

Faculty of Human and Social Sciences

Department of Psychology

Level: 3rd year LMD work and organization Psychology

Instructor: Ms. Saci Meriem

Module: English

Lesson n°4: Steps for Writing an Academic Scientific Article

1. Choose and Define the Research Topic

- Select a specific, focused, and researchable topic.
- Identify the key concepts and variables.
- Ensure the topic has academic relevance and available literature.

2. Conduct a Comprehensive Literature Review

- Search for academic sources: journal articles, books, reports.
- Summarize existing findings, theories, and gaps.
- Identify what has been done and what still needs investigation.
- Build a conceptual framework if needed.

3. Formulate the Research Problem and Questions

- Clearly state the issue the article addresses.
- Develop research questions or hypotheses.
- Ensure they are measurable, specific, and aligned with the topic.

4. Determine the Research Methodology

- Choose the research design (qualitative, quantitative, or mixed).
- Select data collection tools (interviews, surveys, experiments, etc.).
- Define the population and sampling method.
- Establish the procedures for data analysis.

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5. Collect the Data

- Apply the chosen instruments accurately.
- Ensure ethical considerations (consent, confidentiality, respect).
- Record data systematically to avoid errors or bias.

6. Analyze the Data

- For quantitative studies: use statistical tests, charts, tables.
- For qualitative studies: code data, identify themes, and interpret meanings.
- Present results clearly and logically.
- Avoid personal bias.

Write the Scientific Article Structure

1. Title

- Concise, clear, and reflective of the main topic.

2. Abstract

- A brief summary (150–250 words) including purpose, methods, results, and conclusion.

3. Introduction

- Present the topic, background, and research problem.
- Explain the importance and objectives of the study.

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4. Literature Review

- Summarize previous studies and theoretical foundations.
- Highlight gaps that your article addresses.

5. Methodology

- Describe the research design, sampling, tools, and procedures.
- Justify your methodological choices.

6. Results / Findings

- Present data clearly using figures or tables.
- Provide objective analysis.

7. Discussion

- Interpret results.
- Compare with previous research.
- Explain implications.

8. Conclusion

- Summarize key findings.
- Provide recommendations and future research directions.

9. References

- Cite all sources using a consistent academic style (APA, MLA, Chicago...).

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10. Revise and Edit the Article

- Check clarity, coherence, grammar, and academic tone.
- Ensure logical flow between sections.
- Verify accuracy of citations and formatting.

11. Check Plagiarism

- Ensure originality using plagiarism detection tools.
- Paraphrase and cite correctly to avoid academic misconduct.

12. Prepare the Final Version and Submit

- Follow the journal or institution guidelines.
- Include cover page, acknowledgments, and appendices if required.
- Submit for peer review or grading.