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DE BONI, Luis Alcides Brandini1\*; GOLDANI, Jhon; CASTILHOS, João3;

¹University name, Faculty/Institute name, Department name. Country. ORCID: xxxx-xxxx-xxxx-xxxx

²University name, Faculty/Institute name, Department name. Country. ORCID: xxxx-xxxx-xxxx-xxxx

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\*Corresponding author: email@institution.edu

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**Background:** The introduction should clearly state the research problem and identify the need for the research question. Rigorous research often includes a hypothesis that is either supported or refuted. The subject and relevance of the study must be succinctly described, demonstrating what the research intends to show or explain. The introduction should highlight the importance of the research and explain why readers would be interested in the larger work. This section must clearly outline the problem, the rationale for the study, the hypotheses or theoretical predictions under consideration, and any essential background information. **Aim:** The purpose of the study should be clearly stated, beginning with a concise statement of the specific objective or question addressed in the manuscript. The main objective should be indicated if multiple objectives are addressed, with only key secondary objectives mentioned. If an a priori hypothesis was tested, it should be stated. For example: "This study aimed to..." or "The purpose of this study was to..." **Methods:** The basic design of the study should be detailed, including the duration of follow-up if applicable. Methods should be described comprehensively to enable replication. Explain how the objectives are achieved, outlining the main research methods and data collection methods. Describe the process and highlight any potential omissions. Clarify the study methodology, data forms, and sample collection. For theoretical essays, state the adopted approach. Provide sufficient detail to help the reader understand how the study was performed. **Results:** The Results section should present the key findings of the research. Main outcomes 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, highlighting their significance and placing them in the context of other work and theoretical backgrounds. Plan this section carefully to present scientific data clearly and concisely. **Discussion:** The Discussion section allows authors to compare their main results and make inferences. It involves describing, analyzing, and interpreting the findings. This section is crucial as it contextualizes the results within the broader scientific literature and theoretical frameworks. **Conclusions:** Provide only conclusions that are directly supported by the results, avoiding speculation and overgeneralization. Indicate whether additional study is required and give equal emphasis to positive and negative findings of equal scientific merit. Highlight any overlooked aspects and suggest areas for further research. Summarize the research, including knowledge contributions, research limitations, and future research recommendations where appropriate**.**

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**1. Introduction (Arial, 12, bold, left alignment, capital letters)** (single space)

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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.

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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 the article has been accepted for publication. At the end of the paper, list references alphabetically by the first author's last name. 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 (Ellgsen *et al.*, 1997; Gibson *et al.*, 1992; Hänsel and Plachter, 2004; Manhart *et al.*, 2004; Kruess and Tscharntke, 2002a, b; Wingerden *et al*., 1992; Sjödin, 2007a, b; Perner *et al*., 2005).

Carbon dioxide produced by the combustion of biodiesel can be recycled by photosynthesis, thereby minimizing the impact of biodiesel combustion on the greenhouse effect (Körbitz, 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).

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**2. MATERIALS AND METHODS**

Provide sufficient details to permit repetition of the experimental work. A technical description of the methods should be given when they 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. Materials**

When possible, please describe the materials and equipment used in the research.

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

***2.2.1. Method A…***

Properly describe the methods used and how it was applied to the research.

***2.2.2. Method B…***

**2.1. Subheadings** (Arial, 10, bold, left alignment) (single space)

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Examples:

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**2.4. Data Collection**

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**2.7. Other items that the authors deem necessary and relevant**

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

(single space)

3x3 + 2x2 + 5x +6 (Eq. 1)

(single space)

**3. ResultS AND DISCUSSION**

**3.1. Results**

Results should be presented concisely.

**3.2. Discussions**

Discussion of the results. Point out the significance of the results and place the results in the context of other work and theoretical backgrounds.

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***Table 1*.** *Example of table*

|  |  |
| --- | --- |
| **Ranking (BOLD)** | **Country (BOLD)** |
| 1 | Saudi Arabia |
| 2 | Iran |
| 3 | Iraq |
| 8 | Venezuela |
| 15 | Brazil |

Reference: Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government. **International Oil and Natural Gas Reserves as of December 31, 2005**. (if necessary, the reference of the table or figure should be written like this example, below the table (or figure), Arial, font size 10, central alignment)

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All the information inside the table should be written as the table above. Arial, Font size: 11 for the headings (bold) and the data of the table. Also, the borders and style should follow the example above.

**4. Conclusions**

Summarize the data discussed in the Results and Discussion section, showing the relevance of the work and how different it is from other research. Also, point out the benefits and improvements that can be observed to develop new science standards that can change something in the related field.

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**5. DECLARATIONS**

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Please present all the study's possible limitations that might significantly affect the research outcome. If not applicable, write, "No limitations were known at the time of the study".

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**6.2. Informed Consent**

Write a statement of informed consent taken from the participants to publish this research work. The editor may request that a scanned copy be uploaded.

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References should be numbered consecutively as follows.

1. De Boni, L. A. B; Lima da Silva, I. N; Pereira, M. M. (2013). The production of biodiesel monitored with real-time laser spectroscopy: confirmation of the technique with proton nuclear magnetic resonance. *Southern Brazilian Journal of Chemistry*, 21, 19-30.
2. De Boni, L. A. B; Lima da Silva, I. N. (2011). Monitoring the transesterification reaction with laser spectroscopy. *Fuel Processing Technology*, 92, 1001-1006.
3. Cervelin, A.; De Boni, L. A. B. (2019). Construindo um espectrofotômetro com materiais reciclados. *Periódico Tchê Química*, 32(16), 1029-1033.

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***Figure 2.*** *Example of a figure that exceeds 8.5 cm (extrapolated from the measurements of the column), so it is placed at the end of the article. Source: the author*

***Table 2.*** *Example of a table that exceeds 8.5 cm (extrapolated the measurements of the two columns format), so it is placed at the end of the article. Source: the author*

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| 2 | Iran | Iran |
| 3 | Iraq | Iraq |
| 8 | Venezuela | Venezuela |
| 15 | Brazil | Brazil |

Reference: Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government. **International Oil and Natural Gas Reserves as of December 31, 2005**.