



MJ&M
Biolabs

WRITING AND PUBLISHING SKILLS

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INTRODUCTION

In scientific medical research:



Writing is the process of expressing ideas and findings.

Publishing is sharing these findings with others through journals.

Both are crucial for advancing knowledge and improving healthcare practices

WRITING SKILLS



RESEARCH PLANNING

Literature Review

- Conduct thorough literature reviews to understand existing research.

Research Questions

- Formulate clear, concise, and significant research questions.

Methodology

- Design robust methodologies suitable for the research questions.



UNDERSTANDING THE AUDIENCE

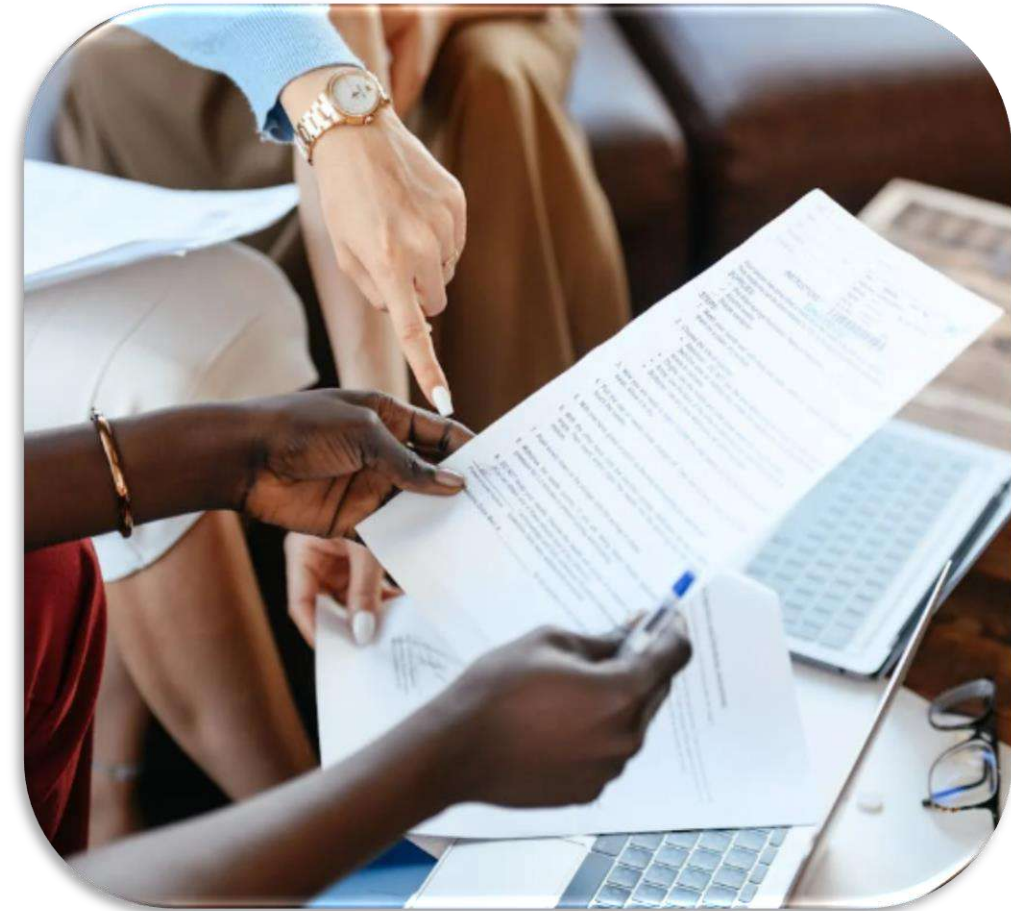
Target Readership

- Identify the audience (researchers, practitioners, policymakers).

Journal Scope

- Align the content with the journal's focus and scope.

Understanding the Structure of a Scientific Paper



Title	<ul style="list-style-type: none">• Should be concise, specific, and informative.
Abstract	<ul style="list-style-type: none">• A brief summary of the research, including objectives, methods, results, and conclusions.
Introduction	<ul style="list-style-type: none">• Provides background information, states the research question, and explains the study's significance.
Methods	<ul style="list-style-type: none">• Describes the research design, procedures, and analytical techniques used.
Results	<ul style="list-style-type: none">• Presents the findings of the study with appropriate use of tables and figures.
Discussion	<ul style="list-style-type: none">• Interprets the results, discusses their implications, and suggests future research directions.
Conclusion	<ul style="list-style-type: none">• Summarizes the main findings and their importance.



WRITING SKILLS

Clarity and Precision

- Use clear, concise, and straightforward language.
- Avoid jargon and complex sentences.
- Ensure accuracy in data presentation and interpretation.

Citations and References

- Properly cite all sources of information.
- Use a consistent reference style as required by the journal.
- Avoid plagiarism by paraphrasing correctly and citing original ideas.

Ethical Writing

- Maintain integrity and honesty in reporting research.
- Disclose any conflicts of interest.
- Adhere to guidelines on authorship and contributions.

Grammar and Style

- Understand and apply fundamental grammar rules to ensure correctness.
- Maintain consistency in style, including tense, voice, and formatting.

Critical Thinking and Analysis

- Develop the ability to critically evaluate evidence, arguments, and theories.
- Present logical arguments and support them with evidence and reasoning.

Audience Awareness

- Tailor writing to the intended audience's knowledge level, interests, and expectations.
- Use strategies to engage readers, such as storytelling, examples, and questions.



DATA PRESENTATION

Tables and Figures

Use tables and figures to present data effectively.

Legends and Captions

Provide clear and informative legends and captions.

Statistical Analysis

Ensure statistical analyses are appropriate and well-explained.



ETHICAL CONSIDERATION

Authorship

Assign authorship based on significant contributions.

Conflict of Interest

Declare any potential conflicts of interest.

Ethical Approval

Obtain necessary ethical approvals for research involving humans or animals.

PUBLISHING SKILLS



MANUSCRIPT PREPARATION

Formatting

- Follow the journal's formatting guidelines for manuscript submission.

Proofreading

- Proofread the manuscript for grammatical and typographical errors.

Peer Review Process

- Understand the peer review process and be prepared for revisions.



SUBMISSION PROCESS

Cover Letter

- Write a compelling cover letter addressing the editor.

Submission Systems

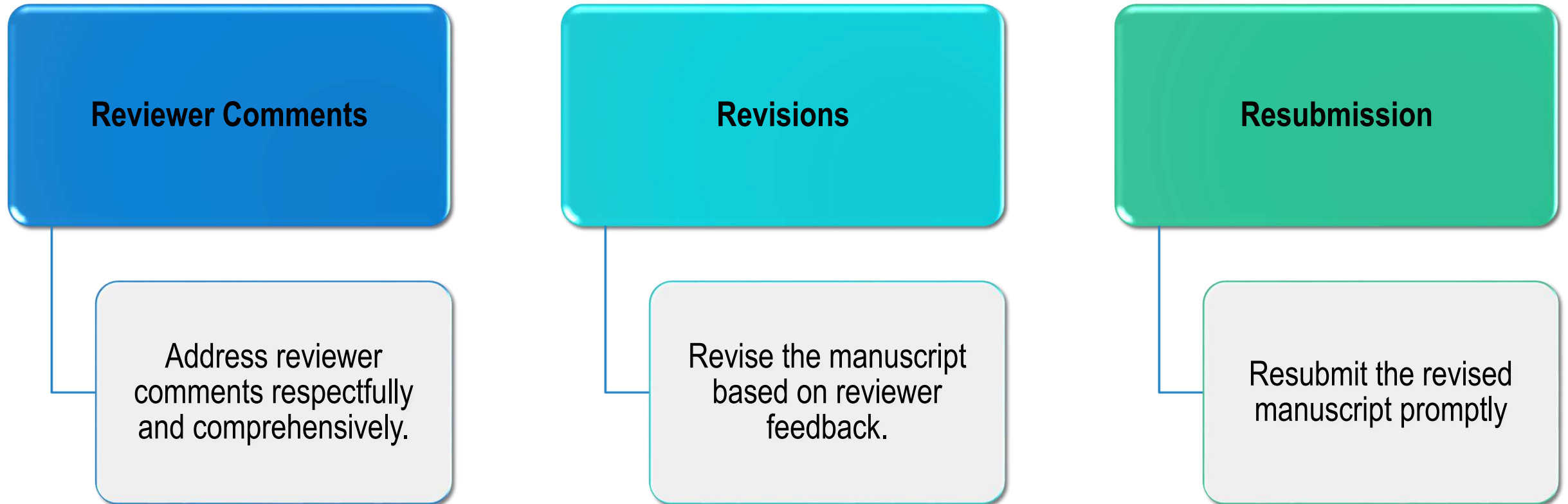
- Use online submission systems correctly

Submission Guidelines

- Follow the journal's specific submission guidelines.



RESPONDING TO REVIEWS





POST-PUBLICATION

Promotion

- Promote the published article through conferences, social media, and academic networks.

Monitoring Impact

- Track citations and the impact of the published research.

Engagement

- Engage with the research community and respond to any post-publication queries



CONCLUSION

Key Points for Effective Scientific Writing and Publishing

Organization: Organize ideas logically and coherently.

Precision: Be precise in language and data presentation.

Ethical Integrity: Maintain high ethical standards in research and writing.

Engagement: Actively engage with the research community throughout the publication process.

THANK YOU!

At MJ & M BIOLABS, we pride in offering essential training for authors, reviewers, editors and other key stakeholders in the field or research



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