PLOS template

Name1 Surname

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with the Lorem Ipsum Consortium

Abstract

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# General guidelines for this Quarto template

This template shows how to use PLOS template from <https://plos.org/resources/writing-center/>. Each journal has a submission guideline page; please refer to it.

* [PLOS Biology](https://journals.plos.org/plosbiology/s/submission-guidelines)
* [PLOS Climate](https://journals.plos.org/climate/s/submission-guidelines)
* [PLOS Digital Health](https://journals.plos.org/digitalhealth/s/submission-guidelines)
* [PLOS Computational Biology](https://journals.plos.org/ploscompbiol/s/submission-guidelines)
* [PLOS Genetics](https://journals.plos.org/plosgenetics/s/submission-guidelines)
* [PLOS Global Public Health](https://journals.plos.org/globalpublichealth/s/submission-guidelines)
* [PLOS Medicine](https://journals.plos.org/plosmedicine/s/submission-guidelines)
* [PLOS Neglected Tropical Diseases](https://journals.plos.org/plosntds/s/submission-guidelines)
* [PLOS ONE](https://journals.plos.org/plosone/s/submission-guidelines)
* [PLOS Pathogens](https://journals.plos.org/plospathogens/s/submission-guidelines)
* [PLOS Sustainability and Transformation](https://journals.plos.org/sustainabilitytransformation/s/submission-guidelines)
* [PLOS Water](https://journals.plos.org/water/s/submission-guidelines)

This template file contains some guidelines and recommandation initially given in plos\_latex\_template.tex that can be found in <https://github.com/quarto-journals/plos/blob/main/style-guide/plos_latex_template.tex>

## Metadata

### About journal id field

This is an identifier for the target journal. It can be derived from https://plos.org/resources/writing-center/ following submission guidelines link, the identifier is the part of the URL after https://journals.plos.org/<id>/s/submission-guidelines

| Journal | id |
| --- | --- |
| PLOS Biology | plosbiology |
| PLOS Climate | climate |
| PLOS Digital Health | digitalhealth |
| PLOS Computational Biology | ploscompbiol |
| PLOS Genetics | plosgenetics |
| PLOS Global Public Health | globalpublichealth |
| PLOS Medicine | plosmedicine |
| PLOS Neglected Tropical Diseases | plosntds |
| PLOS ONE | plosone |
| PLOS Pathogens | plospathogens |
| PLOS Sustainability and Transformation | sustainabilitytransformation |
| PLOS Water | water |

Example :

format:
 plos-pdf:
 journal:
 id: water

## Once your paper is accepted for publication,

Do not include track change in LaTeX file and leave only the final text of your manuscript. PLOS recommends the use of latexdiff to track changes during review, as this will help to maintain a clean tex file. Visit <https://www.ctan.org/pkg/latexdiff?lang=en> for info or contact us at latex@plos.org.

*This should not be a problem using Quarto but still a recommandation from the journal*

There are no restrictions on package use within the LaTeX files except that no packages listed in the template may be deleted.

Please do not include colors or graphics in the text. Color can be used to apply background shading to table cells only.

The manuscript LaTeX source should be contained within a single file (do not use\input, \externaldocument, or similar commands).

Please contact latex@plos.org with any questions submission guidelines. For anything Quarto related, please open an issue in <https://github.com/quarto-journals/plos>. If this is related to the LaTeX template, this could also be a good idea to contact PLOS directly.

## Figures and Tables

Please include tables/figure captions directly after the paragraph where they are first cited in the text.

### Figures

However, do not include graphics in your manuscript

* Figures should be uploaded separately from your manuscript file.
* Figures generated using LaTeX should be extracted and removed from the PDF before submission.
* Figures containing multiple panels/subfigures must be combined into one image file before submission.

**This means that, depending on how you create your figure, a manual post processing will be required.**

For figure citations, please use “Fig” instead of “Figure”. This has been made the default in this Quarto format:

crossref:
 fig-title: Fig

Also, place figure captions after the first paragraph in which they are cited.

See PLOS figure guidelines at <https://journals.plos.org/plosone/s/figures> and in your specific journal guideline.

### Tables

Tables should be cell-based and may not contain:

* spacing/line breaks within cells to alter layout or alignment
* do not nest tabular environments (no tabular environments within tabular environments)
* no graphics or colored text (cell background color/shading OK)

See PLOS table guidelines at <http://journals.plos.org/plosone/s/tables> and in your specific journal guideline.

For tables that exceed the width of the text column, use the adjustwidth environment as illustrated in the example table in text below. If you are in this case, you’ll either need to manually post process the .tex file and recreate the PDF, or you need to include LaTeX tables directly.

Also, place tables after the first paragraph in which they are cited.

## Equations, math symbols, subscripts, and superscripts

Below are a few tips to help format your equations and other special characters according to our specifications. For more tips to help reduce the possibility of formatting errors during conversion, please see our LaTeX guidelines at http://journals.plos.org/plosone/s/latex

* For inline equations, please be sure to include all portions of an equation in the math environment. For example, x$^2$ is incorrect; this should be formatted as (or if the romanized font is desired).
* Do not include text that is not math in the math environment. For example, CO2 should be written as CO\textsubscript{2} giving CO instead of CO$\_2$.
* Please add line breaks to long display equations when possible in order to fit size of the column.
* For inline equations, please do not include punctuation (commas, etc) within the math environment unless this is part of the equation.
* When adding superscript or subscripts outside of brackets/braces, please group using {}. For example, change "[U(D,E,\gamma)]^2" to "{[U(D,E,\gamma)]}^2".
* Do not use \cal for caligraphic font. Instead, use \mathcal{}

## Title and headings

Please use “sentence case” for title and headings (capitalize only the first word in a title (or heading), the first word in a subtitle (or subheading), and any proper nouns).

PLOS does not support heading levels beyond the 3rd, meaning no 4th level headings. Header 4 levels #### is used for the *Supporting information* section

## Abstract and author summary

Abstract must be kept below 300 words.

Author Summary must be kept between 150 and 200 words and first person must be used.

For PLOS ONE, author summary won’t be included as it is not valid for submission.

## Supplementary information syntax

Use this markdown syntax to create the supplementary information block with a custom block of class .supp

::: {.supp}
## SI TYPE {#id}

First paragraph is a title sentence that will be bold. (required)

Optionnaly, add descriptive text after the title of the
item. No third paragraph is allowed
:::

They need to be referenced in text using nameref by using this syntax [id](.nameref) where ìd will be the id used on the header.

## References

Within Quarto, natbib will be used with plos2015.bst, which expect numeric style citation. Use brackets for references, e.g [@ref].

## Quarto features limitation

Some features are not working with this format in PDF:

* Callouts
* Code highlighting customization (border left, background color)

**Following content of this document is from the LaTeX template content to demo journal style.**

# Introduction

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# Materials and methods

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# Results

Results and Discussion can be combined.

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% Place tables after the first paragraph in which they are cited.

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### 3rd level heading

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2. diffuse free particles
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* First bulleted item.
* Second bulleted item.
* Third bulleted item.

# Discussion

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# Conclusion

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# Supporting information

## S1 Fig.

Bold the title sentence.

Add descriptive text after the title of the item (optional).

## S2 Fig.

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## S1 File.

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## S1 Video.

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## S1 Appendix.

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## S1 Table.

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# Acknowledgments

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Magwire, Florian AND Webster, Michael M. AND Bayer. 2011. “Successive Increases in the Resistance of Drosophila to Viral Infection Through a Transposon Insertion Followed by a Duplication.” *PLOS Genetics* 7 (10): 1–11. <https://doi.org/10.1371/journal.pgen.1002337>.

Ohno, S. 1970. *Evolution by Gene Duplication*. Springer-Verlag. <https://books.google.fr/books?id=sxUDAAAAMAAJ>.

Wolfe, Kenneth H, and Gavin C Conant. 2008. “Turning a Hobby into a Job: How Duplicated Genes Find New Functions.” *Nature Reviews. Genetics* 9 (12): 938–50.