Contents

Preface to the second edition ix
Preface to the first edition xi

Section 1: A framework for success 1

1 How the book is organized, and why 3
  1.1 Getting started with writing for international publication 3
  1.2 Publishing in the international literature 4
  1.3 What do you need to know to select your target journal? 6
  1.4 Aims of this book 7
  1.5 How the book is structured 8

2 Research article structures 11
  2.1 Conventional article structures: AIMRaD (Abstract, Introduction, Materials and methods, Results, and Discussion) and its variations 11

3 Reviewers’ criteria for evaluating manuscripts 17
  3.1 Titles as content signposts 18

Section 2: When and how to write each article section 21

4 Results as a “story”: the key driver of an article 23

5 Results: turning data into knowledge 25
  5.1 Figure, table, or text? 26
  5.2 Designing figures 26
  5.3 Designing tables 29
  5.4 Figure legends and table titles 31

6 Writing about results 33
  6.1 Structure of Results sections 33
  6.2 Functions of Results sentences 34
  6.3 Verb tense in Results sections 34
Contents

7 The Methods section
7.1 Purpose of the Methods section
7.2 Organizing Methods sections
7.3 Use of passive and active verbs

8 The Introduction
8.1 Argument stages towards a compelling Introduction
8.2 Stage 1: Locating your project within an existing field of scientific research
8.3 Using references in Stages 2 and 3
8.4 Avoiding plagiarism when using others’ work
8.5 Indicating the gap or research niche
8.6 Stage 4: The statement of purpose or main activity
8.7 Stages 5 and 6: Highlighting benefit and mapping the article
8.8 Suggested process for drafting an Introduction
8.9 Editing for logical flow

9 The Discussion section
9.1 Important structural issues
9.2 Information elements to highlight the key messages
9.3 Negotiating the strength of claims

10 The title
10.1 Strategy 1: Provide as much relevant information as possible, but be concise
10.2 Strategy 2: Use keywords prominently
10.3 Strategy 3: Choose strategically: noun phrase, statement, or question?
10.4 Strategy 4: Avoid ambiguity in noun phrases

11 The Abstract
11.1 Why Abstracts are so important
11.2 Selecting additional keywords
11.3 Abstracts: typical information elements

12 Writing review articles
12.1 What editors want to publish
12.2 The “take-home-message” of a review
12.3 The structure of review articles
12.4 Visual elements in review articles: tables, figures, and boxes
12.5 Checklist for review article manuscripts
12.6 Submission and revision of review articles

Section 3: Getting your manuscript published

13 Submitting a manuscript
13.1 Five practices of successful authors
13.2 Understanding the peer-review process
13.3 Understanding the editor’s role
13.4 The contributor’s covering letter
13.5 Understanding the reviewer’s role
13.6 Understanding the editor’s role (continued)
Contents

14 How to respond to editors and reviewers 99
  14.1 Rules of thumb 99
  14.2 How to deal with manuscript rejection 99
  14.3 How to deal with "conditional acceptance" or "revise and resubmit" 101

15 A process for preparing a manuscript 109
  15.1 Initial preparation steps 109
  15.2 Editing procedures 110
  15.3 A pre-review checklist 113

Section 4: Developing your writing and publication skills further 115

16 Skill-development strategies for groups and individuals 117
  16.1 Journal clubs 117
  16.2 Writing groups 118
  16.3 Selecting feedback strategies for different purposes 118
  16.4 Becoming a reviewer 120
  16.5 Training for responding to reviewers 121

17 Developing discipline-specific English skills 123
  17.1 Introduction 123
  17.2 Error types and editor expectations of language use 123
  17.3 Strategic (and acceptable!) language re-use: sentence templates 125
  17.4 More about noun phrases 128
  17.5 Concordancing: a tool for developing your discipline-specific English 129
  17.6 Using the English articles (a/an, the) appropriately in science writing 133
  17.7 Using "which" and "that" 136

18 Writing funding proposals 139
  18.1 Introduction 139
  18.2 A process for preparing and submitting a funding proposal 140
  18.3 Easy mistakes to make 143

Section 5: Provided example articles 145

19 PEA1: Kaiser et al. (2003) 147

20 PEA2: Britton-Simmons and Abbott (2008) 159

21 PEA3: Ganci et al. (2012) 171

Answer pages 185
Appendix: Measures of journal impact and quality 213
  A.1 Journal impact 213
  A.2 Using indices of journal quality 214
References 217
Index 219