

1 **Instructions for contributors to**

2 **ADVANCES IN PHOTOSYNTHESIS AND RESPIRATION**

3 ***Including Bioenergy and Related Processes***

4 ***(Springer, Dordrecht)***

5

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13

14 **Presentation and Preparation of the Manuscript**

15 Manuscripts should be written in English. *American spellings will be used.* The length
16 and format of the text, including references, tables and figures, should conform to the
17 guidelines provided by your editor and under no condition exceed 50 double spaced
18 typewritten pages. Please submit digital file versions of the text (as a word file) and
19 figures as attachment to e-mails to your editor. Your editor will announce the submission
20 deadlines for your Volume. We urge authors to use the capabilities of word processors to
21 make preparation more efficient **but please turn off linking so that your manuscript**
22 **can be edited without jumping to web sites or other locations in the text.**

23 To assure a continuity of style throughout the Series, we would like your chapter to be
24 written in the following format.

25 **Title page (page 1)**

- 26 • The title should be brief but informative.
27 • A subtitle may be used to supplement the title.
28 • The Author's full name (if more than one, use 'and' before the last name and
29 indicate to whom correspondence should be addressed, otherwise the proofs will
30 be sent to the first author listed).
31 • Affiliations(s)/Address (es) should be complete.

- Provide your FAX number and your E-mail address.
- Provide a running title for your chapter.

34

35 **Table of Content (page 2)**

- All major headings and subheadings should be listed. The summary, acknowledgments, and reference sections should be included in the Table of Content (TOC), but not numbered.
- Avoid using abbreviations in the headings and subheadings, but if you must, give full form first time you use it followed by the abbreviation in parenthesis. For example: Photosystem II (PS II).

42 **Summary/Abbreviations (page 3)**

- A summary (approximately 300 words) should be provided; **it should be in a style that would attract the reader to the chapter.** It should provide the highlights, the excitement and the important concepts in a condensed fashion.
- Abbreviations should be arranged alphabetically in a single column for ease in correcting and typesetting; do not use any punctuation, other than a tab, between the abbreviation and its full form. Examples:
 - PEP [tab] phosphoenolpyruvate
 - PS II [tab] photosystem II
 - RCs [tab] reaction centers

52 **Main text**

53 The relative importance of headings and subheadings should be clear. The level of
54 headings and subheadings should be as follows:

55 I. Introduction

56 A. Kinetics

57 1. Centers

58 a. Formation of Field

59 It is not necessary to indent the various headings and subheadings. All major words are
60 capitalized. The approximate location of figures and tables should be indicated in the
61 body of a digital file.

62 New paragraphs should be indicated by clear indentation or an extra line space.

The use of footnotes should be avoided. However, if essential, they should be typed (double-spaced) on the appropriate page, but clearly separated from the text with a line above them. Most word processing programs will do this acceptably.

Editors should decide on, and inform authors about the last section. Typically a "Conclusions" or "Outlook" section is requested by editors of all authors and should be consistent within a volume. This adds to the usefulness of the book.

Acknowledgment

The series editors believe that it is important to acknowledge all help received and all grants that support the work of the authors. They recommend the use of full names of agencies, not acronyms.

References

- If possible, use the Endnote style file supplied by the editors (AIPR Springer.ens).
- In-text references are referred to by author name and year of publication enclosed in parentheses, e.g., (Smith 1991), unless they are part of a sentence. For example, "Smith (1991) showed that ..." When you refer to a string of references, they should follow **chronological** order except when the same authors have several papers. For example: Alison and Green 1977, 1981; Thornber et al. 1978. If there are two papers by the same authors in the same year, "a" and "b" should be used. Within a particular year, use alphabetical order: "Blankenship 2005; Govindjee, 2005". **If there are several authors with the same last name, their initials must be used in the text: M.C.W. Evans (1823) and D.N. Evans (2004).**
- Citations of personal communications and unpublished data should be avoided unless absolutely necessary. Such citations should appear only in the text as: (D. Wilman, personal communication, year), (C.S. Andrew, unpublished, year), and not in the reference list [abbreviations must be used for first names on all such citations]. Further, do not use "et al." for such citation; instead list all the names (C.S. Andrew, M.Q. Srivastava and R.S. Lin, unpublished, year).
- Abbreviate titles of periodicals according to the style of the Bibliography Guide for Editors and Authors (BIOSIS, Chemical Abstract Service and Engineering Index, Inc. 1974). Single word titles, such as Biochemistry, Science, and Nature, should not be abbreviated.
- References should contain: author(s) name(s) followed by author(s) initials (without periods), year (within parentheses), title of article (only first word and proper nouns capitalized), journal (not underlined), volume number followed by a colon and inclusive page numbers (without a period at the end). Books must include the name and location of the publishers in that order.
- Single author references should be followed by double author references, first alphabetical, then chronological. Double author references should be followed by multiple authors (cited as et al. in the text). **These "et al." authors should be presented in the reference list chronologically without regard to the names of the second and subsequent authors.** For example;

- 104 Anderson JM (1989) . . .
- 105 Anderson JM (1993) . . .
- 106 Anderson JM, Baker N (1987) . . .
- 107 Anderson JM, Ort D (1989) . . .
- 108 Anderson JM, Ort D, Porath J (1981a) . . .
- 109 Anderson JM, Ort D, Porath J (1981b) . . .
- 110 Anderson JM, Whitmarsh, J, Brody S, Govindjee R (1983)
- 111 Anderson JM, Sharkey TD, Whitmarsh J, Crofts A (1984) . . .
- 112 Anderson JM, Crofts AR, Wraight C (1985) . . .
- 113 Do not indent second and subsequent lines—this will be done by the typesetter. Note that
- 114 page numbers should be separated by a double dash, or an "N" dash if your word
- 115 processor has one. Do not use a period (full stop) with author's initials, journal
- 116 abbreviations, and at the end of a reference.
- 117 When there are more than eight authors list the first 6, then add an ellipsis (. . .), then the
- 118 last author.
- 119 **Examples of references**
- 120 **Periodicals:**
- 121 Scopes RK, Porath J (1990) Differential salt-promoted chromatography for protein
- 122 purification. *Bioseparation* 1: 1--12
- 123 Smith CK, Azmuth C-L, Riley P (1992) In search of the earliest cyanobacteria. *J Phys*
- 124 *Chem* 118: 78--86 [Note: **no periods** in names and journal abbreviations!]
- 125 **Edited Books (edited by someone other than the author of article/chapter):**
- 126 Smith EL, Austen BM, Blumenthal KM, Nye JF (1975) Glutamate dehydrogenases. In:
- 127 Boyer PD (ed) *The Enzymes*, Vol 11, pp 293--367. Academic Press, New York
- 128 **Edited Books (where you want to reference the entire book, not just an individual**
- 129 **article/chapter)**
- 130 Jones HE, Thomas W (eds) (1998) *The Complete Book on Photosynthesis*. Academia
- 131 Press, Phoenix

132 **Books (monographs):**

133 Hicks CR (1973) Fundamental Concepts in the Design of Experiments. Holt, Rinehart
134 and Winston, New York

135 **Note that the number of pages is not needed for references to entire books.** However,
136 when citing an edited special issue of a journal, inclusive page numbers must be given.

137 **Web Pages:**

138 Bacterial photosynthesis. <http://www.life.uiuc.edu/micro/advisor/mcbio200/oct4.html>
139 (December 14, 1999)

140 Gust D (1996) Why study photosynthesis?
141 <http://photoscience.la.asu.edu/photosyn/study.html> (April 20, 2000)

142 Herbert TJ (2000) Form and photosynthesis in vascular plants.
143 http://fig.cox.miami.edu/Faculty/Tom/bil160sp98/plantform/13_plantform.html (March
144 12, 2000)

145 Some notes on citations for web pages: Include the items needed to fully
146 identify and credit the web pages. The citation should include: the author
147 or developer (if known); the year the web page was created or copyrighted
148 (if known); the title; the full URL (Universal Resource Locator) of the
149 page; the date the web page was accessed by the chapter author. Any other
150 questions should be referred to the editors of the book.

151 **Tables**

- 152 • Each table should be typed on a separate page.
153 • Tables should be numbered with Arabic numerals, followed by the title.
154 Horizontal rules should be indicated; **vertical rules and boxes (outlined cells)**
155 **should not be used.** Table footnotes should be marked with superscript numbers
156 or letters depending on which would be most appropriate.
157 • Each table must be mentioned in the text.
158 • Table format may be edited by the typesetter to permit more compact typesetting.
159 • Indicate the preferred location of all tables in the electronic file.
160 • Please see previous books in the series, or copies of Photosynthesis Research, for
161 examples of proper table layout.

162 **Figures**

- 163 • Each figure must be mentioned in the text. **They must be cited in a sequential**
164 **order.**
165 • Production of figures is changing with access to very high quality scanners and
166 software that outputs files suitable for publication. Three formats that work well

- 167 are PNG, JPEG, and TIFF, with JPEG making much smaller files. You are
168 encouraged to include figures in digital form as PNG, JPEG, or TIFF for
169 publication. For editing be sure the files are not too large but check to be sure they
170 have sufficient resolution for review and editing.
- 171 • Resolution for publication should be at least 300 d.p.i. for photographs; and 600-
172 1200 d.p.i. for line drawings. It may be necessary to change the output setting of
173 some programs to ensure sufficient resolution. If a figure is contained within one
174 column, it should have a total resolution of about 1000 pixels to ensure it will be
175 300 d.p.i. when printed. A two-column figure may need as much as 2500 pixel
176 width.
 - 177 • Please make sure that all labels in the figure match the format of the text. Modern
178 graphics software can produce correct characters such as the Greek "mu's". Be
179 sure the correct character is used or seek help from your editor. Labels on figures
180 should normally be a sans-serif font such as Arial or Helvetica.
 - 181 • Halftone reproductions (photographs and gray-scale figures or drawings with fine
182 shading) must be clear and well contrasted. Photocopies are never acceptable for
183 these figures.
 - 184 • **We encourage you to include some color figures, especially if it would make**
185 **your chapter more understandable, and/ or attractive.**
 - 186 • Figures as well as legends should be identified by Arabic numbers and headed
187 'Fig. 1', etc.
 - 188 • Where multi-part figures are used, each part should be clearly identified in the
189 legend, **preferably with lower case letters**. If the figure legend refers to "a" and
190 "b" parts of a figure, then the figure must also have "a" or "b" indicated on the
191 original figure.
 - 192 • Each figure should be identified by labeling the file with your name, chapter
193 number, and figure number.
 - 194 • Please do not give magnification or scales in the figure legends: instead, draw bar
195 scales directly on the figures.
 - 196 • Indicate the preferred location of all figures in the body of the digital file.
 - 197 • Do not send figures as Microsoft Word or Power Point files. Power Point can
198 export figures as TIFF or JPEG but it is important to set the resolution high
199 enough.
 - 200 • The appearance of your figures has a large effect on the effectiveness of your
201 chapter. Please ensure they are easy to grasp and are attractive.

202 **Abbreviations and units**

- 203 • SI units should be used, e.g. mg, g, km, m, cm, mm. If ppm is used it should be
204 clear what is meant (it normally is only appropriate for mole fractions such as for
205 gases). The SI rules are not strictly enforced and so cpm, l (liter), ml, s (second),
206 min (minute), h (hour) are also allowed.
- 207 • Use mg l⁻¹, not mg/l.
- 208 • If a non-standard abbreviation is to be used extensively, it should be defined in
209 full in the abbreviation list. Abbreviations for figure labels may appear with the
210 figure legend if those abbreviations are not used elsewhere in the chapter.

- 211 • In addition to defining abbreviations in a list in the beginning of the paper, they
212 should be defined first time they are used in the text.

213

214 **Index**

215 At the time of submitting final chapter (after revision) to the editor, authors should
216 indicate index entries by highlighting these words and the phrases in the electronic copy.
217 The editor will then prepare a list of index entries to be sent to the publisher to prepare
218 the index.

219 **Further Notes on the Preparation of the Manuscript**

220 Each chapter must be submitted in an electronic version. The mode of electronic
221 submission must be checked with the editor, as he/she may prefer submission as e-mail
222 attachment. The following word processing formats are supported (bolded and starred
223 listings are preferred):

224 ***Word** (Mac, PC, or Windows)

225

226 RTF (Rich Text Format) (Mac, PC, or Windows)

227

228 Have the editor query the typesetter if you are considering any other format. Please note
229 that some common formats such as Te_x and LaTeX cannot be translated into any of the
230 common desktop publishing programs and cannot be used for submissions. If you use
231 Te_x, then you must translate it to one of the formats listed above. Untranslated Te_x
232 submissions will be returned to the authors.

233 The purpose of the manuscript in an electronic form is to provide the typesetter with your
234 chapter in an easily handled form. If you have not followed the guidelines, your
235 manuscript may be returned for revision, at the discretion of the typesetter, editors, or
236 series editors.

237 Please follow these simple rules:

238 Use the return key to indicate ends of paragraphs only--do not use it to end each line
239 unless a hard break is absolutely necessary. Do not use multiple spaces to position text,
240 use tabs.

241 Use common serif fonts such as Times, Times Roman, Times New Roman, or
242 similar. Because the manuscript will be typeset it is best to use left justification only, not
243 full justification. This will avoid unclear spacing issues. **The series editors recommend**
244 **font size 12, Times (New) Roman, double-spaced Word (.doc or .docx) files for**
245 **manuscripts.**

246 If your word processor does not handle special characters, such as Greek letters,
247 substitute full words enclosed by angle brackets, or regular brackets, i.e. <alpha>, or,
248 [lambda]

249 **Do not italicize Latin or other non-English phrases and initials that are commonly**
250 **used in the English language: i.e., e.g., in vivo, in vitro, in situ, and et al. etc.**

251 Do not use ALL CAPS in titles—only in acronyms or certain abbreviations (DNA,
252 PAGE, NADPH).

253 Be consistent in your punctuations, spellings, abbreviations, and references. Contact your
254 editor for additional guidelines, if you need them.

255 Only hyphenate words that need it, such as "well-being" or "site-directed". Do not
256 hyphenate words to split them between lines--let them wrap around. Use double hyphens
257 "--" to indicate "M" and "N" dashes (dashes longer than a standard hyphen) and to
258 indicate a range such as "1--3 min" or page numbers.

259 Make sure that all equations are easy to read. Equations in your electronic files may or
260 may not translate well and you may be required to provide a revised version of your
261 chapter. **Please do not use embedded graphics for equations or symbols that appear**
262 **within the lines of text**--they almost never translate properly and must be retyped
263 causing delays.

264 **Please follow the guidelines for references. Correcting reference errors has proven**
265 **to be the greatest time-consuming part in the electronic typesetting of manuscripts.**

266 If you have any questions, contact your editor.

267

268 Revised 30 April 2015

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