

# Instructions for Authors

## Title Page

Please make sure your title page contains the following information.

### **Title**

The title should be concise and informative.

### **Author information**

The name(s) of the author(s).

- The name(s) of the author(s).

- The affiliation(s) of the author(s): (department), institution, city, (state), zip code, country.

Footnotes to the list of authors should be indicated by superscript lower-case italicized letters.

Please do not include address information.

### **Abstract**

Please provide an abstract of 150 to 250 words. The abstract should not contain any undefined abbreviations or unspecified references.

### **Keywords**

Please provide 4 to 6 keywords which can be used for indexing purposes.

## Text

### **Text Formatting**

- When preparing manuscripts, we suggest that you use manuscript samples that meet publisher's requirements.
- Use only standard fonts: 10-point Times New Roman for text, Symbol for Greek symbols, MathematicalPi2 for handwritten and gothic symbols.
- Use tab stops or other commands for indents, not the space bar.
- Do not end a line by pressing Enter unless this is the end of a paragraph.
- Make full use of your text editor functions: creation of footnotes, enabling and disabling automatic hyphenation, list formatting, indents, etc. Do not use field functions.
- Use the table function, not spreadsheets, to make tables. Avoid creating tables by hand using multiple spaces or tabs and containing no cells.
- Use the International System of Units (SI) for physical quantities and units of measure, and IUPAC nomenclature for chemical compounds.
- Use periods rather than commas in decimals (correct: 0.25, incorrect: 0,25).

- Symbols \*, ', ±, single Greek letters, single italic or boldface characters, single variables or variables with either superscript or subscript letters, units of measure, numbers, and simple mathematical or chemical formulas (e.g.,  $a_2 + b_2 = c_2$ ;  $H_2SO_4$ ) should be typeset as text rather than embedded objects. Do not use Equation, MathType or other tools.
- Dates should be rendered in the following format: January 27, 2014.
- There should not be periods after manuscript title, list of authors, affiliations, keywords, section headings and subheadings, table titles and most of the units of measure.
- Italicize variables and physical quantities, but not abbreviations of words in superscripts and subscripts.
- Save your file in docx format (Word 2007 or higher) or doc format (older Word versions).

## Headings

Please use no more than three levels of displayed headings:

### **FIRST-LEVEL HEADING (centered)**

Second-Level Heading (Beginning of a section, Indent the first line of a section)

**Third-level heading.** (Beginning of a paragraph, Indent the first line of a paragraph)

## Formulas

Mathematical formulas created using MathType should be in one frame. Do not compose a single formula of several MathType objects or a MathType object and text, table, or embedded frame.

For MathType formulas, standard font settings should be used. Do not change these settings for any element of a formula.

Please put a formula that do not fit ordinary lines to a separate line or use format that is most suitable; e.g.,  $a/b$  and  $a \times b^{-1}$  is better than a common fraction with a numerator displayed above the line and a denominator displayed below the line.

## Contractions and Abbreviations

Avoid word contractions altogether and word abbreviations whenever possible. They should be defined at first mention and used consistently thereafter.

## Units of Measure

- Use the International System of Units (SI) for physical quantities and units of measurement.
- Separate units of measure from numbers by a space. Exceptions are: 90°, 20°C, 50%, 10‰.
- Use units of measure consistently throughout the manuscript.

- In ranges and series, retain only the final unit of measure (10–12 mg; 5, 10, and 20 kV; 25–30%; 30, 60, and 90°C). The degree when it indicates angles sign is an exception. - Units of measure for quantities under the log sign should be given in square brackets:  $\ln t[\text{min}]$ .

## Footnotes

- Footnotes can be used to give additional information, which may include the citation of a reference included in the reference list. They should not consist solely of a reference citation, and they should never include the bibliographic details of a reference. They should also not contain any figures or tables.
- Number footnotes to the text consecutively; those to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data). - Always use footnotes instead of endnotes.

## Statements and Declarations

Include the following standard sections for Statements and Declarations.

- ACKNOWLEDGMENTS. Any information about any assistance received when carrying out the work and preparing the manuscript.
- FUNDING. Information on grants and other sources of financial support.
- COMPLIANCE WITH ETHICAL STANDARDS.
- CONFLICT OF INTEREST. Disclose possible conflicts of interest (competing interests) for each author.
- OPEN ACCESS. This section is included if the article is published in open access mode. In that case, the Creative Commons license should be indicated.
- AUTHOR CONTRIBUTIONS. This section is optional and describes the contribution of each author to the study.
- SUPPLEMENTARY INFORMATION. This section notifies of the availability of supplementary materials.
- ADDITIONAL INFORMATION. Everything that should be stated but is not suitable for other sections.

## Reference

### Citation

Reference citations in the text should be identified by numbers in square brackets. Some examples:

- Negotiation research spans many disciplines [3].
- This result was later contradicted by Becker and Seligman [5].
- This effect has been widely studied [1–3, 7].

## Reference list

The list of references should only include works that are cited in the text and that have been published or accepted for publication. Personal communications and unpublished works should only be mentioned in the text.

All references are numbered in order of their appearance in the manuscript.

Every item in the list of references should contain a reference to one source.

The entries in the list should be numbered consecutively.

If available, please always include DOIs as full DOI links in your reference list (e.g. “<https://doi.org/abc>”):

F. X. Gamelin, G. Baquet, S. Berthoin, D. Thevenet, C. Nourry, S. Nottin, and L. Bosquet, *Eur. J. Appl. Physiol.* 105, 731 (2009). <https://doi.org/10.1007/s00421-008-0955-8>

Ideally, the names of all authors should be provided, but the usage of “et al.” in long author lists (>3) will also be accepted:

J. Smith, M. Jones, Jr., L. Houghton, et al., *N. Engl. J. Med.*, 965, 325 (1999).

Always use the standard abbreviation of a journal’s name according to the ISSN List of Title Word Abbreviations, see **CASSI**. If you are unsure, please use the full journal title.

## Tables

- All tables are to be numbered using Arabic numerals.
- Tables should always be cited in text in consecutive numerical order.
- For each table, please supply a table caption (title) explaining the components of the table.
- Identify any previously published material by giving the original source in the form of a reference at the end of the table caption.
- Footnotes to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data) and included beneath the table body.
- Use the table function, not spreadsheets, to make tables. Avoid creating tables by hand using multiple spaces or tabs and containing no cells. • For table formats, please see sample manuscripts.

## Artwork and Illustrations Guidelines

### General Requirements

- **Journal *Astrophysics* is published in black and white**
- Supply all figures electronically.
- Indicate what graphics program was used to create the artwork.

- All illustrations should be placed at the end of the text body together with their figure captions. If a figure consists of several parts, they should be arranged one after another and have a common caption. In a file, illustrations should not be placed in table cells or grouped in a similar way. The original files of illustrations should be submitted along with the manuscript.
  - Name your figure files with “Fig” and the figure number, e.g., Fig1.eps. Each file should contain one figure. If an illustration consists of several parts, they should be grouped in the same file with the correct arrangement of parts.
- Vector illustrations should be presented in the format of the graphics editor used to prepare these illustrations. EPS format is also acceptable.
- All other illustrations are acceptable in any standard graphics formats, though TIFF is preferable.
- Illustrations should have sizes that match one-column: 8–8.5 cm;
- Photographs should be submitted in two variants: with and without text and inscriptions. In other illustrations, inscriptions should not touch any parts of the illustrations;
- For inscriptions, please use standard TrueType fonts; • Do not add shading or grids to the background of graphs.

## **Line Art**

- Graphs and diagrams should be prepared in vector graphics editors;
- Vector illustrations should have a resolution of at least 600 dpi;
- Line widths should not be less than 0.5 pt;
- Vector illustrations should not have dotted fill patterns like Noise, Black&White Noise, and Top noise;
- All fonts should be embedded in a file

## **Figure Lettering**

- To add lettering, it is best to use Helvetica or Arial (sans serif fonts).
- Keep lettering consistently sized throughout your final-sized artwork, usually about 2–3 mm (8–12 pt).
- Variance of type size within an illustration should be minimal, e.g., do not use 8-pt type on an axis and 20-pt type for the axis label.
- Avoid effects such as shading, outline letters, etc.
- Do not include titles or captions within your illustrations.

## **Figure Numbering**

- All figures are to be numbered using Arabic numerals.
- Figures should always be cited in text in consecutive numerical order.
- Figure parts should be denoted by lowercase letters (a, b, c, etc.).
- If an appendix appears in your article and it contains one or more figures, continue the consecutive numbering of the main text. Do not number the appendix figures, "A1, A2, A3, etc."

## **Figure Captions**

- Each figure should have a concise caption describing accurately what the figure depicts. Include the captions in the text file of the manuscript, not in the figure file.
- Figure captions begin with the term Fig., followed by the figure number.
- Identify all elements found in the figure in the figure caption; and use boxes, circles, etc., as coordinate points in graphs.
- Identify previously published material by giving the original source in the form of a reference citation at the end of the figure caption.

## **Permissions**

If you include figures that have already been published elsewhere, you must obtain permission from the copyright owner(s) for both the print and online format. Please be aware that some publishers do not grant electronic rights for free and that the publisher will not be able to refund any costs that may have occurred to receive these permissions. In such cases, material from other sources should be used.

## **Accessibility**

In order to give people of all abilities and disabilities access to the content of your figures, please make sure that

- All figures have descriptive captions (blind users could then use a text-to-speech software or a text-to-Braille hardware)
- Patterns are used instead of or in addition to colors for conveying information (colorblind users would then be able to distinguish the visual elements)
- Any figure lettering has a contrast ratio of at least 4.5:1