

Writing Scientific Research Articles: Strategy and Steps, 2nd Edition

by Margaret Cargill and Patrick O'Connor

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Submitting a manuscript to an international journal is one of the most important ways of contributing to scientific research. Scientists publish their research to leave a record of their research, receive due recognition for their results and research, receive expert feedback and validate their research. However, there are difficulties in publishing, in addition to language-related barriers, getting published is a skill.

Writing Scientific Research Articles: Strategy and Steps focuses on writing journal articles, other types of scientific articles, and how to apply the principles to writing grant proposals. The book presents strategies for writing effective scientific papers in an efficient way. The audience is native and non-native English speakers, research students and those who teach them paper-writing skills, and early career researchers.

The authors are Margaret Cargill with a background as a linguist and research communications educator, and Patrick O'Connor, a research scientist and educator. First edition published in 2009, the revised second edition includes analysis of the scientific article genre to provide clear processes for writing each section of a manuscript, presents them as learning steps and uses practical exercises to develop writing skills.

Here are some points mentioned emphasized in the book: The title is important for attracting the attention of the target readers effectively. Therefore, it must provide as much relevant information as possible, but be concise and keywords

should be used prominently.

The title should be chosen as a noun phrase, statement or question strategically, and ambiguity should be avoided in noun phrases. The abstract should typically include some background information, principal activity/purpose, results, conclusion and recommendations. When writing introduction and discussion, it is important not to repeat information unnecessarily. The results section should highlight the important findings, locate the table(s) and figure(s) where the results can be found, and may also comment on the results. For review articles, the authors describe three important features: audience-responsive introduction, up-to-date coverage of the relevant work, and synthesis and conclusions that add to the previous understanding of the field.

Writing Scientific Research Articles: Strategy and Steps is an excellent guide and has much to offer researchers writing journal manuscripts. Clear concise and helpful, this book is one of the best guides published for writing skills, with an easy-to-read step-by-step structure, and valuable content.

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