

# Instructions for Authors

## 1. Submission qualification

Submission of a paper to the *Biocontrol Science* implies that it has not previously been published and that it is not being considered for publication elsewhere. At least one of authors or affiliated institution must be a member of the Society for Antibacterial and Antifungal Agents, Japan, except for overseas 'authors.

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- 1) Manuscript type: Manuscript type and limit of content are as follow:
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  - (b) Notes: limited to 4 printed pages including Figures and Tables
  - (c) Review and minireview papers: limit, 8 printed pages
  - (d) Communications: limit, 4 printed pages
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- 1) Submission item: When the manuscript is submitting to our Society, please send(refer) below (a) ~ (e)
  - (a) Cover (refer: 5.Cover)
  - (b) Text
  - (c) Tables
  - (d) Figures and photographs
  - (e) Summary (Japanese)
- 2) Address: Editorial Committee of *Biocontrol Science* by e-mail (biocontrol-sci@saaaj.jp) (Max: 15MB)
- 3) Reception and receiving day: When the editorial board received the submitted manuscript, it is the receiving day. When the submitted manuscript would be accepted after the judgement, it would be become to the acceptance day

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- ①~⑦ are English and ⑧~⑫ are described by Japanese (Japanese author only).
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## 6. Text

- 1) Beginning page: The text is begun from the 2nd page.
- 2) Composition: The text of original paper should be divided into (a) ABSTRACT of within 200 words, (b) INTRODUCTION, (c) MATERIALS AND METHODS (d) RESULTS, (e) DISCUSSION, (f) ACKNOWLEDGMENTS, (g) CONFLICT OF INTEREST, (h) REFERENCES. Items (d) and (e) can be combined. Notes and Communications: (a) ABSTRACT within 150 words. (b) Text (MATERIALS AND METHODS, RESULTS and DISCUSSION) don't divide, and also each item don't indicate.), (c) ACKNOWLEDGMENTS, (d) CONFLICT OF INTEREST, (e) and REFERENCES  
 The construction of minireview can be prepared by the author's free style. But subdivision of each item such as big, middle and small headline must be avoided as much as possible.
- 3) Description contents:
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  - (b) INTRODUCTION: The background and object of: the study must be described concisely, and general description must be avoided.
  - (c) MATERIALS AND METHODS: According to each experimental item, it must

be described concisely and compactly. Already published experiment method quotes the references and describes the necessary item minimally.

- (d) RESULTS: Please described the results specifically which the experiment results is consisted logically. It must be described effectively using figures and tables, and also take notice of redundant and unclear description. Figures and tables should be of minimal necessity. The simple results must be described in the text.
  - (e) DISCUSSION: Please avoid the repeat of RESULTS. It must describe about the fact and interpretation of obtained results as much as possible.
  - (f) CONFLICT OF INTEREST: please refer to following item 16.
  - (g) REFERENCES: Please refer to following item 12 about the manner of the description.
- 4) Heading: In the original paper each item (MATERIALS AND METHODS and RESULTS) can be divided. But no numbering would be suitable. It is also the bold style (bold type). Division is also set to 1 stage, and 2 stages or any more headline such as big and small headline doesn't use. Between the headline items each one line is necessary.

### **7. Summary (Japanese:Japanese auther only)**

The original paper is about 400 words. Note and Communications are about 200 words. The above item 5 and (8)~(10) is written before text. This summary is published in Journal of Society for Antibacterial and Antifungal Agents, Japan.

### **8. Key words**

For key words, general terms such as 'Membrane', 'Structure', 'Enzyme', 'Inactivation', etc. should not be used. Instead, e.g. 'Membrane structure', 'Enzyme inactivation' are appropriate. Key words start with a capital letter. Separate each word with a slash ( / ).

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The number must be indicated in turn such as TABLE 1, and record on the different papers by each tables. Author's name must indicate in a margin of each paper. The title which shows the contents accurately must indicate. In order to understand experimental conditions without reading the text, the paragraph must be set up below each table (It can be set up the paragraph).

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References in the text should be cited as follows:

In case of two authors and below,

Hugo and Franklin (1968); for three or more authors, Reid et al. (1995). References to papers by the same author (s) in the same year should be distinguished by the letters, a, b, c, etc. (for example, 1995a). References at the end of the paper must be given in alphabetical order, except for papers with three or more authors, which should be listed in chronological order after any other papers by the first author. See examples below for references to journals and books.

Hugo, W. B., and Franklin, I. (1968) Cellular lipid and the antistaphylococcal activity of phenols. *J. Gen. Microbiol.*, 52, 365-373.

Reid, G., Khoury, A., and Nickel, J. C. (1991) The process of microbial biofilm formation in medical devices. In *Biodeterioration and Biodegradation 8* (Rossmore, H. W., ed.), pp. 187-195, Elsevier Science Publishers, New York.

Shibasaki, I. (1983) *Technology of Food Sterilization, New Edition* (in Japanese), pp.229-291, Korin, Tokyo.

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Authors must disclose any financial and personal relationships that may pose conflict of interest. All disclosures should be inserted by the author in the "Conflict of interest", which should be placed in a separate section before the reference list. If no conflict of interest is declared, then "The authors declare no conflict of interest" should be inserted in this section.

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## 18. English reviewer

The paper is checked by English reviewer by the person which was designated by our Society. This reviewer's charge is included in the publication fee.

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Listing fee is applied from 1 April, 2016.

### 『*Biocontrol Science*』

#### Submission manuscript:

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#### Final accepted manuscript:

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Application: From 26 October, 2017

**TABLE 1** . Selected quantities, units, and symbols.

| Quantity                     | Symbol                       | Unit   |
|------------------------------|------------------------------|--|
| Time                         | <i>t</i>                     | yr (not year), mo (not month), wk (not week),<br>d (not day), h (not hour), min, s (not second),<br>ms, $\mu$ s, ns      |
| Length                       | <i>l</i>                     | m, mm, $\mu$ m (not $\mu$ ), nm  |
| Area                         | <i>A</i>                     | $\text{m}^2$ , $\text{cm}^2$ , $\text{mm}^2$ , $\mu\text{m}^2$ , $\text{nm}^2$   |
| Volume                       | <i>V</i>                     | $\text{m}^3$ , $\text{dm}^3$ , $\text{cm}^3$ , $\text{mm}^3$ , $\mu\text{m}^3$ , $\text{nm}^3$<br>kL, L, mL, $\mu$ L, nL |
| Mass                         | <i>m</i>                     | kg, mg, $\mu$ g (not $\gamma$ ), ng  |
| Concentration                | <i>C</i>                     | M, mM, $\mu$ M, nM   |
| Amount of substance          | <i>n</i>                     | mol, mmol, $\mu$ mol, nmol   |
| Molecular mass               | <i>m</i>                     | Da (dalton)  |
| Relative molecular mass      | <i>Mr</i>                    | dimensionless  |
| Molar mass                   | <i>M</i>                     | $\text{g}\cdot\text{mol}^{-1}$   |
| Temperature                  | <i>T</i>                     | K, $^{\circ}\text{C}$  |
| Heat                         | <i>q, Q</i>                  | kJ, J (not cal)  |
| Electricity and magnetism    |                              |  |
| Electric current             | <i>I</i>                     | A, mA, $\mu$ A   |
| Potential difference         | <i>V</i>                     | V, mV, $\mu$ V   |
| Capacitance                  | <i>C</i>                     | F (farad)  |
| Magnetic field strength      | <i>H</i>                     | G (gauss)  |
| Resistance                   | <i>R</i>                     | $\Omega$   |
| Conductivity                 | <i><math>\kappa</math></i>   | S ( $\Omega^{-1}$ )  |
| Force                        | <i>F</i>                     | N ( $\text{kg}\cdot\text{m}\cdot\text{s}^{-2}$ )   |
| Pressure                     | <i>P</i>                     | Pa ( $\text{N}\cdot\text{m}^{-2}$ ), atm, bar, mbar, torr, $\text{kg}/\text{cm}^2$ , mm Hg                               |
| Sedimentation coefficient    | <i>s</i>                     | S (= $10^{13}$ s)  |
| Density                      | <i><math>\rho</math></i>     | $\text{g}\cdot\text{cm}^{-3}$  |
| Relative density             | <i>d</i>                     | dimensionless  |
| Viscosity                    | <i><math>\eta</math></i>     | P (= $0.1\text{ Pa}\cdot\text{s}$ )  |
| Frequency                    | <i><math>\nu, f</math></i>   | Hz   |
| Wavelength                   | <i><math>\lambda</math></i>  | nm (not $\text{m}\mu$ )  |
| Absorbance                   | <i>A</i>                     | dimensionless  |
| Transmittance                | <i>T</i>                     | dimensionless  |
| Molar absorption coefficient | <i><math>\epsilon</math></i> | $\text{M}^{-1}\cdot\text{cm}^{-1}$   |
| Ionic strength               | <i>I</i>                     | M ( $\text{mol}\cdot\text{l}^{-1}$ ), mM   |
| Energy                       | <i>E</i>                     | J (not cal)  |
| Gibbs free energy            | <i>G</i>                     | J (not cal)  |
| Equilibrium constant         | <i>K</i>                     | dimensionless  |
| Michaelis constant           | <i>K<sub>m</sub></i>         | M, mM  |
| Inhibition constant          | <i>K<sub>i</sub></i>         | M, mM  |
| Rate constant                | <i>k</i>                     | $\text{s}^{-1}$ , $\text{M}\cdot\text{s}^{-1}$   |
| Rate of reaction             | <i><math>\nu</math></i>      | $\text{mol}\cdot\text{s}^{-1}$ , $\text{mmol}\cdot\text{s}^{-1}$   |
| Other units                  |                              |  |
| Curie                        |                              | Ci   |
| Roentgen                     |                              | R  |

(cont'd)

(cont'd)

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Acceleration of gravity  $g$

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Prefixes for units : E, exa ( $10^{18}$ ) ; P, peta ( $10^{15}$ ) ; T, tera ( $10^{12}$ ) ; G, giga ( $10^9$ ) ; M, mega ( $10^6$ ) ; k, kilo ( $10^3$ ) ; h, hecto ( $10^2$ ) ; da, deca ( $10^1$ ) ; d, deci ( $10^{-1}$ ) ; c, centi ( $10^{-2}$ ) ; m, milli ( $10^{-3}$ ) ;  $\mu$ , micro ( $10^{-6}$ ) ; n, nano ( $10^{-9}$ ) ; p, pico ( $10^{-12}$ ) ; f, femto ( $10^{-15}$ ) ; a, atto ( $10^{-18}$ ).

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**TABLE 2.** Abbreviations for words other than units, quantities, or chemical compounds.

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|                    |  |
|--------------------|--|
| BOD                | biological oxygen demand   |
| b.p.               | boiling point  |
| calc.              | calculated   |
| cf.                | compare  |
| COD                | chemical oxygen demand   |
| conc.              | concentrated   |
| concn              | concentration  |
| cpm                | counts per minute  |
| dil.               | dilute   |
| dpm                | disintegration per minute  |
| e.g.               | for example  |
| et al.             | et alia (and others)   |
| Expt. (pl. Expts.) | Experiment(s)  |
| Fig. (pl. Figs.)   | Figure(s)  |
| i.e.               | that is  |
| max.               | maximum  |
| min.               | minimum  |
| <i>m-, p-, o-</i>  | meta-, para-, ortho-   |
| m.p.               | melting point  |
| <i>n-</i>          | normal   |
| no.                | number   |
| %                  | percent  |
| p. (pl. pp.)       | page(s)  |
| ppb                | parts per billion  |
| ppm                | parts per million  |
| ppt.               | precipitate  |
| ref. (pl. refs.)   | reference(s)   |
| $R_f$              | distance traveled by zone, divided by distance traveled by solvent front |
| rpm                | revolutions per minute   |
| S.D.               | standard deviation   |
| S.E.               | standard error   |
| sec-               | secondary  |
| spec. act.         | specific activity  |
| temp.              | temperature  |
| <i>tert- (t-)</i>  | tertiary   |
| UV                 | ultraviolet  |
| vol. (pl. vols.)   | volume(s)  |
| vs.                | versus   |
| v/v                | volume : volume  |
| vvm                | volume per volume per minute   |
| wt.                | weight   |
| w/v                | weight : volume  |
| w/w                | weight : weight  |

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**TABLE 3.** Abbreviations for chemical compounds (these abbreviations may be used without definition).

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|                         |   |
|-------------------------|---|
| ADP                     | adenosine 5'-diphosphate                    |
| AMP                     | adenosine 5'-monophosphate                  |
| ATP                     | adenosine 5'-triphosphate                   |
| ATPase                  | adenosine triphosphatase                    |
| CoA                     | coenzyme A                                  |
| DNA                     | deoxyribonucleic acid                       |
| cDNA                    | complementary DNA                           |
| DNase                   | deoxyribonuclease                           |
| EDTA                    | ethylenediaminetetraacetic acid             |
| FAD                     | flavin adenine dinucleotide                 |
| FMN                     | flavin mononucleotide                       |
| NAD, NAD <sup>+</sup>   | nicotinamide adenine dinucleotide           |
| NADH                    | reduced NAD                                 |
| NADP, NADP <sup>+</sup> | nicotinamide adenine dinucleotide phosphate |
| NADPH                   | reduced NADP                                |
| RNA                     | ribonucleic acid                            |
| mRNA                    | messenger RNA                               |
| rRNA                    | ribosomal RNA                               |
| tRNA                    | transfer RNA                                |
| RNase                   | ribonuclease                                |
| SDS                     | sodium dodecylsulfate                       |
| Tris                    | Tris (hydroxymethyl) aminomethane           |

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