



HOW TO PUBLISH

Instructions for Authors

Boletín de la Sociedad Geológica Mexicana aims to disseminate technical and scientific work on the geology of Mexico and adjacent regions that share similar geological units or characteristics. The publication covers the various disciplines of the Earth Sciences, with special emphasis on studies conducted in Mexican territory and the presentation of new methodologies. Priority will be given to topics related to the following areas:

1. Regional geology
2. Mineralogy and petrology
3. Metallogeny and mineral deposits
4. Petroleum geology
5. Geothermal studies
6. Hydrology
7. Marine geology
8. Soil science (Edaphology)
9. Stratigraphy
10. Paleontology
11. Geophysics
12. Seismology
13. Geochemistry
14. Volcanology
15. Tectonics and structural geology
16. Geomorphology
17. Geotechnical studies
18. Urban geology
19. Quaternary geology
20. Geoarchaeology and Archaeometry

Boletín de la Sociedad Geológica Mexicana is published quarterly in electronic format, with the possibility that the Society may decide to publish in print format in the future. It is an open-access journal, which means it does not charge any fees for publication, evaluation, review, or downloading of submitted articles. This publication rejects the business model based on Article Processing Charges (APC).

General Guidelines

Authors interested in publishing in this journal must comply with the following guidelines:

1. Each manuscript must be submitted to the Editor-in-Chief. Submissions must be made as an electronic file and must include the text, tables, and figures, with figures provided in high quality and as separate files.
2. In addition to the manuscript, a submission letter must be provided, in which the authors declare the originality of the work, confirm the approval of all coauthors, provide their complete information, including ORCID, and state their agreement with the journal's editorial policies.
3. Manuscripts are accepted in Spanish or English. The manuscript must be double-spaced, with 2.54 cm margins and 12-point Times New Roman font. All lines must be consecutively numbered. All pages must be numbered, beginning with the title page.



4. Manuscripts will be sent to reviewers for evaluation. Acceptance or rejection will be at the discretion of the Editor in charge of the scientific review, who will base the decision on the reviewers' reports, evaluating the originality and contribution to the subject addressed.
5. After evaluation, the manuscript will be returned to the corresponding author so that the reviewers' recommendations may be considered. Once revised, the author will submit the new version to the Editor in charge, who will issue a final decision of acceptance or rejection.
6. Formal acceptance of the manuscript will take place once the corresponding author submits the text, tables, and figures in the format requested by the editorial board.
7. Once page proofs are ready, they will be sent to the corresponding author solely for the correction of typographical errors.
8. Manuscripts that do not comply with these guidelines will be returned to the corresponding author for modification prior to being sent for peer review.

Manuscript Format

Manuscripts must be organized as follows:

- Title
- Authors
- Abstract in Spanish
- Keywords in Spanish
- Abstract in English
- Keywords in English
- Introduction
- Study area descriptions
- Materials and methods
- Results
- Discussion
- Conclusions
- Supplementary data
- Author contributions
- Funding
- Acknowledgments
- Conflicts of interest
- References
- Tables
- Figure captions
- Figures (high-resolution and separate files)
- Appendices



Title

The manuscript title must be brief, specific, and informative, fewer than 16 words. It must be written using uppercase and lowercase letters and a faithful version must be provided in both working languages of the journal, Spanish and English. In addition, a condensed title for running heads must be provided, fewer than 8 words.

Authors

Provide the given name(s) and surname(s) of each author, followed by their institutional affiliation and full address, including city and postal code. Also provide the email address of the author to whom correspondence should be addressed.

Abstract

The abstract must be provided in Spanish and in its English translation. It must not exceed 300 words, nor should it be too short, as it must be sufficiently informative. The abstract should present an overall overview of the work carried out, including the methods used, the most important results, and the conclusions. It must not include abbreviations or bibliographic references.

The use of the maximum allowable length is recommended for abstracts written in English.

Keywords

Include four to six keywords in both languages used in the abstracts, placing them at the end of each abstract.

Manuscript Text

- Authors are expected to use language correctly, including spelling, punctuation, grammar, and syntax. A thorough review of the text is particularly recommended when it is not written in the author's native language, preferably by a native speaker. Individuals responsible for formal manuscript review also assess the quality of the writing, therefore poor language quality may result in rejection of the manuscript.
- Chapter and subchapter headings must follow the hierarchy outlined below:
 - 1. First level** (no indentation, uppercase and lowercase letters, bold)



1.1 Second level (no indentation, uppercase and lowercase letters, bold)

1.1.1 Third level (no indentation, uppercase and lowercase letters, italics, not bold)

Fourth level. (0.8 cm indentation, uppercase and lowercase letters, italics, not bold, run-in heading).

- Although excessive subdivision should be avoided in order to improve readability, if additional sublevels are required, titles written in uppercase and lowercase letters may be used, preceded by 1), 2), 3), etc., and subsequently by a), b), c), etc. These titles must be placed at the beginning of the paragraph, with a 0.8 cm indentation and ending with a period. These titles constitute the fifth and sixth levels of hierarchy.
- Chemical analyses and radiometric or paleontological dating must be referenced to the sampling locality, reporting the corresponding geographic coordinates.
- **Amendment to the ICZN Code for systematic articles.** Systematic articles must strictly follow the ICZN, the International Code of Zoological Nomenclature. A recent amendment to this Code states that systematic articles and those that include new taxa must be registered by the author in ZooBank, and the resulting number must be inserted at the top of the title. The Editor will be responsible for verifying that this number has been obtained and included in the final version of the manuscript. Failure to include this number may invalidate the name of the new taxon. The amendment is available at the following link: <https://doi.org/10.3897/zookeys.219.3944>. All new taxa reported in an electronic and or printed journal must be protected by an LSID number obtained from ZooBank, <https://zoobank.org/>, where there is an option to indicate that the new taxon or taxa correspond to fossil material.
- Units of measurement and numerical quantities must follow the writing rules of the International System of Units, as specified in the relevant reference documents, including *Unidades-CENAM.pdf*, *Writing unit symbols and names SI.pdf*, and *The International System of Units.pdf*.
- If the manuscript includes equations, they must be numbered consecutively. All terms included in the equations must be defined immediately after the equation is presented. References to equations in the text must be made as Equation 1 or (Equation 1).
- Words in languages other than Spanish should only be used when their translation would affect the clarity of the text. They must, without exception, be written in italics, for



example *riff*, *boudinage*, *fiamme*. The same applies to commonly used Latin abbreviations, such as *in situ*, *ca.*, *s.s.*, etc.

- Citations:
 - a. It must be verified that all references cited in the text appear in the reference list at the end of the manuscript and vice versa.
 - b. Only the author's surname or surnames should be cited, exactly as they appear in the original work, without given names or initials, followed by the year of publication, separated by a comma:

(Aguillón-Robles, 1994)

If the author's name forms part of the sentence, only the year should be placed in parentheses:

According to Aguillón-Robles (1994)
 - c. References in the text must be cited in chronologically ascending order, using the letters a, b, c, etc., to distinguish citations with the same authorship and year of publication. References by the same author or group should be separated by commas, and citations by different authors should be separated by semicolons:

(Persson, 1960a, 1960b; Molner and Sykes, 1969).
 - d. When the cited work has more than two authors, only the first author should be cited, followed by "et al.":

(Carmichael et al., 1974).
 - e. References to works in preparation, submitted for publication, or under review must not be included. In general, references to personal communications should be avoided unless they are written communications.

Formal aspects

At the end of each manuscript, between the Conclusions and the References, the following information must be included, in the order indicated below:

Supplementary data (if applicable). This section may include a link to electronic supplements hosted within the journal, preferably, or to content hosted on an external site.

Author contributions (mandatory). The role or roles of each individual in the preparation of the article must be specified, classified as follows: (1) conceptualization, (2) data analysis or acquisition, (3) methodological or technical development, (4) drafting of the original manuscript, (5) drafting of the revised and edited manuscript, (6) graphic design, (7) fieldwork, (8) interpretation, (9) funding, or (10) other contributions, to be specified. These contributions must be listed in the order established above, followed by a colon and the initials of the individuals who contributed to each role, listed in order of importance.

Funding (mandatory). The different sources of funding or grants must be listed, preferably in order of importance. It must also be stated whether laboratories or equipment donated by private companies were used in the development of the research, regardless of the legal



arrangement under which they were provided, such as donation or loan, and especially whether the corresponding legal agreement between the company and the host institution remains in force. If the work was conducted without funding, this must be explicitly stated, and this section must not be omitted.

Acknowledgments (if applicable). Authors may, at their discretion, list individuals or institutions whose contributions facilitated the completion of the work, apart from its funding.

Conflicts of interest (mandatory). Authors must state whether any conflicts of interest exist with other authors, institutions, or third parties regarding the content, in whole or in part, of the article, with the understanding that any conflict of interest arising after publication releases the journal from responsibility and may result in the withdrawal of the article. If no conflicts of interest are identified, authors must explicitly state this using the wording they deem most appropriate. This section must not be omitted.

Bibliographic references

The APA 7 bibliographic style (<https://apastyle.apa.org/>) must be followed for the reference list, which must be placed at the end of the document, double-spaced, and with a hanging indent for each entry. Please follow these guidelines:

1. References are listed alphabetically by the surname of the first author, followed by a comma and the initials of the given name(s).
2. Up to 20 authors may be included, separated by commas. When a work has 21 or more authors, list the first 19, followed by three ellipses, and then add the name of the final author.
3. When a bibliographic reference begins with a number, the entry is alphabetized as if the number were spelled out. References that begin with an article are not alphabetized by the article, but by the first significant word.
4. When multiple works by the same first author are cited:
 - i. References are ordered chronologically by year of publication, from oldest to most recent. Works with no publication date are placed first, and articles in press are placed last.
 - ii. References with multiple authors that share the same first author are ordered alphabetically by the surname of the second author.
 - iii. When all authors coincide, references are ordered by year of publication, from oldest to most recent.
 - iv. When the authors coincide in the same order and the year of publication is also the same, references are differentiated by adding lowercase letters, a, b, c, etc., immediately after the year and within the parentheses.
 - v. When publication dates are identical, references are ordered alphabetically by title, excluding initial articles.



5. The reference list must include complete information for each source, including the DOI, Digital Object Identifier, using the format: <https://doi.org/xxxxxx>. The DOI search tool available at <http://search.crossref.org/> may be used. The shortDOI service (<https://shortdoi.org/>) may be used when the DOI is excessively long. If a DOI is not available, the URL or any other tool that facilitates retrieval of the original work must be provided.
6. Abbreviations must not be used.

Follow the examples below:

a) Journal articles

Surname, N. (year). Title of the article: Subtitle. *Full title of the journal in italics: Subtitle in italics, volume number in italics*(issue number), first page–last page. <https://doi.org/xxxxxx>

Jiménez-Huidobro, P., & Caldwell, M. W. (2019). A new hypothesis of the phylogenetic relationships of the Tylosaurinae (Squamata: Mosasauoidea). *Frontiers in Earth Science*, 7, 1–15. <https://doi.org/10.3389/feart.2019.00047>

b) Monographs or books

Surname, N. (year). *Title of the electronic book in italics: Subtitle in italics*. Publisher. <https://doi.org/xxxxx>

Dickin, A. P. (2018). *Radiogenic isotope geology*. Cambridge University Press. <https://doi.org/10.1017/9781316163009>

c) Chapters in edited volumes

Surname, N. of the chapter author (year). Title of the chapter: Subtitle. In N. Surname of the book editor (Ed./Eds.), *Title of the book in italics: Subtitle in italics* (edition number, Vol., pp. first page–last page). Publisher.

Neary, C. R., & Highley, D. F. (1984). The economic importance of the rare earth elements. In P. Henderson (Ed.), *Rare earth element geochemistry* (pp. 423–466). Elsevier.

d) Conference proceedings

Surname, N. (year, month day–day). Title of the presentation in italics [Type of presentation]. Name of the conference, City, Country. URL or DOI

Nieto-Samaniego, A. F., & Alaniz-Álvarez, S. A. (1994, September 14–16). *La Falla de San Miguel de Allende: características y evidencias de su actividad cenozoica* [abstract]. Tercera Reunión Nacional de Geomorfología, Sociedad Mexicana de Geomorfología, Guadalajara, Jalisco, México.

**e) Theses**

Surname, N. of the author. (year). *Title of the academic work in italics* [Specification of the type of work, Name of the university]. Name of the database or repository. DOI or URL

Cameron, C. S. (1981). *Geology of the Sugarloaf and Delamar Mountain areas, San Bernardino Mountains, California* [Doctoral dissertation, Massachusetts Institute of Technology]. DSpace MIT. <https://dspace.mit.edu/handle/1721.1/44244>

f) Reports and brochures

Surname, N. (year). *Title of the report in italics* (Report No. xxx). Publishing organization/agency.

Weaver, P. L., & Schwinger, J. J. (2009). *U.S. Fish and Wildlife Service refuges and other nearby reserves in Southwestern Puerto Rico* (General Technical Report IITF-40). International Institute of Tropical Forestry.

Tristán-González, M. (1986). *Estratigrafía y tectónica del Graben de Villa de Reyes en los estados de San Luis Potosí y Guanajuato, México* (Technical Brochure). Universidad Autónoma de San Luis Potosí, Instituto de Geología.

g) Maps

Surname, N. (year). *Title of the map in italics* [format]. Scale. Place of publication. Publisher.

Alvarado-Méndez, H., Sánchez-Garrido, E., Pérez-Vargas, M. A., & Caballero-Martínez, J. A. (1997). Carta geológico-minera Guanajuato F14-7 [map]. 1:250,000. Pachuca, Hidalgo, Mexico, Consejo de Recursos Minerales.

h) Corporate authors

Group or corporate author. (year). *Title in italics* (type). DOI or URL

United States Environmental Protection Agency. (1984). *Methods for the chemical analysis of water and wastewater* (Technical Document 16 74000).

i) Mexican and international standards

Group or corporate author. (year, month day). *Title in italics* (Standard or regulation number). Hosting publication, Country. URL

Secretaría de Medio Ambiente y Recursos Naturales. (2007, March 2). *Norma Oficial Mexicana que establece los criterios para determinar las concentraciones de remediación de suelos contaminados por arsénico, bario, berilio, cadmio, cromo hexavalente, mercurio,*



níquel, plata, plomo, selenio, talio y/o vanadio (NOM-147-SEMARNAT/SSA1). Diario Oficial de la Federación, México.

j) Websites

Author. (date of last update). *Title of the work in italics: Subtitle in italics*. Website name. Date of access. <https://www.xxxxxxxx>

Byram, S. (1997, October 1). *Methodological notes on the use of obsidian hydration data*. Retrieved March 16, 2004. <http://www.peak.org/obsidian/byram1.html>

k) Software and applications

Surname, N. (year). *Title in italics* (Version 1.2) [Software or Mobile Application]. Developer or app store. URL

Institutional author. (year). *Title in italics* (Version 1.2) [Software or Mobile Application]. Developer or app store. URL

Argosy Publishing. (2021). *Human Anatomy Atlas 2021* (Version 2021.2) [Mobile application]. Visible Body. <https://biblioteca.upc.edu.pe/visiblebody>

Resources for consultation

New Writing, Citation, and Reference Standards

https://www.caribbean.edu/Base_de_datos/Nuevas_Normas_del_Manual_APA7.pdf

APA Style Citation Guide, 7th Edition

<https://biblioguias.ucm.es/estilo-apa-septima/inicio>

Tables

- Tables must be submitted on separate pages, numbered consecutively, and identified with the name of the first author at the bottom of each table. Electronic files must also be provided in any format compatible with MS Word.
- Table size must be proportional to the Bulletin's page layout (17 × 24 cm). If a table is too large, it must be divided into two or more tables.
- The table number and title must be placed at the top of the table. Column headings should be brief, and units of measurement must be given in parentheses.
- Any explanation related to the table (abbreviations, references, etc.) may be included as footnotes.
- References to tables in the text should be made as: Table x or (Table x), where x is the table number.



- If tables are included in the Appendices section, they must be placed in the manuscript with their own numbering (A1, A2, etc.), after the tables with simple numbering (1, 2, etc.).
- If tables are included as Appendices or Electronic Supplements, references to them in the text should be made as: Table Ax or (Table Ax), or Table Sx or (Table Sx), where x is a number. Captions corresponding to figures included in the main text should appear first, followed by those corresponding to figures in the Appendices.

Figure captions

Each figure must be accompanied by a caption indicating its number and description. The description must be precise and include an explanation of all symbols and abbreviations used. Figure captions must be written in consecutive order, double-spaced, and on separate pages. They must be placed at the end of the electronic file containing the text.

Figures

- Figures (maps, graphs, line drawings, and photographs) must be numbered consecutively and submitted on separate pages, with one figure per page, including the corresponding figure number and the name of the first author.
- Electronic files of all figures must be submitted in high resolution: at least 300 dpi for color or grayscale images, and 600 dpi for black-and-white drawings, diagrams, and maps. Files should preferably be in TIFF or high-quality JPEG format.
- Figures must be clear, and their size must be proportional to the dimensions of the Bulletin's page layout (17 × 24 cm). Font sizes and line weights must be selected considering the necessary reduction. Use graphic scales instead of magnification factors and include units of measurement. If screening is used, patterns must have sufficient contrast and be open enough to accommodate the reduction factor.
- Maps must indicate North, include at least two coordinate values on each axis, and present a graphic scale. Geographic locations referred to in the text must be included and identified on maps.
- Text within figures must be written using the same font as the main text (Times New Roman, 12-point).
- References to figures in the text should be made as: Figure x or (Figure x), where x is the figure number.
- If figures are included in the Appendices section, they must be placed in the manuscript with their own numbering (A1, A2, etc.), after figures with simple numbering (1, 2, etc.).
- If figures are included as Appendices or Electronic Supplements, references to them in the text should be made as: Figure Ax or (Figure Ax), or Figure Sx or (Figure Sx), where x is a number.
- Color figures are accepted without restriction.



Appendices or electronic supplements

- Appendices are understood as all additional documentation included at the end of the article, after the references, as an integral part of the manuscript. Electronic Supplements are understood as any electronic files (with no limit in number) submitted as additional documentation outside the main body of the article.
- If appendices or electronic supplements are included, whether in the form of tables or figures, the same guidelines apply as those indicated above, with the exception that the letter A (uppercase) is added before the numbering for appendices, or the letter S (uppercase) for electronic supplements. In both cases, tables and figures will have independent consecutive numbering. Example: Table S1, Figure A2, etc.

Checklist for Submission

As part of the submission process, authors are required to verify that their submission complies with all of the elements listed below. Submissions that do not meet these guidelines will be rejected.

1. The manuscript has not been previously published and is not under consideration for publication in another journal. If this is not the case, a detailed explanation must be included in the section *Comments to the Editor*.
2. A signed cover letter must be attached, in which the authors declare the originality of the work and confirm the agreement of all co-authors.
3. The text was prepared using Microsoft Word (or a compatible format), in Times New Roman 12-point font, double-spaced, with all lines numbered consecutively and page numbers included.
4. All figures are submitted as separate electronic files, in high resolution: a minimum of 300 dpi for color or grayscale images, and 600 dpi for black-and-white drawings, diagrams, and maps.
5. The manuscript complies with the stylistic and bibliographic requirements described in the *Instructions for Authors*.
6. The authors agree that, during the review process, all manuscripts and responses will contain no author names or identifying information, either in the document itself or in the file metadata.