Contents

Foreword by Robert Campbell and Sally Morris ix
Preface xi

Chapter 1: Introduction 1
What should peer review do? 2
What does peer review assume? 4
What is this book trying to achieve? 4

Chapter 2: The peer-review process – how to get going 9
The basic process 9
The people involved in running the peer-review process 10
Office organization 11
Choice of system and procedures 14
  Record keeping 16
  Systems available 20

Chapter 3: Manuscript submission and initial checks on completeness and suitability 25
Submission guidance to authors 26
  Journal scope and editorial policy 26
  Manuscript presentation 28
  Manuscript submission 31
Checking and logging of submitted manuscripts 32
Transfer to editor 34
Initial assessment of suitability and rejection without external review 36
Manuscripts with language problems 38

Chapter 4: The full review process 41
Identifying and selecting appropriate reviewers 43
  Reviewer information 44
  How to go about identifying and selecting reviewers 48
Finding reviewers 53
  To invite or not? 53
  Inviting reviewers 54
  Responses to invitations to review 56
Contents

Getting the manuscript and associated material to the reviewers 60
  Information reviewers will require 61
  Associated material needed by reviewers 63
Monitoring review progress 66
  Reminding and chasing reviewers 67
  Problems during review 70
  Reviewers not returning reviews 71
Receiving and checking of returned reviews 73
  Checking of reviews 74
  The ethics of amending reviewer reports for authors 77
  The 'ideal' report 78
Back-to-back manuscripts 82
Dealing with enquiries on manuscript status 84

Chapter 5: The decision-making process for reviewed manuscripts 87
  The organizational structure for decision making 87
  The decision-making process 89
    Divided opinions from reviewers 91
    The decisions that can be made 94
  Checks to be made before communicating decisions to authors 99
  Communicating the decision to the authors 102
  Rebuttals and appeals from authors 103
  Dealing with revisions 104
  Dealing with resubmissions 107
    Problems with resubmissions 109
  Acceptance 110
  Decision making to consistent standards and the problem of
    availability of space 112
  Special considerations in decision making: dual-use research
    and the possible misuse of information 114

Chapter 6: Moving to online submission and review 119
  How do you choose an online system? 120
  How to prepare to move to online working 122
    Evaluation of current workflow and responsibilities 123
    Specification design for the journal 125
    Questions and text options on the site 125
    Preparation of editorial correspondence for the online site 126
    Health and safety issues 127
    Training and support 128
    Data transfer 130
  The launch and transition period 130
  What to expect after going live online 132
    Impact on submission numbers 132
    Impact on the quality of submissions 132
Contents

Conflicts of interest – what they are and how to deal with them 164
  What are conflicts of interest? 164
  How should conflicts of interest be handled? 167
Moral dilemmas 169
  Political or human rights issues 169
  Authors accused of criminal offences 170
  Refusals by publishers to publish articles 170
  Inability to complete review of a manuscript 170

Chapter 9: Misconduct in scientific research and publishing –
what it is and how to deal with it 173
  What types of misconduct can occur? 174
    Author misconduct 174
    Reviewer misconduct 182
    Editor misconduct 183
  How should cases of alleged or suspected misconduct be handled? 184
  Where can you turn for help? 187
    The publisher 188
    Professional bodies 188
    Scholarly publishing organizations 188
    The Committee on Publication Ethics (COPE) 188
    The Office of Research Integrity (ORI) 189
    International Committees for Scientific Misconduct 189
    Funding agencies 190
  What sanctions can be imposed as a penalty for misconduct? 190
    Authors found guilty of misconduct 190
    Reviewers found guilty of misconduct 192
    Editors found guilty of misconduct 192
  Correcting the literature 192
    Notification of an error 193
    Expression of concern 194
    Retraction of an article 194
    Removal of an article 196
    Replacement of an article 196
  Dubious or fraudulent data remaining in the literature 197
  The future 197

Appendices
  Appendix I The Golden Rules and the Peer-Review Good Practice Checklist 201
  Appendix II Examples of checklists, forms, guidance for reviewers and
    editorial letters 213
  Appendix III Useful websites 269
  Appendix IV Alternative models of peer review 275

Index 283