

Instructions for Authors

(Revised April 20, 2024)

- 1. Policy:** The Journal of Applied Glycoscience publishes papers in the broad field of general and applied glycoscience. The manuscript to be submitted must be a report of original research that has not been published and is not under review elsewhere.
- 2. Ethical responsibilities of authors:** This journal will follow the COPE guidelines on how to deal with potential acts of misconduct.
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 - 1) Regular papers must be reports in final form and complete in themselves.
 - 2) Notes may be short research reports describing a new experimental method, an especially interesting finding, or other material that may not be suitable for publication as a Regular paper.
 - 3) Reviews are articles that offer general discussion of a subject.
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<Examples>

- 1) When there is no COI

The authors declare no conflict of interests.

- 2) When there is information that needs to be disclosed

-The primary author receives compensation from [company name]

-This research was conducted with a research fund from [company name], which the author belongs to.

-This study was funded by [company name].

-XXX, YYY, and ZZZ [authors concerned] received honorarium from [company name].

-AAA, BBB, and CCC [authors concerned] are employees of [company name].

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(Revised April 20, 2024)

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1) Title page: The first page of each manuscript must contain the following information:

(1) Article type: Specify whether the manuscript is a Regular paper, Note, or Review

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(3) The full title of the manuscript

(4) Full names and affiliations of the authors: Please prepare these in accordance with the following example. The corresponding author should be indicated with a dagger (†).

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(5) The phone number, fax number, and e-mail address of the corresponding author should be presented as follows: † Corresponding author (Tel. +81-XX, Fax. +81-XX [or Tel. & Fax. +81-XX], E-mail: xxx@yyy.zz.jp, ORCID ID)

(6) A complete list of abbreviations used more than twice in the

(7) Any necessary footnotes

2) Abstract and key words: The abstract should be no longer than 250 words for Regular papers and Reviews. The abstract for Notes should contain fewer than 150 words. After the abstract, four to 6 key words should be given.

3) Text: Major headings are in bold capitals and the text follows on the next line. Minor headings are italicized and followed by a period and the text follows on the same line. Regular papers consist of the INTRODUCTION, MATERIALS AND METHODS, RESULTS, and DISCUSSION as major headings. The RESULTS and DISCUSSION sections may be merged as RESULTS AND DISCUSSION. The MATERIALS AND METHODS section may be placed after the DISCUSSION section as EXPERIMENTAL. In Notes, no major headings are used in the text; if necessary, EXPERIMENTAL may be used in Notes. The section styles for Reviews are not defined.

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5) References: References should be numbered in the text as [1], [2,3], or [4–6] and listed in the order of their appearance in the text according to Vancouver referencing style. Follow the style shown in the examples below. List all authors (if 6 or fewer) in the reference. If there are 7 or more authors of a cited work, give only the first six authors' name followed by “et al.” and the citation. The reference list starts with the major heading REFERENCES To cite articles that are in press, digital object identifiers (DOIs) should be provided, if available. Citations of unpublished results, papers in preparation, and Web sites should be included in the text in parentheses, but not in the reference list.

Abbreviations for journals are based on Index Medicus (PubMed).

<Examples>

Citation of journal articles

[1] Chaen H. Studies on novel enzymes for synthesis of trehalose from starch. *J Appl Glycosci.* 1997;

44: 77–82.

- [2] McCarter JD, Withers SG. 5-Fluoro glycosides: a new class of mechanism-based inhibitors of both α - and β -glucosidases. *J Am Chem Soc.* 1996; 118: 241–42.
- [3] Kumagai A, Tada S, Nozaki K, Mizuno M, Kanda T, Suzuki S, et al. Enzymatic production of glucosylxylose using a cellobiose phosphorylase-yeast combined system. *J Appl Glycosci. Adv. Pub.* 2010 Nov 29; JAG-2010_008. Available from: https://doi.org/10.5458/jag.jag.JAG2010_008.

Citation of book chapters

- [4] Young AH. Fractionation of starch. In: Whistler RL, BeMiller JN, Paschall EF, editors. *Starch: Chemistry and Technology*. 2nd ed. New York: Academic Press;1984. p. 249–83.

Citation of book chapters in annually issued books with serial volume numbers

- [5] Hicks KB. High-performance liquid chromatography of carbohydrates. *Adv Carbohydr Chem Biochem.* 1988; 46: 17–72.
- [6] Salton MRJ. Chemistry and function of amino sugars and derivatives. *Annu Rev Biochem.* 1965; 34: 143–74.
- [7] Lehle L, Tanner W. Synthesis of raffinose-type sugars. *Methods Enzymol.* 1972; 28: 522–30.

Abstracts of conferences

- [8] Chen YL, Morrison NA. Unique functional properties of microfibrillar cellulose. *Abstract Book of XIX International Carbohydrate Symposium*, 1998 Aug 9-14; San Diego, CA, USA. AP 111.

Patents

- [9] Muramatsu M, Nakakuki T, Kainuma S, Miwa T, inventor; Nihon Shokuhin Kako Co., Ltd., assignee. Production Method of Branched Fructooligosaccharides. United States patent US 5334516. 1994 Aug 2.

Preprint

- [10] Nolan M, Pesaran B, Shlizerman E, Orsborn AL. Multi-block RNN autoencoders enable broadband ECoG signal reconstruction. *bioRxiv*, 2022.09.07.507004 [preprint]. 2022 [cited 2023 Feb 9]: [16 p.]. Available from: doi: <https://doi.org/10.1101/2022.09.07.507004>.

For other examples, please refer to the National Library of Medicine site below.

https://www.nlm.nih.gov/bsd/uniform_requirements.html

When using reference software such as EndNote or Mendely, it is better to select brackets, only year in date.

6) Tables: Tables are prepared as text data. They must be numbered with Arabic numerals (e.g., “Table 1”) according to their sequence in the text. Each table must be prepared and submitted on a separate page. Horizontal lines should be used to separate components in rows, but vertical lines should not be used to separate columns. Each table should have a brief and self-explanatory title. Any explanation essential to the understanding of the table (e.g., abbreviations) should be given as a footnote beneath the table.

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9) Supplemental information: Supplemental information can be added as Supplementary Materials. The supplemental information of an accepted manuscript is generally available to the public through the Internet, at the Journal's Web site. The existence of supplemental information must be indicated in the text (e.g., “Fig. S1; see J. Appl. Glycosci. Web site”). Movies must be saved in a format that is viewable with free software for Windows and Macintosh. Materials whose copyright belong to a third party are not acceptable as supplemental information.

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1) Units: length: m, Å; area: m²; volume: L (liter); mass: g, mol; time: year(s), month(s), week(s), day(s), h, min, s; temperature: °C, K; concentration: M (molar = mol/L), %, ppm, ppb; energy: cal, J; gravity: G; force: N, dyn, kgf (= G × N); pressure: Pa, kgf/cm²; power: W; current: A; electric potential: V; resistance: Ω; viscosity: Pa·s, BU (Brabender unit); radioactivity: Bq, cpm, R; angle: ° (degree), ' (minute), " (second); sedimentation coefficient: S (Svedberg unit = 10⁻¹³ s). Others: I₂ g/100 g (iodine affinity), U (enzyme activity, μmol/min), and mesh (size of particles).

2) Names of compounds: Basically, according to IUPAC rules. Abbreviations of natural amino acids, nucleic acids, and co-enzymes that are commonly used may be used without definition. For abbreviations of amino acids, one-letter abbreviations can be used only to show peptide sequence (such as D263). Otherwise, three-letter abbreviations should be used.

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