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DESCRIPTION

The *Journal of Human Evolution* concentrates on publishing the highest quality papers covering all aspects of human evolution. The central focus is aimed jointly at paleoanthropological work, covering human and primate fossils, and at comparative studies of living species, including both morphological and molecular evidence. These include descriptions of new discoveries, interpretative analyses of new and previously described material, and assessments of the phylogeny and paleobiology of primate species. Submissions should address issues and questions of broad interest in paleoanthropology.

In addition to original research papers, space is allocated for the rapid publication of short communications on new discoveries, such as exciting new fossils, as well as to lead book reviews and obituaries. All manuscripts are subjected to review by three referees.

Research Areas Include:
- Paleoanthropological work, covering human and primate fossils
- Comparative studies of living species, including both morphological and molecular evidence
- Primate systematics and phylogeny, behavior
- Functional studies, particularly relating to diet and locomotion
- Body size and allometric studies
- Studies in Paleolithic archaeology
- Taphonomic and stratigraphical studies supporting fossil evidence for primate and human evolution
- Paleoecological and paleogeographical models for primate and human evolution

AUDIENCE

Biologists, palaeontologists, anthropologists, archaeologists and geologists interested in all aspects of the evolution of humans and other primates.

IMPACT FACTOR

2018: 3.155 © Clarivate Analytics Journal Citation Reports 2019
ABSTRACTING AND INDEXING

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GUIDE FOR AUTHORS

INTRODUCTION

The Journal of Human Evolution (JHE) is the premier forum in physical anthropology and paleontology for publishing high quality, peer-reviewed research papers on all aspects relating to human and primate evolution. The central focus is aimed jointly at paleoanthropological work, covering human and primate fossils, and at comparative studies of living species, including both morphological and molecular evidence. These include descriptions of new discoveries, interpretative analyses of new and previously described material, and assessments of the phylogeny and paleobiology of primate species. Submissions should address issues and questions of broad interest in paleoanthropology.

Types of article

Research papers should be written as concisely as possible and contain the maximum density of information. Submitted manuscripts can be any length up to approximately 150 pages (including tables and references), subject to limitations on space. The Editors of JHE will also consider publishing special issues devoted to particular topics or themes that fall within the purview of the journal. Presubmission inquiries to the Editors, including detailed special issue proposals, are mandatory.

In addition to original research papers, space will be allocated in the "News & Views" section of the journal for short communications on new discoveries or critical comments on recently published papers, whether in JHE or elsewhere. These are normally less than 3000 words (references excluded) and include up to 4 figures or tables and no abstract. Short research papers are not included in News & Views but will be handled in the regular research paper stream.

JHE also publishes peer-reviewed lead reviews of books and obituaries. They are normally less than 4000 words (references excluded). Presubmission inquiries about book review proposals (to the Book Review Editor) and obituaries (to the Editors-in-Chief) are mandatory.

The JHE will publish Monographs as separate supplements to the Journal. A maximum of one monograph per year will be published. Monographs are intended to offer a venue for publication of long single papers that provide a comprehensive treatment of topics that fall within the purview of the journal. Proposals for monographs should be submitted to the Editors-in-Chief.

Contact details for submission

Authors are requested to submit their articles electronically by using the journal's online submission and tracking tool https://www.editorialmanager.com/humev/default.aspx.

Authors who are unable to access the online editorial system to submit their manuscripts should contact one of the Editors-in-Chief via email to arrange an alternative means of submission.

Submission checklist

You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

Ensure that the following items are present:

One author has been designated as the corresponding author with contact details:
- E-mail address
- Full postal address

All necessary files have been uploaded:
- Manuscript:
  - Include keywords
  - All figures (include relevant captions)
  - All tables (including titles, description, footnotes)
  - Ensure all figure and table citations in the text match the files provided
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• All references mentioned in the Reference List are cited in the text, and vice versa
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BEFORE YOU BEGIN

Ethics in publishing
Please see our information pages on Ethics in publishing and Ethical guidelines for journal publication.

Studies in humans and animals
If the work involves the use of human subjects, the author should ensure that the work described has been carried out in accordance with The Code of Ethics of the World Medical Association (Declaration of Helsinki) for experiments involving humans. The manuscript should be in line with the Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals and aim for the inclusion of representative human populations (sex, age and ethnicity) as per those recommendations. The terms sex and gender should be used correctly.

Authors should include a statement in the manuscript that informed consent was obtained for experimentation with human subjects. The privacy rights of human subjects must always be observed.

All animal experiments should comply with the ARRIVE guidelines and should be carried out in accordance with the U.K. Animals (Scientific Procedures) Act, 1986 and associated guidelines, EU Directive 2010/63/EU for animal experiments, or the National Institutes of Health guide for the care and use of Laboratory animals (NIH Publications No. 8023, revised 1978) and the authors should clearly indicate in the manuscript that such guidelines have been followed. The sex of animals must be indicated, and where appropriate, the influence (or association) of sex on the results of the study.

Authors of manuscripts submitted to Journal of Human Evolution that report research concerning living subjects, whether in the field or in the laboratory, are expected to comply with all relevant institutional and governmental policies, regulations, and guidelines regarding the ethical treatment of their subjects. Authors should record their compliance with such policies, regulations, and guidelines, as implemented under protocols developed by the relevant institution(s) with which authors are affiliated, in the Methods section of their manuscripts. The editors reserve the right to request documentation of such compliance. Ensure that if living subjects are identifiable in figures, you have their permission to include their image in your submission. Please supply confirmation of this to the Editor at the time of submission: it is good practice to include such a declaration in your consent forms.

Declaration of interest
All authors are requested to disclose any actual or potential conflict of interest including any financial, personal or other relationships with other people or organizations within three years of beginning the submitted work that could inappropriately influence, or be perceived to influence, their work. More information.

Submission declaration and verification
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PREPARATION
Papers should be submitted in English. Manuscripts should use double-spacing throughout (including references, tables, legends and footnotes). The position of tables and illustrations should be indicated in the text; footnotes, tables and legends for illustrations should be typed separately at the end of the manuscript. Figures and tables should be comprehensible without reference to the text. All pages should be numbered serially. Manuscripts must be submitted in a complete and finished form. The Editors reserve the right to return unacceptable material to authors for revision.

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Submit the Title Page containing the Authors details and Blinded Manuscript with no author details as 2 separate editable files.

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This should include the title, authors’ names and affiliations, the e-mail address of the corresponding author, and Acknowledgments (including funding sources).

Information to help prepare the Blinded Manuscript
Besides the obvious need to remove names and affiliations under the title within the manuscript, there are other steps that need to be taken to ensure the manuscript is correctly prepared for double-blind peer review. To assist with this process the key items that need to be observed are as follows:
Use the third person to refer to work the Authors have previously undertaken, e.g. replace any phrases like as we have shown before with has been shown before [citation]. Make sure figures do not contain any affiliation related identifier.
Do not eliminate essential self-references or other references but limit self-references only to papers that are relevant for academic reasons.
Remove any identifying information, including author names, from file names and ensure document properties are also anonymized.
Use of word processing software

It is important that the file be saved in the native format of the word processor used. The text should be in single-column format. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. In particular, do not use the word processor's options to justify text or to hyphenate words. However, do use bold face, italics, subscripts, superscripts etc. When preparing tables, if you are using a table grid, use only one grid for each individual table and not a grid for each row. If no grid is used, use tabs, not spaces, to align columns. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the Guide to Publishing with Elsevier). Note that source files of figures, tables and text graphics will be required whether or not you embed your figures in the text. See also the section on Electronic artwork.

To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

Subdivision

Section headings

Section headings should be in bold, lower case font for second and subsequent words; sub-section headings italicized, lower case font for second and subsequent words; sub-subsection headings should be placed left and underlined, lower case font for second and subsequent words, and with text following on the same line (no punctuation following underlined section). See the example below:

Section heading

Text begins here.

Sub-section heading

Text begins here.

Sub-subsection heading Text begins here.

Materials and methods

Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference, but sufficient detail must be provided so that readers can understand the methods without referring to separate papers. Authors must supply complete and accurate information about the location and accession of material, both at the time it was studied and, if different, at the time of publication (for example, if the material was on loan or not fully accessioned in a single institution at the time of study). In line with the journals commitment to open access and transparency, specimen numbers of material (both fossil and modern comparative) analyzed as part of the submitted work should be included either in the main manuscript or, in cases where a large sample is used, as supplementary online material.

Systematics/Systematic paleontology

In taxonomic papers, a section of Systematics (for extant taxa) or Systematic paleontology (for extinct taxa) is required, either before or in substitution for the Results section (see specific guidelines for taxonomic papers below).

Results

Results should be clear and concise.

Discussion

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion or Discussion and Conclusions section is sometimes appropriate. Avoid extensive citations and discussion of published literature

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 section.

Appendices

If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.
**Essential title page information**

- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
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Highlights are optional yet highly encouraged for this journal, as they increase the discoverability of your article via search engines. They consist of a short collection of bullet points that capture the novel results of your research as well as new methods that were used during the study (if any). Please have a look at the examples here: example Highlights.

Highlights should be submitted in a separate editable file in the online submission system. Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point).

**Abstract**

An abstract will be printed at the head of all papers; this should not exceed 300 words, and should be intelligible to the general reader without reference to the main text. Abbreviations and literature citations should be avoided in the abstract.

**Keywords**

Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general 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.

**Abbreviations**

Define abbreviations 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.

**Acknowledgements**

Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

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List funding sources in this standard way to facilitate compliance to funder's requirements:

**Funding:** This work was supported by the National Institutes of Health [grant numbers xxxx, yyyy]; the Bill & Melinda Gates Foundation, Seattle, WA [grant number zzzz]; and the United States Institutes of Peace [grant number aaaa].

It is not necessary to include detailed descriptions on the program or type of grants and awards. When funding is from a block grant or other resources available to a university, college, or other research institution, submit the name of the institute or organization that provided the funding.

If no funding has been provided for the research, please include the following sentence:
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Please list funding sources within the Acknowledgments.

Author contributions
Specifying author contributions is not mandatory, but if such statement is used, then it must be placed in a different section immediately after the acknowledgements and before the references list

Units
Follow internationally accepted rules and conventions: with some exceptions (e.g., geological time), use the international system of units (SI). If other units are mentioned, please give their equivalent in SI.

Time units (Ma, ka, cal BP, etc.), mammalian dental nomenclature (upper and lower teeth denoted by superscripts and subscripts) and taxonomic abbreviations (see specific guidelines for taxonomic papers below) are considered standard abbreviations and need not be defined. Other common standard abbreviations that are accepted and should not be written in italics are the following: 'et al.' (et alii: and others), 'e.g.' (exempli gratia: for example; always followed by comma), and 'i.e.' (id est: that is to say; always followed by comma). Similarly, other words of Latin origin that are not abbreviated should not be italicized either (e.g., 'a priori', 'a posteriori', 'per se', 'contra').

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Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors can build footnotes into the text, and this feature may be used. Otherwise, please indicate the position of footnotes in the text and list the footnotes themselves separately at the end of the article. Do not include footnotes in the Reference list.

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General points
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• Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.
• Number the illustrations according to their sequence in the text.
• Use a logical naming convention for your artwork files.
• Provide captions to illustrations separately.
• Size the illustrations close to the desired dimensions of the published version.
• Submit each illustration as a separate file.
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A detailed guide on electronic artwork is available.

You are urged to visit this site; some excerpts from the detailed information are given here.

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• Submit graphics that are disproportionately large for the content.
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Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

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Tables must be double spaced throughout. Please note the upper and lower line for the headings row and the line below the table. There are no vertical lines in JHE tables. Tables should be submitted within a single file separately from the main text (if using Excel, each table can be on a separate sheet within a single file). Each table body should be preceded by the table caption and followed by notes to the table (if any), denoted by lowercase superscript letters. Do not supply table captions separately in the main text.

**References**

**Citation in text**
Please ensure that every reference cited in the text is also present in the reference list (and vice versa). References are not allowed in the abstract. Unpublished results, manuscripts in preparation, and personal communications should not be included in the reference list, but may be mentioned in the text using 'author's unpublished results', 'in prep.', 'pers. comm.', or similar expressions within parentheses. If citing a personal communication, please ensure that you supply verification from the person providing the communication that they agree to it being included in your submission. If gray literature documents (unpublished reports, submitted manuscripts, etc.) are cited, they must be included as such in the reference list. Citation of a reference as 'in press' implies that the item has been accepted for publication. For journal articles prepublished online, volume number and page range should be substituted by the DOI. For online only articles, page range should be substituted by article number (DOI is not required). Issue number within volume should only be included (within parentheses, between volume number and page range) when page numbering is not consecutive throughout successive issues of the same volume. In taxonomic papers, taxonomic authorities (i.e., authorships) should be provided after taxon names, and the corresponding references included in the reference list (see specific guidelines for taxonomic papers below).

**Reference links**
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As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references must be included in the reference list.
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2. Two authors: both authors' names and the year of publication;
3. Three or more authors: first author's name followed by 'et al.' and the year of publication.
Citations may be made directly (or parenthetically). Groups of references should be listed first chronologically, then alphabetically.
Examples: 'as demonstrated (Allan, 2000a, 2000b, 1999; Allan and Jones, 1999)....
List: References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication.
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Reference to a journal publication with an article number:
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Computer programs


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**SPECIFIC GUIDELINES FOR TAXONOMIC PAPERS**

**Taxonomic papers**

All manuscripts should adhere to the last edition and subsequent amendments of the International Code of Zoological Nomenclature (hereafter, the Code), which can be accessed online (http://www.nhm.ac.uk/hosted-sites/iczn/code/). However, taxonomic papers should follow particular rules that are outlined below (manuscripts will be considered 'taxonomic papers' when new taxa are erected, when amended diagnoses of taxa are provided, or when the main aim of the paper is taxonomic at the Editor's discretion).

**Structure of the paper**

A separate section entitled Systematics (for extant taxa) or Systematic paleontology (for extinct taxa) is mandatory. This section may substitute the standard Results section; if not, then the latter must be placed immediately after the systematic section. This section primary heading should be followed by successive taxonomic subheadings in round type that do not adhere to the style of secondary or tertiary headings of the journal, and which must include rank (but see below), taxon name, and taxonomic authorships and/or specifications about the novelty of taxa (see abbreviations below), without dot at the end. For example:

**Systematic paleontology**

Order Primates Linnaeus, 1758

Infracorder Catarrhini . Geoffroy Saint-Hilaire, 1812

Superfamily Cercopithecoidea Gray, 1821

Family Cercopithecidae Gray, 1821

Subfamily Colobinae Blyth, 1863

Genus Mesopithecus Wagner, 1839

Mesopithecus pentelicus Wagner, 1839

Studied specimens Text follows here in the same line, with the heading underlined and not followed by a dot. When necessary, such as when describing new taxa, tertiary headings of Holotype, Type locality, Diagnosis, Distribution, Etymology, etc., can be provided here.

**Description**

Text begins here, indented, and with the heading in italics on the previous line. Tertiary headings can be added below to separate the description of different anatomical parts. Additional secondary headings (in italics) may be added below, as required (Comparisons, Remarks, etc.).

The use of taxon ranks is mandatory when ruled by the Code (i.e., family-, genus- or species-group taxa), and optional for higher-level ranks not ruled by the Code (e.g., class, order). New taxa must be explicitly denoted as such after taxon name (e.g., sp. nov.), whereas new rank must be explicitly specified after taxonomic authorship. A taxonomic subheading can be followed, on next line, by another taxonomic subheading (of lower rank), a synonyms list, or one or more secondary or tertiary headings (in accordance to the journal style), depending on the case. Tertiary headings will be used except for longer sub-sections of 'Description', 'Comparisons' or 'Remarks', which must be under secondary headings and may be alternatively placed within a separate Results section (if any). The erection of new family- and genus-group taxa must be accompanied at least by a designation of the
type genus or species, respectively, whereas the erection of new species-group taxa must obligatorily include a succinct diagnosis (without references, and preceded by a tertiary heading), which must be differential unless a separate differential diagnosis is provided.

**Synonyms**

If applicable, systematic headings of species-group taxa may be followed by a synonyms list with references. References cited within the synonyms list(s) must be included in the references list of the paper, but their citation does not adhere to the standard citation style of the journal. Only relevant synonyms must be included (e.g., original description, new rank, genus transfer, etc.). Each synonym must be placed on a text line of its own, flushed to the left, beginning with year, followed by colon, taxon name, authorship without year, semicolon plus citation (if different from authorship), colon, plates and/or figures and comma (if applicable), and page range.

**Taxonomic authorities**

Taxonomic authorities (or authorships) should be provided following a taxon name (especially for ranks of the genus-and species-groups) when it is first mentioned in the text, as well as within systematic headings within a formal Systematics or Systematic paleontology section. References for taxonomic authorships used in the text must be included in the references list following the same style as other references. Within the text, taxonomic authorships should follow the recommendations of the Code if they go against the journal's citation style. Therefore, the name of author(s) must be separated from year of original description with a comma, but parentheses can only be used for species-group names when they were originally erected within a different genus from that currently used. For authors, only surnames will be used, unless initials are required to distinguish different authors. For two authors, names must be separated by 'and' (instead of ampersand); for three or more authors, the name of first author followed by 'et al.' should be used as long as the full list of authors can be unambiguously identified in the references list.

**Taxon names**

Genus- and species-group names must be italicized (including tables and figures), whereas taxon names from higher ranks must be in round type and with the first word capitalized. Using the English version of formal family-group (or higher-level rank) taxon names is allowed except in systematic headings, but they must be clearly denoted as such by not being capitalized and by transforming the formal Latin ending of each rank into its standard English version (e.g., -ids instead of -idae for families, -oids instead of -oidea for superfamilies, etc.). Authors should be aware that species names are binomina composed by a genus name and a species epithet, so that the use of isolated species epithets is not warranted; the same applies to subspecies trinomina. Genus names within species binomina must not be abbreviated when they are first mentioned in the text (even if implicit), at the beginning of a sentence, or within a heading (systematic or otherwise). The same applies to species epithets in subspecies trinomina when first mentioned in the text. Genus names must be abbreviated (when necessary) preferentially by using the first (uppercase) letter of the genus name (in italics) followed by a dot. However, different abbreviations must be used for different genera within a paper, so that additional (lowercase) letters must be employed to distinguish abbreviations of genus names beginning with the same letter. For example, genus Australopithecus will be only abbreviated as 'Au.' if Ardipithecus is abbreviated in the same paper as 'A.', although they might be alternatively abbreviated as 'A.' and 'Ar.', respectively. The use of subgenus names (with uppercase first letter) and names of superspecies or groups of species (with lowercase first letter) is optional, but when used, they must be obligatorily within parentheses before the species epithets; only these taxon names, not the parentheses, must be in italics.

**Standard abbreviations and open nomenclature**

When new taxa are erected, their name must be followed by an expression that unambiguously denotes that they are new (e.g., 'sp. nov.', 'gen. nov.', 'gen. et sp. nov.', 'fam. nov.', etc.) in the title, the abstract, the systematics section, and the first time they are mentioned in the text. Expressions 'sp. nov.' and 'gen. nov.' will be used instead of other equivalents, such as 'n. sp.' and 'n. g.', respectively. Authors are encouraged to use open nomenclature modifiers to express
doubts in taxonomic assignments. Indeterminate species must be denoted by 'sp.' after genus name, indeterminate subspecies by 'subsp.' after species name, and 'indet.' for after the family-group taxon name in the remaining instances. When a taxon may be assigned to two different species, separate the two binomina by 'vel' (meaning ‘or’) or slash, not the species epithets by a slash or an hyphen (e.g., Homo erectus vel Homo ergaster or Homo erectus/H. ergaster, instead of Homo erectus/ergaster or Homo erectus-ergaster). Other standard abbreviations are 's.l.' (sensu lato, in broad sense), 's.s.' (sensu stricto, in strict sense), 'cf.' (confer, compare with), 'aff.' (affinis, closely related to) and '?' (question mark). The latter three conventions must not be mistaken with one another: 'cf.' means that a particular specimen is likely to belong to the taxon, but the assignment cannot be confidently confirmed due to the lack of enough data; 'aff.' means that a particular specimen appears most closely related to that taxon but probably represents a different one (likely to be new); the question mark indicates that the taxonomic (not nomenclatural) validity of a particular taxon is doubtful. These conventions must precede the relevant taxonomic rank, separated by space in the case of 'cf.' and 'aff.', and without space in the case of question marks. Therefore, uncertainly at the species rank should be denoted by putting these modifiers before the species epithet without repeating the genus name (e.g., Australopithecus cf. afairensis, not Australopithecus cf. A. afairensis); if taxonomic uncertainty applies to the genus rank as well, then the modifier must be written only once (e.g., cf. Australopithecus afairensis). When the inclusion of a particular species within a genus is questioned but there is no better alternative, then the genus name must be written within simple (not double) quotation marks, which should not be italicized (e.g., 'Sivapithecus' occidentalis). All the taxonomic abbreviations and symbols mentioned above are standard in taxonomy; hence, they should not be italicized, and their meaning should not be further specified anywhere in the manuscript. The same applies to other taxonomic terms, such as 'nomen nudum', 'nomen dubium', 'nomen oblitum', etc.

Citing the Code

When articles of the Code must be cited to discuss a particular nomenclatural decision, the Code must be cited by mentioning the relevant articles: ICZN (1999:Art. 9.3) or (ICZN, 1999:Art. 9.3). In such cases, the Code must be included in the references list as follows:


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