

# *Ceylon Journal of Science*

## **AUTHOR GUIDELINES**

The Ceylon Journal of Science publishes original research articles, invited lead articles, review papers, short communications, case studies, book reviews, research notes, opinions, commentaries and notes. Manuscripts written only in English are accepted.

### **Submission Charges/Article Processing Charges**

Ceylon Journal of Science does not levy article submission charges or article processing charges from authors.

### **Peer Review Process**

The submission of a manuscript will be taken to imply that the work is original, and it or a similar paper (other than an abstract) has not been, and will not be submitted elsewhere for publication. The content of the manuscript is the sole responsibility of the authors.

All manuscripts are peer reviewed. This journal uses double-blind review, which means that both the reviewer and author identities are concealed from the reviewers, and *vice versa*, throughout the review process. Authors must provide names of three potential referees with complete postal and e-mail addresses. However, the editors are not obliged to use the services of referees provided by authors. All manuscripts will be reviewed by two experts in the area of specialization concerned. If there are discrepancies between the comments of the two reviewers, the manuscript will be sent to a third reviewer before taking the final decision. The comments of the reviewers will be sent to the authors and the authors are expected to submit the revised version within three weeks of receiving the comments.

### **Preparation of manuscripts**

Manuscripts must be typed using Times New Roman, font size 12 in double space throughout Title page, Abstract, Text, References and Tables. Indicate the authority for all Latin names only once, when the name is first mentioned in the text. All abbreviations should be spelt out at first mention in the abstract as well as in the text body. Thereafter, only these abbreviations are to be used.

**Full length original research papers** should include the following: Title page, Highlights, Graphical Abstract, Abstract, Key words, Introduction, Materials and Methods, Results and Discussion, Conclusion, Acknowledgement of sources of funding, Statement of Conflict of Interest, References, Tables and Figures. The maximum number of words for a research article is limited to 10,000, including figures, tables and references. Each Table and Figure will be counted as 400 words.

**Review papers** should include an Abstract, an Introduction that outlines the main points, text under brief sub headings and References. Review papers are generally limited to a maximum of 20,000 words including figures tables and references. Each Table and Figure will be counted as 400 words. It is a requirement that the reference list of a review article should carry at least five articles related to the research area concerned published by the author of the manuscript. Longer manuscripts, such as Checklists, will be considered by the Editorial Board only under exceptional circumstances, based on the scientific contents.

**Short communications** should contain novel findings written in the form of a concise, independent report representing a significant contribution to the field of study. It should be written under the subheadings as in a research paper but should include only few key references. It may include a 1-2 tables or figures and the word count should be confined to a maximum of 3,500.

**Research notes** briefly explain new research findings. The word count should not exceed 2000 words.

**Reviews of scientific books** should be comprehensive and should not exceed 2000 words.

**Opinion** should be written on a topical theme in the form of a concise, independent report. It should not exceed 1500 words.

**Commentaries and notes** should address personalities and institutions of importance, appreciations and obituaries. A commentary/note should not exceed 2000 words. Photographs can be included.

Each article should carry an authors' statement of any conflicts of interest and acknowledgement of sources of funding for the research.

**The authors must provide the ORCID (Open Researcher and Contributor ID) number of the corresponding author of the manuscript at the time of article submission.**

When submitting a regular research paper, authors should make sure to arrange the documents in the following order.

## **1. Title page**

Title page should be a separate document giving the Article type, Title, name(s) of authors(s) and complete postal address of the institution(s) where the work was carried out. Surname(s) of the author(s) with initials should be provided. Title should be concise, informative and typed in 'Sentence case' bold letters. Author affiliations should be given in separate lines. The email address, telephone number and the ORCID number of the corresponding author should also be provided.

## **2. Highlights**

Highlights consist of short sentences of 3 to 5 bullet points that convey the core findings of the

article. Each bullet point must contain a maximum of 85 characters, including spaces.

### 3. Graphical abstract

A Graphical Abstract is a pictorial and visual summary of the main findings of the article. This could either be a figure that is especially designed to convey the main findings of the article or one of the important figures from the article. It should capture the content of the article for readers at a single glance.

The Graphical Abstract will be displayed only in the online version of the article, but will not appear in the printed version.

### 4. Main manuscript

The lines and pages of the main manuscript should be numbered. The main manuscript should contain the following.

**Title:** Title should be concise, informative and typed in ‘Sentence case’ with bold letters. Authors’ names and affiliations should **not** be given in the main document.

#### **Abstract and Keywords**

Abstract for regular research papers and review papers must not be more than 200 words and for short communications not more than 100 words. It should be presented as a single paragraph and state clearly the main findings of the research and their relevance. The abstract should be followed by a list of up to 5 **key words**. Key words should be separated by a semicolon (;).

#### **INTRODUCTION**

The text should begin on a new page and arranged according to the guidelines given above. Literature in the text should be cited with only the surname(s) of the author(s) with initials followed by year. If there are several publications by the same author(s) in the same year use a, b, c, etc. after the year. For two authors, use both names, and *et al.* should be used for three or more authors. The current status of the research area and the importance and relevance of the work presented and the novelty of the research findings should be highlighted. The metric system must be used and SI units where appropriate.

#### **EXPERIMENTAL/MATERIALS AND METHODS**

Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference; only relevant modifications should be described.

#### **Care and Use of Human and Animal Subjects**

Any research that involves animals should follow established standards for the humane care and use of animals and must specify which standards were used. When studies involve human or animal subjects the researchers have to obtain prior ethical clearance from respective ethical clearance committees. Also, the manuscript must include (under Materials and Methods section) the names of Institutions and the Permit number of permits/ethical clearance certificates obtained from the respective Institutions/ethical clearance committees.

## RESULTS

Results should be clear, concise, and written in the past tense. Figures, Graphs, Photographs and Tables can be used as appropriate. These should be placed by the authors in the appropriate place in the Manuscript.

## DISCUSSION

This should explore the significance of the results of the work, not repeat them, and be written in the present tense. A combined Results and Discussion section is often appropriate. Avoid extensive citations and lengthy discussions of published literature.

Experimental Methods, Results and Discussion sections can have sub-headings.

## CONCLUSIONS

The Conclusions should stand alone as a separate section.

## 5. Figures, Graphs and Photographs

Ceylon Journal of Science encourages authors to submit two sets of figures, graphs and photographs. First set can have coloured and black and white items as decided by the authors and will be used in the **online version** only. These items must be properly numbered and placed in their appropriate places in the main manuscript. A colourful Graphical Abstract must accompany the article on a separate page.

The second set of figures, graphs and photographs should be sent as a separate file, properly numbered and can have the minimum number of coloured items. The rest has to be black and white. Figures should be designed using black and white patterns and fill effects as much as possible. Colour figures and colour photographs should be used only if colours are essential to convey the meaning. For histograms, only black and white and grey columns must be used.

These will be used for the **printed version** of the journal.

Authors should keep in mind the dimensions of a printed page (A4) when preparing Figures Graphs and Tables in their manuscript. All illustrations (maps, graphs, drawings and photographs) are considered as figures, and should be numbered in consecutive order in Arabic numerals as Figure 1, Figure 2 etc. Legends (Caption) for figures should be concise, self explanatory and have sufficient information to make it intelligible without reference to the text. Graphs drawn in Excel should be sent separately as an Excel file. Photographs should have a high resolution/600dpi).

### Graphs

Graphs must be of high standard and good quality. Graphical lines (plots) may be indicated by solid, pecked or dotted lines while solid or open circles, squares, triangles and inverted triangles may be used to denote points. The minimum resolution of line drawings should be 600 dots per inch (dpi). Where applicable, a metric scale should be indicated in each graph.

### Photographs

All photographs should be of high resolution (600 dpi), in black and white or colour. They should be trimmed to show only the essential features and should be forwarded only in the form of *jpg* or *tiff* images.

## 6. Tables

All the Tables should be numbered in Arabic numerals as Table 1, Table 2 etc.. The number of tables should be limited as much as possible and tables should not repeat data available elsewhere in the manuscript. They should carry the caption (above the Table) and footnotes to the table (below the table).

## 7. Equations and Units

Authors are strongly encouraged to use equation editor to write ionic species and mathematical equations. Chemical names, equations, mathematical usage, units of measurements, chemical and physical quantity & units must conform to SI and Chemical Abstracts or IUPAC.

All measurements should be reported only in International System of Units (SI).

## 8. References

List all references cited in the text in alphabetical order, giving the name (title) of the journal in full. List the names of all authors in the reference. The references are structured in the order: author's surname, initials, year of publication (in parentheses), title of paper, name of journal (in italics), volume number (bold), issue number (within brackets) and first and last page numbers. References should be arranged in the alphabetical order according to author(s) name(s) and if there are more than one publication by the same author(s) in the same year, a, b, c, etc. should appear after the year.

DOIs of each reference must be provided where available. Book titles should be in Italics, and followed by publisher, place of publication and page numbers.

### Research article

#### When the articles has an issue number

Arines, J., Vilorino, A. and Saing, M. (1989). Effect of different inocula of VAM fungi on manganese content and concentration in red clover plants. *New Phytologist* **112**(2): 215-219.

#### When the articles does not carry an issue number

Dissanayake, M.A.K.L., Jaseetharan, T., Senadeera, G.K.R., Thotawatthage, C.A. (2018). A novel, PbS:Hg quantum dot-sensitized, highly efficient solar cell structure with triple layered TiO<sub>2</sub> photoanode. *Electrochimica Acta* **269**:172-179  
DOI <https://doi.org/10.1016/j.electacta.2018.02.140>

### Book

Humason, G. L. (2003). *Animal Tissue Techniques*. W. H. Freeman and Co. San Francisco, 468

### Book chapter

Lapage, S. P., Shelton, J.E. and Mitchell, T.G. (1970). Media for the maintenance and preservation of bacteria. In: J.R. Norris and D.W. Ribbons (Eds.), *Methods in Microbiology*, Academic Press, London Pp. 1-133.

### Proceedings of Symposia

Wild, B. (1993). Cycloheximide and phosphonate effects on the susceptibility of citrus fruit to green mold decay. *Proceedings of International Symposium on the Physiological Basis of Postharvest Technologies, Davis, California*, Pp.353-356.

### **Internet resources**

Author (2002). *Title of website, database or other resources*, Publisher name and location (if indicated), number of pages (if known). Available from: <http://xxx.xxx.xxx/> (Date of access).

## **SUBMISSION OF MANUSCRIPTS**

**All the authors who submit manuscripts to Ceylon Journal of Science are strongly requested to follow the Instructions to Authors. Manuscripts that are not prepared according to the instructions given by the journal will be rejected without further processing.**

### **Author's requirement to sign in ORCID**

Authors need to sign up for ORCID and submit their ORCID numbers to the journal at the time of submission of the manuscript. More information on ORCID is available is at <https://orcid.org>

The corresponding author should submit a soft copy of the manuscript (in word format) by email to Managing Editor along with the signed Copyright Transfer Agreement (can be downloaded from the CJS website (<http://www.pdn.ac.lk/cjs/docs/copyright.docx>) signed by all authors. Where relevant, the author(s) should provide evidence for an ethical clearance certificate obtained for using humans or animals in the experiment(s) that are included in the manuscript.

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