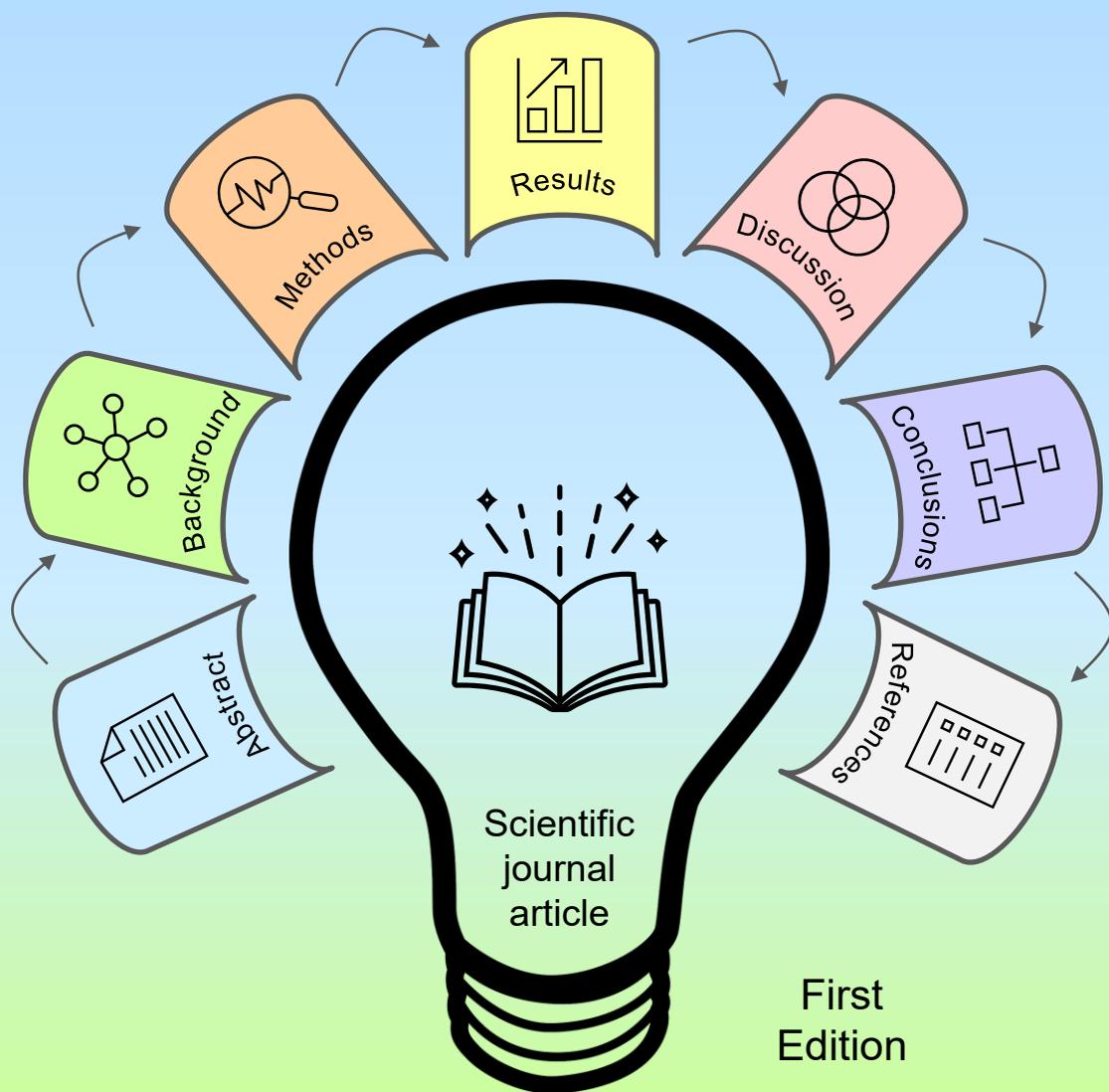


# COMPASS GUIDE: How to Write Scientific Journal Articles



**Dr Sandra Mandic, PhD, PMP**  
AGILE Research Ltd.



**Compass Guide  
Research Training**  
By AGILE Research Ltd.

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*To my Dream Team*  
*– my husband Philip McKague and children Adriana and Oliver McKague –*  
*for their love, support and inspiration*  
*and for giving me the space and time to keep chasing my dreams...*

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## What You Will Find in This Compass Guide Book

This Compass Guide book takes you on a journey through the steps of writing scientific journal articles.

When reading and assessing the quality of scientific journal articles, researchers look not only for strong research methodology (which is essential), but also for quality and completeness of reporting and compliance with the academic writing standards.

To write a high-quality scientific journal article, you should consider all these aspects. This book offers comprehensive guidance to help you and your team accomplish this.

This book begins with a brief overview of the research process and the fundamentals of writing scientific journal articles.

In the subsequent sections, the book provides extensive guidance for navigating the article planning, writing, submission and publication steps.

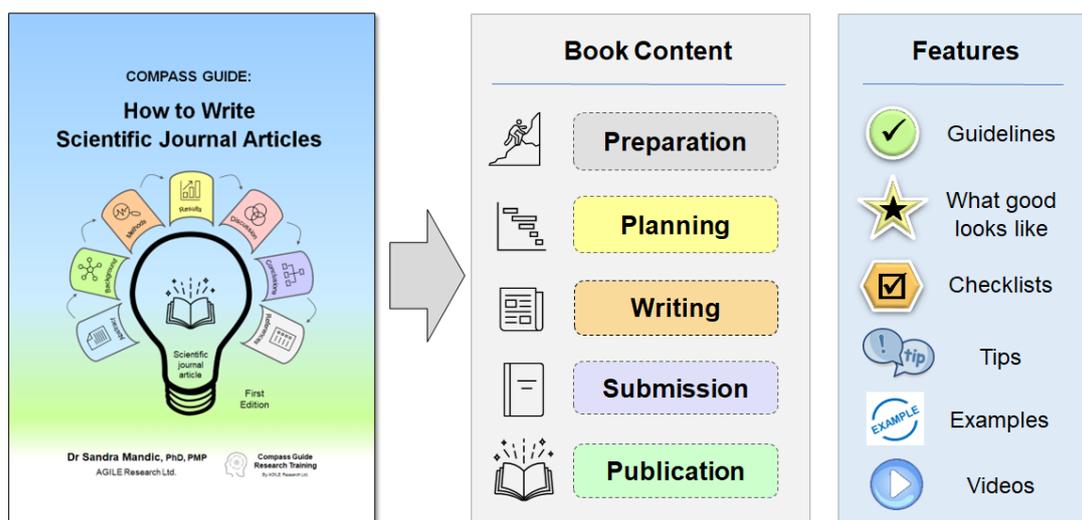
In addition to providing guidelines, this book also contains checklists, tips, examples, links

to several short videos and information on what good looks like. These features have been designed to help you integrate the information presented in this guide and apply this knowledge when writing your articles.

Scholarly academic research has a variety of types of scientific journal articles. Guidelines presented in this book refer primarily to writing scientific journal articles which report original research findings.

Some of the guidelines presented in this book are also applicable to other common types of scientific journal articles, including review articles and study protocol articles.

This book is part of the [Compass Guide Research Training](#) resources created by Dr Sandra Mandic. The book complements other published Compass Guide books which provide guidance on how to navigate the research process and how to successfully plan and manage research projects (see [page 4](#) for details).



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## Content Overview

The infographic below summarises the content of this book.

The first section, [Phase 1: Preparation](#), provides a brief overview of the research process and the steps which need to be completed prior to writing scientific journal articles. Detailed guidance for planning and implementation of research projects is provided in other Compass Guide books (see [page 4](#)). This section also provides an overview of fundamentals for writing scientific journal articles, including the common article structure and characteristics of well-written articles.

The next section, [Phase 2: Planning](#), summarises the steps involved in the planning phase of writing scientific journal articles: knowing the standards of your scientific discipline, organising the article writing team and planning the article writing process.

The following section, [Phase 3: Writing](#), presents guidelines, recommendations, tips and examples to assist you in preparing each

section of your article. This sections also provides recommendations for writing style and tips for shaping your article through revisions.

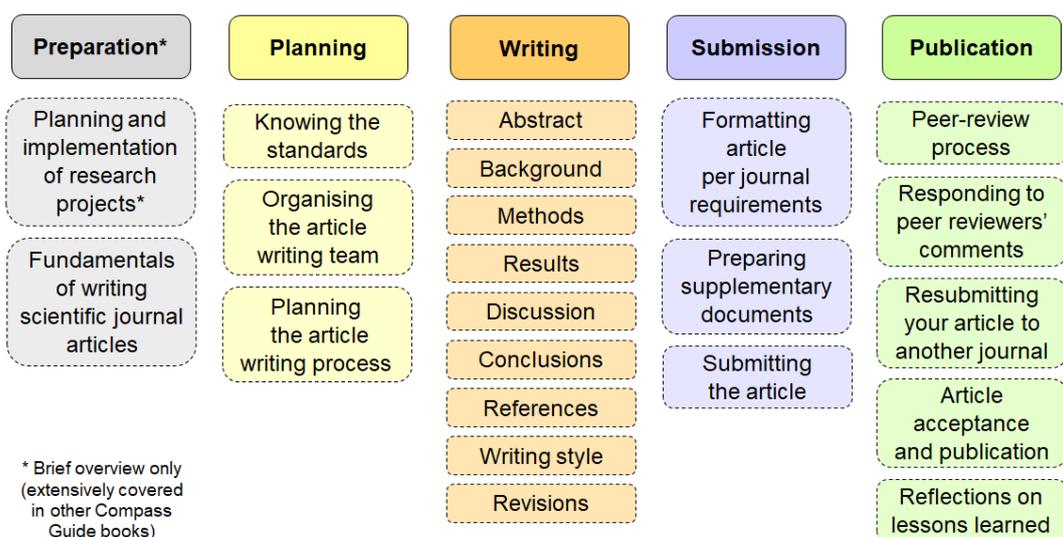
The subsequent section, [Phase 4: Submission](#), offers an overview of the process of preparing your article for submission to a scientific journal. This section provides guidance for formatting your article to meet a journal’s requirements, preparing supplementary documents and submitting an article via the journal’s portal.

The final section, [Phase 5: Publication](#), outlines the peer-review process and provides recommendations for responding to peer reviewers’ comments. This section also provides tips for resubmitting an article to another journal and discusses pre-publication tasks for accepted articles.

The book ends with recommendations to reflect on lessons learned to keep improving your skills for writing scientific journal articles.

Let’s begin...

### Book: “Compass Guide: How to Write Scientific Journal Articles”



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