

How to Write a Scientific Research Paper

* Dr. Sriram Chandramohan

* Lecturer, Department of Public Health, College of Health Sciences, Saudi Electronic University, Abha Branch, Kingdom of Saudi Arabia. Email Address: drsrirammd@gmail.com.

Abstract:

Scientific experiments are demanding, exciting endeavors, but, to have an impact, results must be communicated to others. A research paper is a method of communication, an attempt to tell others about some specific data that you have gathered and what you think those data mean in the context of your research. Scientific papers must be written clearly and concisely so that readers with backgrounds similar to yours can understand easily what you have done and how you have done it should they want to repeat or extend your work. This Paper provides a proper guideline to write a scientific paper for young researchers and that allow them to prepare a well-structured and comprehensive manuscript for a publication submission.

Key words: Scientific Paper; Research Paper; Manuscript Writing

Introduction:

The dissemination of research results and findings is an integral part of the research process and the career in academia. Researchers write to keep records of their work for themselves, but more importantly for readers and peers who are expecting a standard form, language and style when reading research papers. ^[1]Scientific paper has a required structure and style. However, a research article is not only a technically rigid document, but also a subjective intellectual product. Therefore, it requires good skills in both structuring and phrasing. These skills are acquired through experience, and can also

be taught. ^[2] Ironically, most graduate programmes in medicine and health sciences do not offer hands-on training in writing and publishing in scientific journals. Therefore, most authors learn the art and science of scientific writing the hard way; though there are papers that provide step-by-step guide to writing. ^[3]

What constitute a good paper- worthy of publication? There are no straight answers. Some define a good paper as a clear, coherent, focussed, well-argued document that uses unambiguous language. ^[4]

The main objective of this paper is to serve early-stage researchers with handy introduction to the structural components of scientific papers and the processes that lead to their publication.

Structure and Content of a Manuscript

A manuscript is typically composed of a number of sections:

- Abstract;
- Key words;
- Introduction;
- Method;
- Results;
- Discussion;
- Conclusions;
- Acknowledgement and
- References

How To Write A Scientific Research Paper

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