

Chapter 17

Scientific Publication Guide for Non–Native English– Speaking Researchers

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ABSTRACT

Scientific publication is an essential aspect of technical, medical, social, economic, and other progress. New advances in human knowledge in any field are communicated to the rest of the world through publications. Scientific research is universal, so it is essential that this communicated knowledge is accurate, valid, reproducible, and practically useful. Researchers and scientists dream of publishing their work in high impact journals. To make these dreams come true, it is essential to learn, follow, and know the basic principles of research methodology and scientific publication. In this chapter book on the basis of the author's experiences and knowledge, the author presents a personal opinion on how to publish a chapter book in a high impact journal. The author talks about how to carry out good research, the design of the manuscript preparation, the respect of the editorial policy of the journal, the likely results, and the reasons for failure or success. The author provides the competitive weapons of publication in the form of advice, recommendations, and explanations, in order to achieve scientific success.

DOI: 10.4018/978-1-6684-6859-3.ch017

INTRODUCTION

Impact factor journals are the best journals in the world. They are the guardians of scientific advancement. For this reason these journals aim to publish the best research with valid conclusions and solid contributions that will stand up to scrutiny. To enhance their scientific positions, impact journals always seek to publish a product that has a positive impact on science and society (Emad & El-Omar, 2014).

Competition is always present even in the field of scientific research. Knowing something means being more competitive than others. Today, knowledge management has an important interest in this area.

Knowledge is one of the most important strategic resources for the researcher and is valuable and inimitable. Replacing existing knowledge, implicit or explicit, which may be erroneous or insufficient, requires the acquisition of new knowledge from internal and external sources. This knowledge is useful for solving problems and barriers to scientific publications.

Knowledge management involves the identification and valorisation of the collective knowledge of researchers. It is about getting the right knowledge to the right people at the right time and enabling researchers to share and implement information to improve their scientific positions and add to scientific research. However, the most valuable knowledge lies in the human brain.

Knowledge sharing and knowledge management are the strategic elements that enable researchers to develop a competitive advantage, to exchange scientific knowledge and experience with each other.

The objective of this chapter is to help researchers produce a manuscript of high scientific quality in order to meet the requirements of the impacted journals and succeed in their publications. The scientific quality, experience, writing capacity ... vary from one researcher to another. Even the most experienced scientists sometimes forget the requirements of scientific research as well as the requirements of the journals, which generally results in a lower level of their productions. In this chapter book, I present the essential requirements and how to manage researchers' knowledge in order to achieve a solid publication with high impact (Balibar, 2014).

DESIGN OF THE MANUSCRIPT PREPARATION

The research method generally follows an orderly path from observation through a research problem, a research question, a hypothesis, a research objective and a method of resolution to the discussion of the scientific findings.

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