

# *The IIS University Journal of Science and Technology*

## **Instructions to Authors**

*The IIS University Journal of Science and Technology (JOST)* (Print ISSN 2319-2607; Online ISSN:2583-0856) welcomes the submission of papers presenting original research in the field of Science and Technology (including Biotechnology, Microbiology, Zoology, Botany, Chemistry, Physics, Environmental Sciences, Mathematics, Statistics, Home Science, Computer Science, Geography, and Psychology). Papers are peer-reviewed, in consultation with our Editorial Board. Scholars interested in publishing their work in JOST are urged to carefully read the detailed instructions, publication ethics policy and publication policy before submission.

### **Categories of Manuscripts**

Manuscripts are invited in the following categories:

- **Research Article** (not exceeding 4000 words) - The paper should describe recent and confirmed findings. The manuscript should not be submitted elsewhere for publication.
- **Short Communication** (not exceeding 2000 words, not more than 4 display items, tables and figures)- it should contain important new findings that are novel and of fairly broad interest for dissemination. The article should not be divided in to different sections. It should include a brief abstract main body and references.
- **Review** (not exceeding 6000 words)-A review paper is expected to provide a summary of the latest developments of the current state of research in a given topic, with recommendations for future research directions. It should be well focused and organized, and avoid a general 'textbook' style.
- **General articles/Opinion (not exceeding 4000 words, 4 display items, tables and figures)**- They should discuss current trends in research in a field that would be of interest to readers outside the field. These include interdisciplinary topics, science policy and science administration, some aspects of the application of science and technology to human needs or the impact of science and technology on society/ecosystems/life. The articles should include an abstract, introductory paragraph, brief subheads at appropriate places, illustrations that will help a general reader, and references.

- **Research News/notes** (not exceeding 2000 words and 3 display items)- they intend to inform non-specialists about recently published advances or important findings.

### **Manuscript Preparation**

The manuscript should be typewritten in English (Times New Roman-12 font size), double-spaced, with one inch margins on all sides. The pages should be numbered consecutively throughout the paper. Illustrations and other materials to be reproduced from other publications must be properly credited. Wherever appropriate, research based on human or animal subjects should be approved by authorized committee/body to conduct such research/experiment. Manuscript should be divided in to following sections:

- **Title:** as short as possible, with no uncommon abbreviations or acronyms.
- **Author information:** It should have the name(s), affiliation(s) of the author(s). e-mail address of the corresponding author should be mentioned. If available, the 16-digit ORCID of the author(s) should also be mentioned.
- **Abstract:** should be factual and precise and less than 150 words. It needs to briefly cover the aim of your research, the methodologies used and what you concluded. Avoid including references. If essential, then cite the author and year. Avoid using uncommon abbreviations. If unavoidable, then define at the first mention in the abstract.
- **Keywords:** approximately 5-6 relevant keywords should be provided to improve the findability of article in online search engines and indexes.
- **Introduction:** It should clearly define your objectives and rationale for the study, supported briefly with adequate existing literature.
- **Material and Methods:** It should provide the details of the workplan and methodology used to carry out research work. Well established methods that are already known should be summarized and proper reference should be cited for it. Use quotation marks if quoting a method directly from previously published work and cite the appropriate source. If any modifications are made to existing protocols, then they should also be described.
- **Results and Discussion:** The results attained through the course of one's experimental research should be concise and written clearly. Well-constructed

tables, graphs, clear pictures and illustrations should be used wherever necessary to describe results. Results should be clubbed with discussion that highlight the most significant findings and explain how the results obtained answers the research question raised at the beginning of the paper. Authors can also consider comparing and contrasting one's results with the results of similar experiments conducted by others previously.

- **Conclusion:** It should include significant results of the study, limitations and possible future applications of the work.
- **References and Notes:** The Journal follows Harvard (name and date) short reference system for citations in the text with a detailed alphabetical list at the end of the article. References should be cited chronologically in the text by the author and date. Multiple references from the same year should be cited alphabetically. In the text, the names of two coauthors are linked by 'and'; for three or more, the first author's name is followed by '*et al.*'. It is imperative to ensure that all works cited in the text are included in the References section. Footnotes should be avoided, but any short, succinct notes making a specific point may be placed in number order following the alphabetical list of references. References should be made only to works that are published, accepted for publication (not merely "submitted"), or available through libraries or institutions. Any other source should be qualified by a note regarding availability.
- Full reference should include all authors' names and initials, date of publication, title of article, title of publication, volume and issue number (of a journal), publisher and form (books, conference proceedings) and page numbers.

The examples of references are as follows:

- **Journal article**  
Gamelin, F.X., Baquet, G., Berthoin, S., Thevenet, D., Nourry, C., Nottin, S., Bosquet, L., 2009. Effect of high intensity intermittent training on heart rate variability in prepubescent children. *Eur. J. Appl. Physiol.* 105, 731-738.
- **Article by DOI**  
Slifka, M.K., Whitton, J.L., 2000. Clinical implications of dysregulated cytokine production. *J. Mol. Med.* <https://doi.org/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. (Eds.), The rise of modern genomics, 3rd edn. Wiley, New York, NY, pp. 230-257.

- **Online document**

Cartwright, J., 2007. Big stars have weather too. IOP Publishing PhysicsWeb. URL <http://physicsweb.org/articles/news/11/6/16/1>. (Accessed 6.26.07).

- **Dissertation/ Thesis**

Trent, J.W., 1975. Experimental acute renal failure. Dissertation, University of California.

Always use the standard abbreviation of a journal's name according to the ISSN List of Title Word Abbreviations, see [www.issn.org/2-22661-LTWA-online.php](http://www.issn.org/2-22661-LTWA-online.php)

- **Tables**

Tables should present new information rather than duplicating what is in the text. Readers should be able to interpret the table even if presented separately from the text.

- Tables should be included as separate sheets in their original, editable format (eg in Microsoft Word or Excel).
- Ensure that each table is cited within the text of the manuscript and placed at the end of the text, rather than interspersed in the text.
- All tables must be numbered consecutively in Arabic numerals in the order of appearance in the text.
- A short descriptive title should appear above each table.
- All units must be included.
- Table footnotes should be separate from the titles, and included beneath the table to which they apply.
- If using indicators for footnotes, please use superscript letters (a, b, c). These letters should follow alphabetical order from the top left of the table to the bottom right.
- When submitting multiple tables, consistency in presentation is advised.

- **Figures**

All illustrations, whether diagrams or photographs, are referred to as Figures.

- All figures must be numbered consecutively in Arabic numerals in the order of appearance in the text.
  - Ensure that each figure is cited within the text of the manuscript.
  - Photographs/Figures should be in JPEG/TIFF format with high resolution and graph should be provided on separate excel sheet.
- **Acknowledgements**  
Acknowledgements (if any) should be mentioned in a separate section at the end of the article before the references.
  - **Funding**  
Mention if any grants for conducting study are received from any from funding agencies in the public, commercial, or not-for-profit sectors.
  - **Conflict of Interest**  
Corresponding author should declare conflict of interest (financial or personal, if any), on behalf of all the authors of a submission.

### **Submission of Article**

Softcopy of the manuscripts, along with cover letter and copyright form (**which can be downloaded from our website <http://iisjost.org/>**) should be submitted through mail at [jost@iisuniv.ac.in](mailto:jost@iisuniv.ac.in).

Authors are also advised to refer our Previous Issues to confirm that it follows the Journal's convention for headings, tables, illustrations, style, references, and general form. Manuscripts submitted that do not adhere to the prescribed format will be rejected.

A covering letter must accompany the submission and should include the name, address, fax and telephone numbers, and email address of the corresponding author and co author(s).

After a manuscript has been accepted, PDF proofs will be made available to the authors in due course. Authors should notify the editors about minor corrections (if any) in the proof with in the given time frame so that it can be rectified.

All the information related to the Journal is available on the website and can be accessed at the link: <http://iisjost.org/>

