

## Instruction to Authors

### Online Submission of Manuscripts

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and upload your cover letter (.pdf), single PDF file of manuscript, and all relevant source files following the onscreen instructions. Manuscripts should be submitted by corresponding authors. Contact below if you have any questions about submission of manuscripts.

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### Scope

Breeding Science is published by the Japanese Society of Breeding. Breeding Science publishes research papers, notes and reviews related to breeding. Research Papers are standard original articles. Notes report new cultivars, breeding lines, germplasms, genetic stocks, mapping populations, and techniques significant and useful for breeding. Notes also report short but significant research. Reviews summarize recent and historical events related breeding.

Manuscripts should be submitted by the corresponding author. Corresponding author must have obtained permission from all authors prior to submission. Correspondence, proofs, and charges of excess page and color figures should be handled by the corresponding author.

Manuscripts accepted for publication are assessed a publication charge of ¥10,000 for members and ¥20,000 for nonmembers for the first six printed pages (Research Papers), four printed pages (Notes) or ten printed pages (Reviews). About 900 words (or 5400 letters including spaces between words) correspond to one printed page. Authors are requested to consider additional area for tables and figures. Excess page charge of ¥9,000 per printed page will be charged to authors. Color charges of ¥30,000 for each color figure will be charged to authors. Electronic supplementary materials (ESM) will be published on the web in PDF format. Depending on the quantity charges may apply.

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### General instructions

1. Manuscripts for Research Papers should be arranged in the following order: Title Page, Abstract, Key Words, Introduction, Materials and Methods, Results, Discussion, Acknowledgments, Literature Cited, Tables, Figure Legends, and Figures. All pages must be consecutively arranged in this order. Separate Results section from Discussion. Notes should have appropriate headings to reflect contents, this may be the same heading as for a Research Papers. Reviews may include sections with appropriate headings.
2. All the manuscripts should be written in standard scientific English. Non-native English authors are highly recommended to use a scientific English-editing service to improve the manuscript prior to submission to Breeding Science. A list of some English-editing service is available from the Breeding Science Editorial

Office <[BS@nias.affrc.go.jp](mailto:BS@nias.affrc.go.jp)>, although Breeding Science does not take responsibility for these services. Manuscripts of low linguistic quality will be returned to authors without review.

3. Acceptable formats for text is MS Word. Text should be typed using 12-point Times New Roman on A4 (210 mm by 297 mm), double-spaced with approximately 30 mm margin. Page number and line number should be given. No footer or header should be given in text. A word or URL should not be divided.

4. Scientific names should be written out in full (*Genus, species*) in the abstract and again in the main text the first time used. Words cultivar (cv.) and variety (var.) should be written in Roman and added to the full scientific name (e.g. *Oryza sativa* L. cv. Nipponbare). After first mention, the generic name may be abbreviated or commonly understood name used.

5. SI units should be used. The first time an abbreviation is used it is in parenthesis after the non-abbreviated name. Don't abbreviate a term that is used only once or twice in the manuscript.

6. Accession No. and public repositories of the germplasm used should be provided in Materials and Methods section of the manuscript to permit others to check results.

7. Nucleic acid and protein sequences must be deposited in a public database such as DDBJ/EMBL/Genbank and Swiss-Prot and the accession numbers for these sequences should be provided in the manuscript.

8. Main headings should be written in Gothic characters. Second-level headings should be written in italic characters.

9. In the text, cite references by author name and year of publication. If there are more than two authors, list the first name followed by *et al.* Personal communications should be cited with permission only in the main text. All figures, tables, and supplementary data files must be mentioned in the text.

10. Rice gene nomenclature should follow the system of the Rice Genetics Cooperative Committee, <http://www.springerlink.com/content/q047075330507t73/fulltext.html> and the new rice genes should be registered to the rice gene nomenclature portal, [http://www.shigen.nig.ac.jp/rice/oryzabase\\_submission/gene\\_nomenclature/](http://www.shigen.nig.ac.jp/rice/oryzabase_submission/gene_nomenclature/).

11. If misconduct on submitted manuscript including dual-submission is found after the manuscript is accepted, acceptance will be withdrawn and a note to announce withdrawal will be published.

### Preparation of manuscript

#### Title Page

Provide the following items and information in this order on page 1.

1. Manuscript type: Indicate Review, Research Paper or Note.
2. Title: Usually begin ONLY the first word with capital letters. Subtitle should not be used.
3. Author(s): Full names. Superscript number after author's name may indicate multiple affiliations. Numbers should appear in order. Corresponding author should be identified with an asterisk (\*). Authors contributing equally to the paper should be identified with dagger (†).
4. Author affiliation: Department, institution, complete address, and postal code should be included for each author.
5. \*Corresponding author: The full name, affiliation, complete

address, email address, and telephone and fax numbers should be given. The information will be used for the contact from Breeding Science Editorial Office.

6. Manuscript information: Numbers of figures and tables should be indicated.

7. List of author's last names: Will be used for making headers of pages.

8. Running title: Abbreviated title with no more than 10 words.

9. Member or nonmember of the Japanese Society of Breeding.

#### **Abstract**

All manuscript should include abstract and key words. Abstracts should be a single paragraph with no more than 200 words on page 2. State the principal scope and objective of the investigation, summarize materials and methods, outline the results, and state the conclusions. No references should be cited in the Abstract. The Abstract should be followed by up to seven **Key Words**.

**Introduction.** State the background and aim of the present research (from page 3). A short relevant review of literatures should be provided.

**Materials and Methods.** Include full description of the sources of materials including gene bank accession numbers and all experimental procedure to allow reproduction.

**Results.** Concisely summarize the data, emphasizing the patterns supported by figures and tables.

**Discussion.** Interpret the results, supporting the conclusions with evidence. Address the importance of the major finding of the work.

**Acknowledgments.** Should be brief. Funding sources should be listed.

#### **Literature Cited**

List all the references cited in the paper. ISO Abbreviations of journal titles may be searched by 'Search Journals' command in PubMed (<http://www.pubmed.gov/>). Papers accepted for publication can be listed with the name of the journals followed by "In press". If a referenced work has more than 10 authors, list the first 10 followed by *et al.* References should be listed alphabetically by the names of first authors, years, then the name of second authors.

*Journal articles are cited as follows:*

Lin, H.X., Z.W. Liang, T. Sasaki and M. Yano (2003) Fine mapping and characterization of quantitative trait loci *Hd4* and *Hd5* controlling heading date in rice. *Breed. Sci.* 53: 51–59.

*Articles or chapters in books are cited as follows:*

Bothmer, R.v., K. Sato, T. Komatsuda, S. Yasuda and G. Fischbeck (2003) The domestication of cultivated barley. *In:* Bothmer, R.v., T.v. Hintum, H. Knüpfner and K. Sato (eds.) *Diversity in Barley (Hordeum vulgare)*, Elsevier, Amsterdam, pp. 9–27.

*Books are cited as follows:*

Allard, R. W. (1999) *Principles of plant breeding*, 2nd edn. Wiley, New York, p. 254.

#### **Tables**

Each Table should be in a separate page and be numbered Table 1, Table 2 etc. followed by a complete caption at the top. Each entry within tables should start with a capital letter. Vertical lines should be avoided. Footnotes should be identified by superscript italicized letters *a*, *b*, *c*, etc. Use superscript asterisks for significant values. Tables set by MS Excel should be copied into MS Word files prior to submission.

#### **Figure Legends**

Figure legends should be on a new page. If figures consist of multiple panels, a brief overview of the entire figure should be provided in the first sentence. All symbols and abbreviations used in figures should be explained in figure legends. Place Figure Legends

immediately before figure pages. Indicate figure size (e.g. 12.5 cm (H) × 8.5 cm (W)) below each Figure Legends.

#### **Figures**

All images (e.g. photographs, line drawings, graphs) are considered to be 'Figures'. Each figure should be prepared in a separate file, and each figure should be numbered (Fig. 1, Fig. 2, etc.) according to the order in which they are first mentioned in the text. When a figure consists of several parts, each part should be labeled capital A, B, C, etc. (Fig. 1A, Fig. 1B, Fig. 1C, etc.) Magnifications should be indicated by scale bars in photographs. Figures should be prepared to professional standards.

All images submitted must be final physical size they would appear in the Journal. Height and width should be chosen for either single (8.5 cm wide) or double (up to 17.4 cm wide) column reproduction. Indicate their size below each figure caption. The title or footnotes should not be included in the figure files but in the Figure Legends section.

Acceptable formats for figures are JPEG (.jpg or .jpeg), TIFF (.tif or .tiff) or BMP (.bmp). Resolution required is 1200 dpi (dots per inch) for line arts, 600 dpi for images that combine line art and photographs, and 300 dpi for photographs. The file name (one file for each figure) should include the figure number followed by extension (Fig. 1.jpg, Fig. 2.tif, etc.).

#### **Supplemental materials**

Large amounts of additional information (data) can be submitted for the web publication only. Supplemental materials should be numbered (Supplemental Fig. 1, Supplemental Table 1, Supplemental Text 1. etc.), and should be submitted as separate files which are ready for web publication. Acceptable format is PDF (.pdf) adjusted to A4 (21 cm × 30 cm). Supplemental materials should be placed after figures, and will be subjected to review.

#### **Cover letters**

Cover letter to Editor-in-Chief should be sent with each new submission. Three Editorial Board members should be recommended for handling the review in the cover letter. Cover letter to the Editor who conducts the review process of the manuscript should be sent with the submission of revised manuscript.

#### **Review procedure**

A manuscript submitted to the Editorial Office will be assigned to one of the Editorial Board Members after checking the journal style and linguistic quality. Each manuscript will be reviewed by two referees with relevant expertise. On the basis of reviewers' comment, the Editor will recommend a decision (accept or reject) to Editor-in-Chief or request a revision of manuscript to authors. Authors should send the revised manuscript to the editor who conducts the review within 30 days. On resubmission of revised manuscripts authors should provide details of changes made to their manuscript and use **track changes** mode in MS Word on the revised manuscript so the Editor can see these changes in the manuscript. Revised manuscripts will then be reviewed by Editors for a final decision on the whether to recommend acceptance of the manuscript. Manuscript of low quality or out of scope may not be assigned to Editors and returned without review.

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