



5 scientific Writing Tips

Thifany K.S Souza,
master's student at UFPE

Writing a scientific article requires specific skills from the researcher, such as technical mastery and knowledge of writing norms. The quality of writing is crucial for impactful publications, but many individuals encounter challenges in this process. **For a highly impactful and well-structured scientific writing**, here are 5 important tips for your text:

1. Choose the journal: Before beginning to write an article, it's important to choose the appropriate journal to submit it to. Understanding the journal's scope, its target audience, and its guidelines is crucial to guide your writing. Additionally, checking word limits, formatting requirements, and abstract style is essential to avoid reworks and mistakes. You can analyze recent articles from the journal to understand its structure and characteristic elements.

2. Focus on the text: Nowadays, it's common for people to have reduced focus and productivity due to distractions in the work environment, such as social media. To avoid this, it's important to organize in a way that prioritizes concentration on writing. Techniques such as outlining are useful for organizing ideas and references. Taking care of physical and mental health is also essential, including healthy and balanced habits to maintain scientific focus and avoid procrastination.

3. Defining the writing process: Contrary to popular belief, the introduction of an article is not the first step; in fact, it's the last to be written. It's important to start writing by defining the research objectives, ensuring that the methodology and statistical analysis are aligned. Additionally, prior to drafting paragraphs, an analysis of the tables and figures to be used should align them with the defined objectives. After preparation, authors should discuss and interpret the results, as well as list the discussed ideas and conclusions of the writing.

4. Define an outline: The outline is essential for planning the central theme and ideas of each paragraph, in order to maintain focus and avoid redundancies. It is recommended to organize it according to the IMRD structure (Introduction, Methodology, Results, Discussion), after reviewing to ensure the research objectives. For a concise outline, one should define the central theme of each topic, outline the aspects of each paragraph, and identify specific objectives.

5. Maintain conciseness and clarity: Keep in mind the importance of conciseness and clarity in writing to ensure reader comprehension. Transitional elements are necessary to maintain coherence, avoiding repetitions and using varied vocabulary. Careful revision of the text and attention to technical terms are also essential practices for effective writing.

REFERENCE:

Silveira, E. A., Romeiro, A. M. S., & Noll, M. (2021). Um guia de escrita científica: como evitar erros comuns em um artigo científico. *Journal of Human Growth and Development*.

Activity of Development of Open Educational Resource of the discipline of Scientific Methodology and Experimental Research of the Academic Master's course in Biomedical Engineering of the Federal University of Pernambuco - PPGEB - UFPE (April 2024)