

Instructions for Authors

- (Aims and scope)** Applied Biological Chemistry (ABCH) is a bimonthly journal copublished by the Korean Society for Applied Biological Chemistry (KSABC) and Springer Verlag. The goal of ABCH is to promote scientific information interchange among researchers in the field of applied biological chemistry. The journal covers all the scientific and technological aspects of biochemistry / molecular biology / microbiology, bioactive materials / biomedical sciences, environmental sciences, and food sciences.
 - (Form of paper)** The papers are classified into three categories.

Articles cover full reports of research works that require precise description and clear interpretation of theoretical or experimental works.

Notes should report brief results whose immediate availability to the scientific community is deemed important. A note is restricted to four printed pages (approximately 2,000 words in MS word except figures or tables) and has to fulfill the structure of a fulllength article. The total number of figures and tables should not exceed four.

Reviews deal with all aspects of applied biological chemistry.
 - (Submission of manuscripts)** The manuscripts submitted for publication must be previously unpublished research works. Each paper should be submitted as a computer file written using MS Word with 12-point font, double-spacing, and line numbers. All figures are separately uploaded as gif or jpeg files. Tables should be uploaded as .doc or .xls files. Manuscript is to be submitted through the online Editorial Manager system (<https://www.editorialmanager.com/jabc/>). All queries relating to the submission should be directed to journal@ksabc.or.kr.
 - (Editorial review and revision)** Contributors may recommend or exclude potential reviewers on the basis of their knowledge on the subject matter of the paper. Editorial board will decide if the manuscript is to be accepted, rejected or peer-reviewed, based on the following criteria: field of research, scope of work, quality of language usage, adequacy of tables and figures, and observance of format. In addition, all manuscripts will be edited by native English speakers. Acceptance of the paper will depend upon its scientific merit and suitability for the journal. The reviewers' and editor's suggestions will be conveyed to the corresponding author (henceforth 'the author') without identifying the reviewers, and the author will have an opportunity for revision with full, sole responsibility. The revised manuscript must bear a sign 'REVISED' on top right of the title page. If a manuscript returned to the author for revision is held longer than eight weeks, the submission will be considered withdrawn, unless a previous arrangement has been made with Editor-in-Chief. If a manuscript is declined, the author has the right to appeal and should send a letter to the Editor-in- Chief presenting the reasons why the editorial decision should be reconsidered. Even after the 'accept decision' by Editor-in-Chief, the author may be asked to make revision regarding both editorship and scientific aspect of the manuscript overlooked during review process, if necessary, by the editorial office.
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 - (Reprints)** The author is responsible for reprint charge.
- ### Preparation of Manuscripts
- (Form of character)** The font should be used with 'Times New Roman'.
 - (Style)** The authors should present their material with utmost conciseness under the following organization: Title, Abstract, Introduction, Materials and Methods, Results, Discussion, Acknowledgments, and References. A cover letter should be accompanied by a brief explanation of the work and a statement that the manuscript was edited by a native English speaker.

Title page should include (1) article category, (2) field under which the paper is to be reviewed, (3) title of the paper, (4) a dot (•) after the end of each author's name (5) list full names of all authors, (6) an e-mail address of the corresponding author. Author affiliation must be footnoted using superscript numbers. The manuscript should present results of independent and cohesive study, thus, numbered series titles are not allowed. The title words, except prepositions and articles, should be properly capitalized. Avoid use of abbreviations and acronyms in titles. Molecular formulas (e.g. NaCl) and abbreviations defined in the title are allowed, and avoid words such as 'Studies on.' The corresponding author(s) is to be marked by (✉). When more than one first-authors, they are marked with footnote designation. Pagination should start from the title page.

Abstract should be included in a separate page without heading for all forms of papers. It should be written in 250 words or less and suitable for direct inclusion in Current Contents, Chemical Abstracts, etc. Experimental details should not be presented in the abstract. All abbreviations used only once or for the first time must be spelled out.

Keywords are presented in an alphabetical order, and must follow the abstract in the same page. Do not italicize the key words except binomial nomenclature. Avoid use of abbreviations and acronyms.

Abbreviations and Acronyms, if any, should be spelled out the first time it is used, and put in parenthesis after the full name. Terms defined in the abstract should be defined independently in the main text.

Introduction should state (1) the purpose of research and (2) its relation to other works in the field.

Materials and Methods should be described in detail for repetition of the work, and manufacturers or the sources of materials should be cited. Subheading in bold starts without indentation and end with period. It is separated from the text by an empty line. When providing supplier information for material sources, company name and location (city, state (optional), country) should be provided. The accession numbers of any nucleic acid or protein sequences must be provided. All microbial strains should be deposited in publicly accessible culture collections, and the collections and strain numbers should be referred in the manuscript to ensure reproducibility of the experiment by a third party. Voucher specimen number should be recorded for the field-collected materials. Neither third level heading nor numbered heading is allowed.

Results and Discussion should ordinarily be separated. However, they may be combined if a single section presentation is necessary for a more compact presentation. Heading is the same as mentioned above.

Acknowledgment(s) should be treated as a subheading placed at the end of Results and Discussion.

Supplementary material announces the presence of spectra, chromatograms, figures, tables or detailed experimental procedure, which are not suitable for publication but useful for judgment by the referees and readers' perusal. The material should be submitted as an electronic file in MS Word (.doc and .rtf), or portable document format (.pdf) and will be published only as an electronic file. Supplementary materials are not page-charged. Authors are especially recommended to submit chromatographic and spectral data of already known compounds.

References should only include works that are cited in the text and that have been published or accepted for publication. Personal communications and unpublished works should only be mentioned in the text. Do not use footnotes or endnotes as a substitute for a reference list. Reference list entries should be alphabetized by the last names of the first author of each work.

Citations within the text should be identified by authors' name and year. Follow the styles shown in the following examples:

Citation Cite references in the text by name and year in parentheses. Some examples:

- Negotiation research spans many disciplines (Thompson 1990).
- This result was later contradicted by Becker and Seligman (1996).
- This effect has been widely studied (Abbott 1991; Barakat et al. 1995; Kelso and Smith 1998; Medvec et al. 1999).

Journal names should be abbreviated according to the ISI Science Citation Index database. References accepted for publication but not yet published should show the journal name and, if known, the probable year of publication, and state "in press." The following types of references are not valid for listing: unpublished data, personal communication, a manuscript in preparation or submitted, pamphlets, abstracts, newsletters, etc. Instead, references to such sources should be made parenthetically in the text. Follow the styles shown in examples below:

(Journal article) Li XD, Li J, Wang M, Jiang H (2016) Copigmentation effects and thermal degradation kinetics of purple sweet potato anthocyanins with metal ions and sugars. *Appl Biol Chem* 59:15-24

The names of all authors should be provided.

Kim HJ, Kang SG, Jaiswal L, Li J, Choi JH, Moon SM, Cho JY, Ham KS (2016) Identification of four new angiotensin I-converting enzyme inhibitory peptides from fermented anchovy sauce. *Appl Biol Chem* 59:25-31

(Article by DOI) Slifka MK, Whitton JL (2000) Clinical implications of dysregulated cytokine production. *J Mol Med*. doi:10.1007/s001090000086

(Book) South J, Blass B (2001) *The future of modern genomics*. Blackwell, London

(Book chapter) Brown B, Aaron M (2001) The politics of nature. In: Smith J (ed) *The rise of modern genomics*, 3rd edn. Wiley, New York, pp 230-257

(Online document) Cartwright J (2007) Big stars have weather too. IOP Publishing PhysicsWeb. <http://physicsweb.org/articles/news/11/6/16/1>. Accessed 26 June 2007

(Dissertation) Trent JW (1975) *Experimental acute renal failure*. Dissertation, University of California

12. **(Tables and Figures)** Tables should be typewritten separately from the text, and each table should have an explanatory title. Avoid constructing a table or a figure of two point data. Figures and chemical formulas should ordinarily be original drawings prepared with a suitable drawing program. The resolution for images containing pictures should be 300–600 dpi and for line art figures at least 900 dpi. All text and symbols on a figure should be large enough to read easily considering they are to be reduced in size to fit in a single column width (8.5 cm) or two-column width (17.5 cm). Graphs are to be boxed whenever possible. They are cited in the text as 'Fig. 1' or 'Table 1'. Spectra and chromatograms are normally not allowed unless the appearance is deemed absolutely necessary. Instead, present the spectral data in the format of *Journal of Natural Products*, preferentially in Materials and Methods section. The spectra can also be submitted as supplementary materials, in which case should be stated in the text: Copies of original spectra (or chromatograms) are available as supplementary material. The figure titles and legends must be grouped in a separate page, not included in the same page with the figures.
13. **(Nomenclatures, Units, Abbreviations, and Symbols)** Nomenclatures for chemicals and biochemicals should follow the guidelines published by American Chemical Society. SI units (System International d'Unites) should be used whenever possible. Abbreviations and symbols should be used for those recommended by IUPAC and IUBMB (*Biochemical Nomenclature and Related Documents*, 1978). Symbols of the units should be spaced from the numbers to which they refer, except oC and %.
14. **Manuscript checklist** It is hoped that this list will be useful during the final checking of your manuscript prior to submission to journal for review. Ensure that the following items are present:
 - One author designated as corresponding author
 - E-mail address of corresponding author
 - Abstract should be written in 250 words.
 - Key words are presented in an alphabetical order.
 - Page and line numbers
 - References are in the correct format for this journal.
 - All references mentioned in the Reference list are cited in the text, and vice versa.
15. **(Provision)** This instruction applies to the manuscripts to be published after January 2016.