousand-aside when you consider it. If the article is in English, then the period for decimal separation will be used.

Examples: 0.89 3548.698 25.19

## Conclusions

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### *Subtitles*(Initial capital letters only. Do not increase indentation)

Avoid reproducing the aspects contained in the summary as a conclusion. *The conclusions presented must be relevant exclusively to the contribution made*. If you prefer, you can use numbering.

A conclusion could extend the importance of the work or could make one think of applications and extensions.

Do not repeat in the conclusions what you already mentioned in the results or in another section of the article.

## Appendix (Centered)

Los apéndices, si fuesen necesarios, deberán aparecer antes del reconocimiento.

Recognition (Centered)

Use the singular title even though you have many awards. Avoid expressions such as "One of us (S.B.A.) would like to thank..." Instead, write "F. A. author's acknowledgements..." We only receive thanks to institutions, foundations, data labs, etc. Not personal.

References (Centered)

Citations and references must be made with the Word editor for references, and they must be IEEE styled. Number citations consecutively in square brackets [1]. The period of the sentence follows the square brackets [2]. Multiple references [2], [3] are numbered with separate parentheses [1]– [3]. When citing a section in a book, please indicate the relevant page numbers [2]. In sentences, simply refer to the reference number, as in [3]. Do not use "Ref. [3]" or "reference [3]" except at the beginning of a sentence: "Reference [3] shows....".

Please note that the references below are in the preferred style. You must cite all the authors; Do not use "et al" unless there are six or more authors. Use a space after the authors' initials. Documents that have not been published should be cited as "unpublished" [4]. Documents that have been submitted or accepted for publication should be cited as "submitted for publication" [5]. Please indicate affiliations and addresses for personal communications [6].

Capitalize only the first letter of the document title, except for the proper names and symbols of the element.

**GENERAL PROVISIONS:**

Any article that is not in the format cannot be processed for review and possible publication.

Receipt of an article does not guarantee its publication. It must comply with the requirements demanded by the editorial board.

All tables and figures will be processed as images. Do not include figures copied from the internet, but the product of your research.

Images, illustrations, and graphics typical of the research will be considered as a figure, as a result of the development of the research process. All images will have the title of a figure, they must include them in original Excel format when appropriate or editable format.

State the subtitles of the figures below them, with Calibri font size 08. Use the abbreviation "Fig." even at the beginning of a sentence.



Fig. 1. Prototype of robotic hand prostheses.



 **(a) (b)**

Fig. 5. System Response (a) First Week Response (b) Last Week Response

If your shape has two parts, include the labels "(a)" and "(b)" as part of each section. Note that the figures you mention are described in the text before the figure.

A maximum of 4 figures with a minimum resolution of 300dpi will be accepted.

Dichotomous graphs will not be accepted, nor those that contain less than three variables.

For the tables, consider that they must all be useful for research. Place the table titles at the top. Do not place subtitles in "text boxes" or in any other modality inserted in the figure. Put outer edges on the tables. Do not abbreviate "Table". The tables are numbered with Arabic numerals. Do not use bold. Do not repeat information that is already in the figures in the tables.

The labels on the axes of figures are often a source of confusion. Use words instead of symbols.

The work must not have more than 4 boards in total, and its size must not exceed half a page.

Table 1. Comparison of results obtained.

|  |  |  |  |
| --- | --- | --- | --- |
| Variable 1 | Variable 2 | Variable 3 | Variable 4 |
| Time (s) | 2,56 | 4,67 | 5,87 |
| Velocity(m/s) | 123,30 | 120,72 | 120,91 |
| Height (m) | 25,01 | 35,12 | 45,02 |

At the end of the article, after the references, include a brief description of the authors, no longer than 4 lines and a passport-type photo, without frames or artistic effects.

**The authors**

Include a passport-style photo and a maximum of 4 lines describing the author. Do not exceed four lines.



**Albert Einstein**, a [German](https://es.wikipedia.org/wiki/Imperio_alem%C3%A1n) physicist of [Jewish](https://es.wikipedia.org/wiki/Pueblo_jud%C3%ADo) origin, later naturalized [Swiss](https://es.wikipedia.org/wiki/Suiza), [Austrian](https://es.wikipedia.org/wiki/Austria) and [American](https://es.wikipedia.org/wiki/Nacionalidad_estadounidense). He is considered the most important, well-known and popular [scientist](https://es.wikipedia.org/wiki/Cient%C3%ADfico) of the [20th century](https://es.wikipedia.org/wiki/Siglo_XX).

Use and Regulations of IEEE-Style Citations and References

The use of the Word or Mendeley manager is suggested for the correct preparation of citations and references.

**This style should be your references**

Example:

# References

|  |  |
| --- | --- |
| [1] | Y. Alemán, P. Alarcón, G. Monzón and K. Pastor., «Education priorities in he wake of the COVID-19 Pandemic,» *Minerva Journal,*vol. 2, no. 5, pp. 5-12, 2021. |
| [2] | A. Álvarez, G. Rego, J. Leira, A. Gomis, R. Caramés and M. Andrade, «Tourism Innovation: Theoretical Perspectives and Objects of Study,» *ROTUR,*pp. 19-50, 2018. |
| [3] | A. Benavides, "Stratified Sampling," University of Bio Bio, Chile, 2022. |
| [4] | J. Calizaya, Y. Alemán, R. Bellido and F. Ceballos, La investigación quantitativa en las ciencias sociales, Segunda ed., Quito: AutanaBooks, 2022. |
| [5] | D. Montaño, «Evaluation digital of tolos for the management the educational portfolio,» *Minerva Journal,*vol. 2, no. 4, pp. 55-61, 2021. |
| [6] | World Bank, "World Bank," August 17, 2022. [Online]. Available: https://www.bancomundial.org/es/home. |
| [7] | World Tourism Organization, "UNWTO World Tourism Barometer, January 2009," 19 October 2013. [Online]. |

 Please note:

1. References should be numbered in the order in which they appear in the document
2. Once a number has been assigned to a given reference, the same number should be used on all occasions when that document is cited in the text
3. Each reference number should be enclosed in square brackets [ ], e.g., "... the end of the investigation [12]..."
4. It is not necessary to mention the author in the reference unless it is relevant in the text.
5. The body of the document will also not mention the date of publication
6. To cite more than one source at a time, it is preferable to list each of them with its own square brackets, for example, "as indicated by several studies [1], [3], [5]..." instead of "as indicated by various studies [1, 3, 5]..."
7. Do not start a paragraph with a quote, it is incorrect, for example: "[7] mentions that education must change the current paradigms..."

Example:

**Books**

Initials and surname of the author, Title of the book in italics. Edition. Place of publication: Publisher, Year of publication.

Examples

·         [1] R. G. Gallager. Principles of Digital Communication. New York: Cambridge University Press, 2008.

·         [2] A. Rezi and M. Allam, "Techniques in array processing by means of transformations," in Control and Dynamic Systems, Vol. 69, Multidimensional Systems, C. T. Leondes, ed. San Diego: Academic Press, 1995, pp. 133-180.

·         [3] J. A Prufrock, Ed., Lasers, 2nd. ed. New York: McGraw-Hill, 2004.

**Journal article**

Initials and Surname of the author, "Title of the article in quotation marks", Abbreviated title of the journal in italics, volume (abbreviated vol.), abbreviated number (no.) pages (abbreviated pp.), Month Year.

Examples

·         [4] G. Liu, K. Y. Lee, and H. F. Jordan, "TDM and TWDM de Brujin networks and suffflenets for optical communications," IEEE Transactions on Computers, vol. 46, pp. 695-701, June 1997.

·         [5] S.-Y. Chung, "Multi-level dirty paper coding," IEEE Communication Letters, vol. 12, no. 6, pp. 456-458, June 2008.

NOTE: To reference articles that have not yet been accepted for publication, the phrase "submitted for publication" will be used instead of the date. If they have been accepted but are not yet published, use "to be published" instead of the date.

**Articles published at conferences**

Author's initials and surnames, "Conference Paper Title" in Full Conference Name, Conference City, Abbreviated Conference Status (if applicable), Year, Pages (abbreviated pp.)

Examples

·         [6] N. Osifchin and G. Vau, "Power considerations for the modernization of telecommunications in Central and Eastern European and former Soviet Union (CEE/FSU) countries", in Second International Telecommunications Energy Special Conference, 1997, pp. 9-16.

·      [7] G. Caire, D. Burshtein, and S. Shamai (Shitz), "LDPC coding for interference mitigation at the transmitter," in Proceedings of the 40th Annual Allerton Conference in Communications, Control, and Computing, Monticello, IL, pp. 217-226, October 2002.

NOTE: The word "in" before the conference title is not italicized.

**Article presented at conference, but not published**

Initials and Last Name of the Author, "Title of the Conference Paper", presented at the Full Conference Title, Conference City, Abbreviated Status, Year.

Example:

·         [8] H. A. Nimr, "Defuzzification of the outputs of fuzzy controllers", presented at 5th International Conference on Fuzzy Systems, Cairo, Egypt, 1996.

**Technical reports (reports, internal documents, memorandum)**

Author's initials and surname, "Report title", Company name, Company headquarters, Abbreviated report type, Report number, Date of publication.

Example:

·         [9] K. E. Elliot and C. M. Greene, "A local adaptive protocol", Argonne National Laboratory, Argonne, France, Tech. Rep. 916-1010-BB, 1997.

**Master's thesis or doctoral thesis**

Initials and surname of the author, "Title of the thesis or project", Type of document (doctoral thesis, master's thesis, etc.), Department, Academic institution (abbreviated), City, Abbreviated State, Year.

Example:

·         [10] H. Zhang, "Delay-insensitive networks," M.S. thesis, University of Waterloo, Waterloo, ON, Canada, 1997.

·         [11] J.-C. Wu. "Rate-distortion analysis and digital transmission of nonstationary images". Ph.D. dissertation, Rutgers, the State University of New Jersey, Piscataway, NJ, USA, 1998.

**Class notes**

"Title of the notes or subject", class notes for Code of the subject, Department, Institution or University, time and year.

Example:

·         [12] "Signal integrity and interconnects for high-speed applications", class notes for ECE497-JS, Department of Electrical and Computer Engineering, University of Illinois at Urbana-Champaign, Winter 1997.

**Private communications**

Initials and Surname of the person with whom the communication is maintained (private communication), Year.

Example:

·         [13] T. I. Wein (private communication), 1997.

**From the internet**

Initials and surname of the author (year, month and day). Title (edition) [Type of media, usually Online]. Available: Url

Example:

·         [14] J. Jones. (1991, May 10). Networks (2nd ed.) [Online]. Available: http://www.atm.com

NOTE: Internet resources can have a very varied typology (journals, monographs, websites of entities, databases, etc.) In general, they are cited as the printed document of the type to which they belong by adding the indication [Online] or other type of means by which they are transmitted, and the DOI (Digital Object Identifier) or url.

**Catalogues**

Catalog No. Catalog Code, Product Name, Company, City, State (abbreviated)

Example:

·         [15] Catalog No. NWM-1, Microwave Components, M. W. Microwave Corp., Brooklyn, NY.

**Application Notes**

Product or Company Name, Appl. Note Application Note Number, Pages (abbreviated pp.)

Example:

·         [16] Hewlett-Packard, Appl. Note 935, pp. 25-29.

**Standards or patents**

Initials and Surname of the author, "Title of the patent", Number, Month, Day, Year.

Example:

·         [17] K. Kimura and A. Lipeles, "Fuzzy Controller Component,"; U. S. Patent 14,860,040, December 14, 1996.

**Research data**

M. Veljić, N. Rajčević, and D. Bukvički, "A revision of the Moss Collection of the University of Belgrade Herbarium (Beou) from the Ostrozub Mountain in Serbia." Zenodo, 2016.