

Types of journal articles: Purpose, structure and length

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Summary

In 2013, the Journal “Periodical of Engineering and Natural Sciences” was launched. By now, the journal achieved a global spread of authorship and Editorial Board. In this period, we have been publishing mainly original research articles, reviews, and case studies. In addition to the current article types, we are going to start publishing Book reviews, Minireviews, Short Communication, Commentaries, Methodology/Method starting from the next Issue. To familiarize authorship with the different types of articles we publish, here below each of them is particularly described, including the paper structure and length.

Keywords: Research Article, Review Article, Short Communication, Editorial, Commentaries, Case Study, Methodology/Method, Article structure, Article length

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1. Original Research

Research article should have significant contributions to the scientific areas from the journal scope. It includes a Title, Abstract, Key Words, Introduction, Methods, Results with Discussion, Conclusion and Reference sections. Expected length of a research article is between 2000 to 5000 words.

2. Review Article

Review articles provide a critical evaluation of recently published material to create an understanding of the topic for the scientific community through summary, comparison, analysis, and identifying specific gaps for potential research. Reviews usually include about 100 citations of research articles.

The author supposed to structure the review paper including the following elements: Title, Abstract, Key Words, Introduction, Discussion, Conclusion, and References. Introduction supposed to include a brief description of the topic by providing a “big picture” with the necessary background information. Discussion is actually the body of the paper. It supposed to describe important results from recent literature and how the results shape current problem understanding, mention the research method applied, and present your finding in your own tables and figures by synthesizing the original data. A conclusion provides a brief summary of major findings and the significance of the results. The expected length of this paper is between 3000 to 7000 words.

Minireviews are brief and evaluate recent important developments in a specific field. They must be based on recently published literature within the scope of the journal. The expected length of this paper is up to 3000 words.

Book Reviews are not primarily a book summary, instead, they provide critical analysis of a book based on its merit and content. The expected length of this paper is up to 2000 words.

3. Short Communication

The papers communicate original significant current research findings with the scientific community. Since short communications contain results that are time-sensitive, these papers are prioritized in publication. The structure includes Title, Abstract, Key Words, Introduction, Methods, Results with Discussion, Conclusion, and Reference sections. The expected length of this paper is up to 2000 words.

4. Editorial

Editorial is an article giving opinions or perspectives on a certain topic/issue, written by in-house senior staff. This is a place where the journal staff can state own opinions/comments, inform the readership, interpret the significance of a new theory/idea, criticize certain situation by providing the solution to the problem, praise people and organizations or argue.

Editorials are very short and may include one or two tables and figures and a few references and they are heavily dependent on the author's experience and perspective rather than on original data. The author is free to structure the paper as he feels, and usually, it includes a short Title, Abstract, Key Words, Introduction, a few body paragraphs of Discussion, Conclusion, and References sections. The expected length of this paper is between 1000 to 1500 words. A regular submission cannot be considered an Editorial.

5. Commentaries

Commentaries are narrowly focused articles of contemporary interest seeking to provide an alternative or critical viewpoint on a key issue that is of interest to the scientific community. These papers are usually solicited by Editors and written by experts in the field or reviewers.

Commentaries are very short that include one or two tables and figures and a few references and heavily dependent on the author's experience and perspective rather than on original data. The author is free to structure the paper as he feels, and usually, it includes a short Title, Abstract, Key Words, Introduction, a few body paragraphs of Discussion, Conclusion, and References sections. The expected length of this paper is between 1000-2000 words. Commentaries are subject of peer-reviewed.

6. Case Study

A case study is a detailed investigation of a specific case such as process, system, group, institute, or community with the aim of identifying essential factors, relationships, and phenomena important for the scientific community. It usually relies on empirical observations and experiments within a real-world context. It includes a Title, Abstract, Key Words, Introduction, Methods, Results with Discussion and Conclusion sections. The expected length of a case study is between 1500 to 3000 words.

7. Methodology/Method

These papers report a new method or procedure applied to a field of study. The method or test procedure can be a new one or an improved version of the existing one. The goal of these papers is not to provide a solution, but to provide a theoretical foundation for understanding methods so-called "best practices" that can be applied to a particular case.

The structure of the paper includes the following elements: Title, Abstract, Key Words, Introduction, Discussion with theoretical formulation and solution, Verification and application of the method, Conclusion, and Reference. The expected length of this article is between 1000 to 3000 words.

Work consulted

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