

Iberomyrmex. Bulletin of the Iberian Myrmecological Association

IBEROMYRMEX

EDITORIAL

TEAM:

Editorial committee, with editors-in-chief (Elena Angulo and Olga Boet) and associate editors (Daniel Sánchez García and Roberto Keller)
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PRESENTATION AND OBJECTIVES OF THE JOURNAL

Objectives of the AIM bulletin

The main objective is the publication of scientific and popular articles on any aspect of myrmecology, especially within the Iberian Peninsula. The journals must integrate and synthesize knowledge about ants, with an educational character (referring to teaching appropriately and measuredly) with high accessibility and longevity (of the content therein, as opposed to forums or chats where it gets lost). It is a space for inclusion, emphasizing its link with the AIM, and adding value to the bulletin and the association through this connection.

In consistency with these aims, Iberomyrmex supports the following initiatives:

- **Open science:** publication of open access, at no cost to readers, and under the Public License 4.0 (Creative Commons) where authors retain copyright. The articles of the scientific section will be deposited in the DIGITAL.CSIC repository through the "Diamond in green" service, which offers a stable publication infrastructure and has a management and/or funding link with the CSIC (<https://digital.csic.es/handle/10261/393805>).
- **Fast and transparent science:** publication of Pre-Prints and open peer review through the open peer review module (OPRM) of the "Diamond in green" service.
- **Integrated science:** assignment of ORCID to scientific articles to univocally attribute each article with its respective authors.

In order to promote a fair and equitable science, manuscripts submitted to Iberomyrmex must meet the following requirements:

- The corresponding author must ensure that the work is original, no co-author responsible for the work has been omitted, and that all authors have contributed significantly to the development of the work.
- The corresponding author has the consent of all co-authors to proceed with the submission and publication of the article in the journal. Likewise, they assume the responsibility of keeping them informed about the status of the manuscript throughout the review process, as well as the final editorial decision.
- A detailed description must be included, for example, in the materials and methods section, of the permits obtained to conduct research with animals or in protected areas, when these are pertinent.

- It is mandatory to declare any conflict of interest that could affect the interpretation of the results, as well as to specify the funding sources of the study, if any.

Characteristics of the AIM bulletin

PERIODICITY: Annual, with the content available on the website at the time the works are accepted and laid out, without any section being essential. The complete bulletin will preferably be published at the end or beginning of the year, with the final pagination and layout of the volume. Open access publication on the AIM website.

Scientific articles are published individually as they are accepted (pre-print version) without having to wait for the annual issue of the journal to come out (downloadable online in pdf, with their own DOI, without pagination) and once a year they are published jointly in the journal format.

THEMATIC SCOPE: Everything related to myrmecology sensu lato.

LANGUAGE: to choose between Spanish (preferred) or English, although scientific articles preferably in English or bilingual.

SECTIONS: There are three sections with different typologies or subsections: scientific, popularization, and a section dedicated to the AIM Myrmecology Congress (Taxomara). The subsections of the popularization part are orientative and may change or incorporate new titles/sections, as considered by the editorial team. Authors must indicate the typology of the scientific or popularization article which will be ratified by the editors based on its content and interest.

GENERAL PUBLICATION GUIDELINES FOR ALL SECTIONS

The manuscript must be sent to iberomyrmex@mirmiberica.org, conforming to the publication guidelines, so it is recommended to use the template prepared with the format and requirements for publishing in Iberomyrmex. Below, the guidelines and publication format are detailed for your reference.

List of authors For each author, the first name must be indicated first, followed by the surname. Each author will be separated from the next by a comma. After the author's name, a superscript number will be included to indicate the corresponding affiliation. Example: Marta Millán^{1,2}, Álex Martínez-Bota²

Author affiliations The institution and its complete postal address must be indicated. A different paragraph will be used for each affiliation.

- Units of measurement must be abbreviated according to the international system of units.
- Numbers from zero to nine in words, from 10 onwards in figures (with some exceptions).

- Preferably, italics, bold, small caps, underlines, etc. will not be used except in the indicated cases.
- Grammatical rules not established in this document will default to those of the RAE.
- Symbols, abbreviations, and acronyms must be defined the first time they are used. All units of measurement must be expressed using the International System of Units (SI).
- Numeric expressions written with figures decimals will be expressed with points or commas according to the language used in the text (in Spanish "," for decimals and "." for thousands; in English "." for decimals and "," for thousands).
- The use of pull quotes and footnotes is not allowed.
- When material from various centers is studied, a list of these and the corresponding abbreviations used in the text must be presented.
- The rules of the International Code of Zoological Nomenclature or the corresponding taxon will be followed, unless there is justified cause. Vulgar or common names of taxa are written in lowercase (arthropods, insects, formicids, etc.). Scientific names of taxa must always be written in uppercase (Arthropoda, Insecta, Formicidae, etc.). Only the genus, species, and subspecies should be written in *italics*.

Citations and species occurrences. When citing the name of a taxon (genus or species) for the first time in the text, it must be written unabbreviated, and accompanied by the complete data of the author of the description including the year. Subsequently, it is recommended to abbreviate the genus and omit the descriptor's data (except if the sentence starts with the full name of the species). If the work has a table or annex with the list of taxa, it is preferable to present the descriptor's data there.

- Dates will be written in the format dd/mm/yyyy (day/month/year).
- Geographical coordinates must be well documented. It is recommended to indicate them in decimal degrees (DD), using the WGS84 datum, and specifying first the latitude and then the longitude, separated by a comma and a space. At least four decimal places must be included to ensure accuracy, unless justified by the author. For example: 40.3457, -1.1064.

Tables and figures, including drawings, maps, diagrams, photographs, etc. All tables and figures must follow a single sequential numbering as they are cited in the text (for example, Table 1, Table 2, Figure 1, Figure 2). There are no color restrictions, but in figures prepared by the authors, it is recommended to design figures and maps taking into account the needs of people with dyschromatopsia (colorblind-friendly palettes). See some tips and tools here and here. In the same way, in line graphs, the use of different types of lines is recommended to facilitate distinction. Tables and figures will be sent in independent files and must be of sufficient quality to be reproduced (300 dpi) and sent in .TIFF or .JPG or .PNG format. It is important that, regardless of their resolution, all elements of the image can be clearly visualized.

Bibliographical references. In the text, references to works will be cited in parentheses, indicating the author's surname, or those of the (two) authors, followed by the year of publication and without using a comma in between. In the event that the work has more than

two authors, the surname of the first author will be cited and "et al." (without italics) will be used to refer to the rest of the authors. When there are several consecutive citations, they will be ordered chronologically first and alphabetically later, separated by ";". When two works by the same authors and the same year of publication are cited, a letter will be added after the publication year.

Examples:

(Acevedo and Delibes-Mateos 2013)

(Aldrich et al. 1997)

(Aldrich et al. 1997; Acevedo and Delibes-Mateos 2013; Behnke and Mortimore 2016a, 2016b)

For works pending publication, the expression "in press" in parentheses will be used, replacing the publication date.

For computer software, the version used and the URL must be cited in addition to the copyright author and year. It is recommended to avoid as much as possible citations to websites or online resources without a permanent identifier. In case of citing them, their references must indicate, in addition to the URL, the date of consultation. If it is considered pertinent to cite non-consultable sources, they must be accompanied by the expression "unpublished data" or "personal communication" in parentheses, and their respective references will not be included in the bibliography.

Bibliographical references The list of bibliographical references will be incorporated at the end of the manuscript in the "References" section. It will include all and exclusively the references cited in the article. It will consist of a list ordered alphabetically by authors and, within each author, chronologically. In the case of two or more works by the same author and year, a letter will be noted after the year (2008a, 2008b, etc.). The proper way to cite articles, books, book chapters, and theses in the references section is by following the Google Scholar APA format.

Examples in English:

Hölldobler, B., & Wilson, E. O. (1998). Journey to the ants: a story of scientific exploration. Harvard University Press.

Wilson, E. O., & Hölldobler, B. (2005). Eusociality: origin and consequences. Proceedings of the National Academy of Sciences, 102(38), 13367-13371.

Parr, C. L., Dunn, R. R., Sanders, N. J., Weiser, M. D., Photakis, M., Bishop, T. R., ... & Gibb, H. (2017). GlobalAnts: a new database on the geography of ant traits (Hymenoptera: Formicidae). Insect Conservation and Diversity, 10(1), 5-20.

Examples in Spanish:

Hölldobler, B., y Wilson, E. O. (1998). *Journey to the ants: a story of scientific exploration*. Harvard University Press.

Wilson, E. O., y Hölldobler, B. (2005). Eusociality: origin and consequences. *Proceedings of the National Academy of Sciences*, 102(38), 13367-13371.

Parr, C. L., Dunn, R. R., Sanders, N. J., Weiser, M. D., Photakis, M., Bishop, T. R., ... y Gibb, H. (2017). GlobalAnts: a new database on the geography of ant traits (Hymenoptera: Formicidae). *Insect Conservation and Diversity*, 10(1), 5-20.

GENERAL PUBLICATION GUIDELINES FOR THE SCIENTIFIC SECTION

This section is complementary to the general publication guidelines for all sections (previous section). The scientific section may receive 3 types of works:

1. Original articles and scientific notes. They consist of novel scientific works. Following open science best practices, data must be published either in an internationally recognized official data repository (e.g. Zenodo, Dryad) linking it to the article (recommended method since the dataset will have its own DOI), or as supplementary material to the articles (then it will have the same DOI as the article). The recommended structure of an article or note is the following: introduction, material and methods, results, and discussion. They will be subject to a double open review system. [Click here to download the template.](#)

2. Review and opinion articles: Compilation and synthesis works, reporting historical and/or current knowledge on a topic of interest. In the case of opinion articles, they allow for the communication of thoughts or perspectives of outstanding scientific interest, exposing knowledge gaps, or suggesting future research paths. These articles must be supported by bibliographical references. In each case, the editors will evaluate the evaluation system to apply. [Click here to download the template.](#)

3. Data papers: Unlike a conventional scientific article, the main purpose of this type of publication is to describe the data and the circumstances of its collection (instead of formulating hypotheses or conclusions), with the aim of giving credit and recognition to all people involved in the publication of data, as well as facilitating the discovery, reuse, and citation of biodiversity data, especially in the field of research and decision-making. With this article typology, the intention is to recognize and accredit those responsible for the collection and publication of data, through the indexing and citation of the published work, in the same way as occurs with any conventional academic publication, offering benefits to authors in terms of academic visibility and professional projection. Note: do not confuse a data paper with the data of an original article published in a repository. The structure of the article will depend on the type of data, but it must always contain the methods and the description of the data (metadata). Recommended formats for data: CSV, XML, XLS. They will be subject to a double open review system. [Click here to download the template.](#)

The open review system will be carried out through the open peer review module (OPRM) for the review process of manuscripts sent to the journal.

Title The main one in the language of the article's text, must exactly reflect the content of the work, in bold and lowercase. On the next line, the title of the article translated into English or Spanish, and in brackets, without bold and in lowercase

Authors Enumeration of the authors of the article and their affiliations

Corresponding author The name and email address of the corresponding author responsible for communication with the journal must be indicated. Example: A. Martínez-Bota [a.martinezb@univ.es]

Resumen/Abstract (maximum 250 words) is mandatory in Spanish and English. The abstract must state the purpose of the article, a synthesis of the methodology used, the most relevant results obtained, and their implications (without references). Notes are exempt.

Palabras clave/Keywords Must include a maximum of 10 words reflecting the contents of the article. They will be arranged in alphabetical order and separated by semicolons (;). Notes are exempt.

Titles, authors, affiliations, addresses, corresponding author, abstracts, and keywords, and the correct citation of the article must run consecutively (without blank lines) and be separated from the rest of the manuscript by a page break.

Body of the text Recommended in English or bilingual, Spanish is also accepted. Translation costs are borne by the authors. Research articles will typically contain the following sections: "Introduction - Material and methods - Results - Discussion". Review or opinion articles do not have to follow these rules. Data papers may have a different structure depending on the type of data, but they must always contain the methods and the description of the data (metadata). The rest of the contributions do not normally require sections. Authors can create second-order sections within each section. It is recommended to include collection permits in Material and methods when applicable.

Species occurrence citations It is recommended to include data on species occurrences (distribution citations) in the text, according to the format recommended by CETAF (https://sciencepress.mnhn.fr/sites/default/files/material_citations_formatting_guide.pdf):

COUNTRY – Region/Province • specimens [e.g. 1 worker, or queen]; locality [from largest to smallest]; coordinates; altitude [using m]; date [format: 16/01/1998, day/month/year]; collector [followed by "leg."]; other collection data [e.g. microhabitat/host/collection method]; barcodes/identifiers [e.g. GenBank: MG779236]; institutional/collection code and specimen code [e.g. KGCOL 00507]; identifier

Punctuation. The bullet (• [unicode: 2022]) indicates the beginning of an occurrence citation. Within each citation, the different fields are delimited by semicolons. The same field can be composed of several elements, separated by commas (for example, region, area, city, and street details for the "locality" field). It is not necessary to indicate the absence of any of the fields, nor mark them with extra semicolons. The identifier field refers to the person responsible for the species assignment if it does not coincide with the collector.

Example:

Tetramorium bicarinatum (Nylander, 1846)

New records. SPAIN – Alicante • Alicante, Parque de Canalejas, Estación de autobuses; 38.340253, -0.487536; 15/08/2020; Reyes-López, J.L. leg.; B-0329 – Málaga • Málaga, Playa de la Misericordia; 36.699148, -4.436065; 7/09/2019; Reyes-López, J.L. leg.; B-0097 • Torremolinos, Parque de la Batería; 36.613653, -4.507089; 09/09/2019; Reyes-López, J.L. leg.; B-0085 • Torrox, Jardines en la playa; 36.729855, -3.949612; 29/02/2020; Reyes-López, J.L. leg.; B-0174.

Other records. SPAIN – Córdoba • Córdoba, Jardines Presidente Adolfo Suárez González; 37.889225, -4.786675; 27/10/2003; Reyes-López, J.L., Espadaler, X. leg.; A-0431 • Córdoba, Jardines Presidente Adolfo Suárez González; 37.902176, -4.775306; 15/10/2004; Reyes-López, J.L., Espadaler, X. leg.; A-0699.

[Editors' note: with the current issue of *Iberomyrmex* we are implementing, in an experimental phase, the rule regarding the need to deposit reference specimens that provide evidential support to the published new locality records. The idea is to reinforce the scientific validity of this type of data, as there is the possibility of its a posteriori verification, whether due to identification doubts or changes in species taxonomy. This practice is already common for some *Iberomyrmex* authors, and the introduction of this rule aims to formalize and generalize it. We appreciate your opinions]

Reference specimens In case of publishing citations of new locality records for species, it is recommended to deposit, before the article's publication, reference specimens (vouchers) in a scientific collection with public access. The deposit collection must be clearly indicated in the methods, and occurrence citations must include the institution/collection code and the specimen code.

AIM will maintain a reference collection to which the specimens to be cited can be sent, and the necessary collection codes and specimen codes for publication will be attributed. The National Museum of Natural History and Science (MNHNC), Lisbon, Portugal, commits to safekeeping the AIM collection on deposit, to guarantee its preservation, organization, digitization, and public access for consultation.

The	delivery	address	is:
Roberto			Keller

Museu Nacional de História Natural e da Ciência
Rua da Escola Politécnica 56/58
1250-102 Lisboa PORTUGAL
+351 963537125
rkeller@edu.ulisboa.pt

Tables and Figures In addition to complying with the general guidelines, table and figure captions must obligatorily be expressed in Spanish and English (bilingual). The editorial team can help with the translation if necessary. Figures must be clear, readable, descriptive, and correctly cited in the text. They will be numbered as Figure 1, Figure 2, etc., according to the order of appearance in the text, regardless of whether they are graphs, photographs, maps, or other graphic material. The figure and table captions will appear at the end of the manuscript text and separated by a page break, must include the description of abbreviations, symbols, and other elements of the figures and tables; scientific names must be written in full.

Supplementary Material. Additional material that does not fit in the article due to exceeding length such as extensive tables, additional methodology details or auxiliary graphs, or due to the nature of the format such as film sequences. The content of any digital supplementary material will be subject to the same scientific editorial process as the accompanying manuscript. However, the author is responsible for editing and formatting.

Data and code availability. In our commitment to transparency and reproducibility in science, the data and analyses supporting the results presented in the contribution must be available. The data and the script with which the raw data have been transformed and analyzed will be published as supplementary material. If requested by the author, the data may be subject to an embargo for a time agreed upon between the author and the Iberomyrmex editorial team.

Authors' contribution The authors' contribution to the work using the CRediT system must be included in the document. With this system, the various roles that authors may have in the final work are recognized, from the original idea to data collection, writing, funding, and analysis, making the information about their contribution more transparent. The CRediT system is based on a taxonomy of 14 terms to which the different authors can be assigned, which can be seen at <http://credit.niso.org/>. It is not necessary to use all terms if not needed, and the same author can be assigned to several of these roles.

Funding, potential conflicts of interest, and acknowledgments. The funding source of the presented work must be included in this section, as well as the code of the permits required to carry out the research (when relevant) and the publication of any potential conflict of interest. An acknowledgments section can be added.

SPECIFIC PUBLICATION GUIDELINES FOR ARTICLES IN THE POPULARIZATION SECTION

This section is complementary to the general publication guidelines for all sections (see first section). The popularization section is very diverse in format and the publication guidelines will

depend on the type of contribution or subsection. It is recommended to follow the corresponding template. In case of doubts or difficulty in adapting to the template, contact the editors.

In general, for contributions in the format of an article, interview, diary, observatory, ant of the year, etc. where the main contribution lies in the text, the rules to apply are detailed below. In some cases, the editorial team may request or accept modifications.

- Title in bold, not exceeding 130 characters.
- It is recommended not to exceed 3,400 words.
- It is encouraged to accompany the text with figures (photographs, illustrations, diagrams, tables, maps...)

In the case of contributions where the text is not the main content, such as illustrations, or of a lighter format, such as entertainment, technical data sheets, literary recommendations, etc., contact the popularization editor directly via the contact email.

SPECIFIC PUBLICATION GUIDELINES FOR THE TAXOMARA SECTION

This section is reserved for works related to the AIM Taxomara International Congress, mainly the latest edition. They must contain three subsections:

- **Presentation of Taxomara.** Descriptive article of the event and list of attendees
- Abstracts of oral and poster presentations
- List of species found (using the corresponding table in the template). [Click here to download the template.](#)

The congress organization will provide the content of this section, including the complete list of members of the organizing committee and the scientific committee.

In the case of the organizing committee, the name and surnames of each member will be detailed, specifying their respective positions when appropriate.

For the scientific committee, the name and surnames of all members will be provided, along with their academic title or treatment (Dr., Mrs., Mr., etc.) and the entity to which they belong.