

NEW TEMPLATE FILE FOR REVIEW PAPERS

For the first time in about 30 years, the journal staff has decided to make a new and specific template file. This file is intended to make the publication of review manuscripts more homogeneous. The journal staff is aware that there are several ways to present a review manuscript, and it is not claiming that this is the best format, just that it is a suitable format and allows the readers to have a reasonable understanding of how the authors conducted the review research. The new file was included in the compressed file that the authors downloaded to access the template and the cover letter, and its use will be mandatory for the review papers in the second semester of 2022.

Figure 1 shows the abstract section, with some new sample text highlighted in yellow. In addition, it has a tip with a link to the Abstract Maker Tool.

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Review paper

TITLE IN CAPITAL LETTERS (ARIAL, FONT SIZE 12, BOLD)

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ABSTRACT

TIP: Consider using the **Abstract Maker Tool** to create this section. The tool is available at <https://www.sjofsciences.com/Abstract-maker.php>

Background: Introduction and problem statement; identify the need for the research question. Rigorous research may include a hypothesis that is supported or refuted accordingly. What is the subject and relevance of the study? What does it intend to demonstrate or describe? This should be written succinctly; it might be eventually necessary to refer briefly to a context. What is the importance of the research? Why would a reader be interested in the larger work? The background (introduction) must clearly state the problem, the reason for doing the work, the hypotheses or theoretical predictions under consideration, and the essential background. **Aim:** the purpose of the work (objective); What is the aim of the study? The exact question(s) addressed by the article; the primary objective of the review. Begin with a clear, concise statement of the precise objective or question addressed in the manuscript. If more than 1 objective is addressed, the main objective should be indicated, and only key secondary objectives stated. If an a priori hypothesis was tested, it should be stated. Example: This study aimed to...or...The purpose of this study was to... **Methods:** **Name the databases that were used in the research. What were the mains terms used in the research?** Criteria for maintaining a manuscript in the research, criteria for exclusion. The basic design of the study; state the duration of follow-up, if any; explains the methods so others can replicate the study. How are the objectives achieved? Include the main method(s) used for the research; data collection - describes the process and points out potential omissions; What is the study method? Show the methodology used, the form of data, and sample collection. If it is a theoretical essay, what is the approach adopted. Provide sufficient details to the reader to understand how the study was performed. **Results and Discussion:** **How many results did the search terms return in the databases? How many results were maintained in the study? Discuss the main results. How many are in agreement?** The purpose of a Results and Discussion section is to present the key results of your research. What are the main results? The main outcomes of the study should be provided and quantified, including confidence intervals or P values. For comparative studies, confidence intervals should relate to the differences between groups. Results should be presented concisely. Point out the significance of the results, and place the results in the context of other work and theoretical backgrounds. It is important to plan this section carefully as it may contain a large amount of scientific data that needs to be presented clearly and concisely. **Conclusions:** Provide only conclusions directly supported by the results; avoid speculation and overgeneralization. Indicate whether additional study is required; Give equal emphasis to positive and negative findings of equal scientific merit; point out things that may have been overlooked, and suggests areas for further research. Summary of your research.

Keywords: Authors should provide appropriate and short keywords that encapsulate the principal topics of the paper. *The maximum number of keywords is 5* not including items appearing in the title. The keywords should be supplied, indicating the scope of the paper. Size 10, italic, justify, only the word Keywords must be bold, left alignment.

1. INTRODUCTION A review paper can be presented in a wide variety of formats. This template is by far not	perfect, but it was created to provide some directions of the minimal components that the authors should include in a review paper to make it relevant, clear, reliable, and verifiable.
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Figure 1. Abstract section with additional sample text.

The materials and methods section was simplified to just methods (section 2), as presented in Figure 2. Some sample text was introduced to assist the authors in the description of where the research

was conducted. In addition, a suggestion was introduced to present the inclusion and exclusion criteria for the manuscripts.

As the author, you are not forced to follow these orientations, but we are not obligated to publish manuscripts that are considered substandard. So please consider the quality of your research prior to any submission to this journal. This template model structure is mandatory from December 2022 and on.

The spacing between paragraphs should be 0pt, then 6pt, and single spacing between lines.

The body text can be written in Brazilian Portuguese.

The introduction must clearly state the problem, the reason for doing the work, the hypotheses or theoretical predictions under consideration, and the essential background. It should not contain equations or mathematical notation. A brief survey of the relevant literature so that a non-specialist reader could understand the significance of the presented results.

Page size: A4, margins: 2 cm on each side, line spacing: single, font type: Arial. Font size: 11. Please leave headers and footers unchanged since the editors should fill it.

In the text, references should be cited in the APA style (Author, year). Alternatively, the author's surname may be integrated into the text, followed by the year of publication in parentheses. Cite only essential resources, and avoid citing unpublished material. References to papers "in the press" must mean that the article has been accepted for publication. At the end of the paper, list references alphabetically by the last name of the first author. Please, list only those references that are cited in the text and prepare this list as an automatically numbered list. The word References with size 12, bold, capital letters, left alignment.

Examples: Grasslands are regarded as important foraging areas for many insectivores in Europe, such as birds (Vichery, 2001; Barnet *et al.*, 2004) and bats (Güttinger, 1997) or amphibians and reptiles (Langton and Burton, 1997). However, the knowledge of the overall arthropod availability in such grasslands is scarce since many studies about insect populations concentrate on extensive grasslands on poor, dry, or wet soils and include only a few species or systematic groups (Ellsen *et al.*, 1997; Gibson *et al.*, 1992; Hänsel and Plachter, 2004; Manhart *et al.*, 2004; Krüss and Tschamke, 2002a, b; Wingerden *et al.*, 1992; Sjödin, 2007a, b; Perner *et al.*, 2005).

Carbon dioxide produced by the

biodiesel combustion on the greenhouse effect (Könitz, 1999; Agarwal and Das, 2001). In addition, biodiesel has a relatively high flash point (150 °C), which makes it less volatile and safer to transport or handle than petroleum diesel (Krawczyk, 1996).

2. METHODS

Provide sufficient details to permit repetition of the experimental work. The technical description of methods should be given when such methods are new.

Within each main section, three levels of subheadings are available, and the titles must be bold, bold, and italic, italic, respectively. Font size: 10.

2.1. Methods

Present the main methodology used in this section. Remember to include the references to the methods.

(sample text) This research was conducted in the databases of Scopus, WoS, Google Patentes, and the library X....

The keywords or terms used in the search were "A", "b", "c".....

The logical operators used in the search were AND, OR, XOR... In addition, the search used the terms individually and in combination....

2.2.1. Method A...

Criteria to maintain results in the search....

Criteria to exclude the results....

2.2.2. Method B...

2.1. Subheadings

2.1.1 Subheadings

2.1.1.1 Subheadings

Examples:

2.1. Materials or Samples or Participants

Figure 2. New methods section

The section Results and Discussion have also received some sample text to make it easier for the authors to present the research results. The suggested tables in Figure 3 turn the expression of the results straightforward (section 3.1).

And section 3.2, the discussion section, can receive a great amount of content and the authors' review notes regarding the results.

2.2. Groups of Study or Study Design or.....

2.3. Methods or Experimental procedures or....

2.4. Data Collection

2.5. Statistical Analysis or Data Analysis

2.6. Ethics or Ethical Guidelines

2.7. Other items that the authors deem necessary and relevant

Mathematical expressions: In general minimize unusual typographical requirements, use solidus, built-up fractions. Avoid lengthy equations that will take several lines (possibly by defining terms of the equation in separate displays). Please use the Equation Editor of Word for drawing equations, if possible. Make subscripts and superscripts clear. Display only those mathematical expressions that must be numbered for later reference or that need to be emphasized throughout the paper. The numbers should be placed in parentheses to the right of Equation 1 e.g., (Eq. 1).

$$3x^3 + 2x^2 + 5x + 6$$

(Eq. 1)

3. RESULTS AND DISCUSSION

3.1. Results

Results should be presented concisely.

A table is a good way to present the results

Table 1. Example of a simple search result table

Term	Database	Results	Exclusions
"A"	Scopus	1	1
	DOAJ	5	3
	WoS	3	2
"B"	Scopus	6	0
	DOAJ	3	1
	WoS	5	2
"C"	Scopus	8	5
	DOAJ	2	0
	WoS	4	1

Table 2. Example of a combined search result table

Term	Database	Results	Exclusions
"A" AND	ScienceDirect	1	1
	DOAJ	5	3
"B"	WoS	3	2
	ScienceDirect	6	0
"A" AND "C"	DOAJ	3	1
	WoS	5	2
"B" AND "B"	ScienceDirect	8	5
	DOAJ	2	0
	WoS	4	1

3.2. Discussions

Discussion of the results. Point out the significance of the results and place the results in

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Figure 3. New sample text for the "results and discussion" sections.

This new template format will evolve in the next couple of months to provide a better publication experience for the authors. At the same time, it provides a more robust environment for the review papers. Suggestions and comments on this new template can be addressed to the journal e-mail at southbchem@gmail.com.

In addition, the journal staff agrees that this conceptual format of the publication is Open Access, and other journals can freely use it.

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