

## CONTENTS BY SECTION OF THE ARTICLE

(what is worth paying attention to)

UDC

JEL Classification

ARTICLE TITLE

First name Last name, First name Last name

*Abstract (length – 1800–1900 characters)*

*Keywords*

### 1. Introduction

Section 1, “Introduction”, must substantiate the contemporary relevance of the chosen topic (or scientific problem). This justification should be grounded in answering two primary questions:

- *Why is it necessary to conduct scientific research on this topic in the current context?*
- *What practical applications or benefits can the results of this research provide?*

At the end of the section, you should summarise the arguments in favour of the topic's (scientific problem's) relevance.

A concluding statement for this part could be phrased as follows: *Therefore, research focusing on (topic) is highly relevant.*

Furthermore, this section must include a literature review. The purpose of the literature analysis is to identify unresolved aspects of the problem. Consequently:

1. It must be based on scientific periodicals (e.g., utilising resources such as Scopus, Web of Science, ScienceDirect, etc.). You should rely on articles published in academic journals over the last 5–10 years.

2. The core of this section should consist of a critical analysis of the sources, which involves addressing two main questions:

- *Which issues remain unresolved within the analysed sources?*
- *Why have these issues remained unresolved? (The author must indicate what they believe to be the objective or subjective reasons for this).*

3. The review should conclude by systematising the specific problems identified in each source, consolidating them into a single, clearly formulated unresolved problem. This formulation must correspond to the research aim. In other words, the aim must logically stem from the unresolved problem.

Finally, this section must establish the research aim and objectives.

The formulation of the research aim consists of two components: *scientific* and *practical*

The *scientific component* should focus on the expected outcomes and derive directly from the formulation of the unresolved problem, which was identified during the literature analysis and problem statement.

The *practical component* should focus on the practical expectations regarding the application of the obtained results (i.e., the practical output or implications of the work).

The objectives must answer the question: “*What exactly needs to be resolved to achieve the respective part of the aim?*” Thus, the logical progression of the objectives, from first to last, must clearly demonstrate that the aim will be achieved by fulfilling these specific objectives in this exact sequence.

None of the research objectives may duplicate the aim itself.

The formulation of the aim and objectives might look like this:

The aim of this research is to (*identify patterns in..., determine the impact of X on Y, uncover the mechanism of the... process, develop/refine a method, design a model..., etc.*). This will provide an opportunity to...

To achieve this aim, the following objectives were set:

- ...
- ...

## **2. Materials and Methods**

This section should commence with the definition of:

- the object of study;
- the primary research hypothesis;
- the assumptions adopted in the study;
- the simplifications applied within the work.

Subsequently, the text should focus exclusively on the methodology employed during the research, including equipment, software (if utilised), theoretical methods, experimental conditions, and related parameters. In essence, this section describes precisely how the results were obtained; however, no results should be presented here.

The objectives established in Section 1 are not to be addressed in Section 2, as their resolution and outcomes are to be presented exclusively within the sub-sections of Section 3.

### 3. Results and Discussion

A dedicated subsection must be assigned to each objective established in Section 1: Objective 1 corresponds to Subsection 3.1, Objective 2 to Subsection 3.2, and so forth.

Figures and tables representing the obtained results must include all key information necessary to understand the essence of the findings. This includes markers within figures to highlight specific areas of interest, clear captions, and essential annotations or comments.

This section should be structured according to the following framework:

- What accounts for the obtained results? The discussion must address this fundamental question for every result related to each objective, providing explicit references to the formulae, tables, and figures that illustrate these findings.

- Which specific features of the proposed solutions provide advantages, and what exactly constitutes the superiority of this research compared to existing analogues? Alternative solutions should be highlighted to provide a basis for comparison. However, this should not be presented as a detached literature review; instead, it must be framed as a direct comparison, for example: *"Unlike [Source], where..., this result (specify which) enables... This is achieved through..."*

- It must be stated how the obtained solutions resolve the problematic aspects identified in Section 1 (specifying the extent, the means, and the underlying reasoning).

- Specify any limitations of this study that must be taken into account during practical application or in subsequent theoretical research. This should include all factors that facilitate an understanding of the actual boundaries and conditions for applying the proposed solutions and their resulting data.

- Identify the specific disadvantages or drawbacks of the research.

- Outline the potential directions for the further development of this study and provide the rationale for these choices.

### 4. Conclusions

The number of conclusions must correspond to the number of objectives established in Section 1 and, consequently, to the number of subsections within Section 3. Thus, the conclusions should follow a consistent logical sequence: Objective 1 – Subsection 3.1 – Conclusion 1; Objective 2 – Subsection 3.2 – Conclusion 2, and so forth.

Each conclusion must be specific and must not duplicate the phrasing of its corresponding objective. For a conclusion to be considered substantive, it should include the following information:

- The outcome achieved in relation to the stated objective.

- The unique characteristics of the result that enable it to address the specific portion of the problem identified in the “Literature Review and Problem Statement”, highlighting the advantages it offers over existing findings.

- A concise explanation of the underlying reasons or mechanisms behind the result.
- Quantitative and/or comparative evaluations of the result.

## **Conflict of Interest**

It is necessary to state whether or not there is a conflict of interest. If there is a conflict of interest, this must be specified. If there is no conflict of interest, the following statement must be included:

The authors declare that they have no conflict of interest regarding this study, including any financial, personal, authorship or other conflicts that could influence the study and its results as presented in this article.

## **Funding**

The sources of funding must be stated. If no funding was received, please state:  
The study was conducted without financial support.

## **Data Availability**

Please select one of the options and indicate it in the text of the manuscript:

- The manuscript has associated data in a data repository.
- The manuscript contains data included as supplementary electronic material.
- Data will be provided upon reasonable request.
- Data cannot be provided for the reasons stated in the data availability statement.
- The manuscript has no associated data.

## **Use of Artificial Intelligence Tools**

Select one of the following options and include it in the manuscript text:

### **Option 1: If AI was not used**

*The authors confirm that they did not utilise artificial intelligence technologies in the creation of the submitted work.*

### **Option 2: If AI was utilised**

It must be declared in accordance with the **editorial policy** using the following framework:

- The AI model and version number;
- The specific location of use (identifying the relevant section of the article);
- A detailed description of the tasks performed using the AI tools;
- The methodology employed by the authors to verify the results provided by the AI tools;

- The extent to which the AI-generated results influenced the research conclusions.

### **Author Contributions**

Specify the individual contributions of each author in accordance with the CRediT (Contributor Roles Taxonomy) using the following format:

**First name Last name:** [contribution 1], [contribution 2], [contribution 3]; **First name Last name:** [contribution 1], [contribution 2], [contribution 3].

### **References** (at least 15 sources must be cited)

The percentage of self-citations must not exceed 30%. For example, if 10 references are cited, no more than 3 of these should refer to the authors' own previous works.

### Author information

**First name, Last name**

*Corresponding author*

Science degree, Job title

Department (Laboratory, etc.)

University/Work

Work address (university, etc.)

E-mail: ....

Phone: ....

ORCID: ....