



# JOURNAL OF INSTITUTE OF SCIENCE & TECHNOLOGY

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22 June 2020

### Subject : Call for research article.

The editorial board of JIST would like to request all the interested researchers to send their research/review articles for publication in Journal of Institute of Science and Technology published by Office of Dean, Institute of Science and Technology as per the attached guidelines in the email address [journal@iost.tu.edu.np](mailto:journal@iost.tu.edu.np), [jistiost@gmail.com](mailto:jistiost@gmail.com) or [jist@tuiost.edu.np](mailto:jist@tuiost.edu.np) by 1 September 2020. Preference will be given to the articles related to covid-19.

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## INSTRUCTION TO AUTHORS

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### SCOPE

*Journal of Institute of Science and Technology (JIST)* is a peer-reviewed multidisciplinary science journal published by Institute of Science and Technology (IOST), Tribhuvan University (T.U.), Kathmandu, Nepal. It is published in two issues a year (the first issue: January-June and the second issue: July-December). JIST publishes original research papers, review articles, short communications/reports/notes/comments and letters to the editor on all topics of different subjects of Science and Technology viz. botany, chemistry, computer, environment, geology, hydrology/meteorology, mathematics, microbiology, physics, statistics, zoology and allied fields. JIST is indexed in NepJOL (<https://www.nepjol.info/index.php/JIST>) and is ranked as TWO STARS by INASP Journal Publishing Practices and Standards (JPPS).

*Authors are kindly requested to check final paper thoroughly before submitting – that you have fulfilled all requirements stated in the instructions.*

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- *The length of the paper including tables and figures should preferably not exceeding 5-10 typed pages for original article and 3-4 pages for short communications.*
- *The manuscript in word file with table(s) and figure(s) inserted in the main text in appropriate position but high quality JPEG or TIFF files should be sent separately.*
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- *Language should be precise, clear without redundant words.*
- *Binomial names of organisms should be spelled full in the first use.*

### Instructions for preparing manuscripts

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A full-length paper should normally be divided into the following parts: Title, Authors' names and corresponding address with email. ABSTRACT, **Keywords** (5 words), INTRODUCTION, MATERIALS AND METHODS (or MODELS AND DATA), RESULTS, DISCUSSION (or RESULTS AND DISCUSSION or APPLICATIONS), CONCLUSION, ACKNOWLEDGEMENTS, REFERENCES and ANNEXURES if any

**Title:** Titles should indicate the content of the manuscript, serve as a guide to reference librarians, and facilitate communication. It should be concise, meaningful, and clear. Subtitles may be used whenever needed.

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**ABSTRACT:** Abstract should be understandable by itself, and briefly explain the main messages of the paper. It must contain experimental question, method, major findings and conclusions not exceeding 250 words.

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**RESULTS:** Results should be stated concisely, do not interpret your findings.

**DISCUSSION:** Differentiate the results of your study from data obtained from other secondary sources. Interpret your results, relate them to the results of previous research, and discuss the implications of your results.

**CONCLUSION:** State clearly the main conclusions of the research and give a clear explanation of the importance and relevance.

**ACKNOWLEDGEMENTS:** Acknowledge only those who have made an important contribution to the study. Many contributions justify acknowledgement such as technical help, financial support, sources of materials, and persons who have contributed intellectually to the development of the manuscript. Do not acknowledge anyone who has no contribution.

**REFERENCES:** List all cited References alphabetically. A blank line should be inserted between two references.

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The tables and figures should be clearly marked with self-explanatory notes and figure legends. Figure and table captions should be given below and above respectively. Figures and illustrations should be in JPEG/TIFF (at least 300 dpi resolution) format. Each figure and table should be linked with the text. Figure and Table number should be in sequence, using Arabic numerals – i.e. Fig. 1. 2., 3., etc., Table 1., 2., 3., etc.). Equations should be written in Equation Editor/Math Type. They should be clearly numbered. All the new symbols must be clearly explained.

Metric units: for all kind of measurements would be preferred.

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#### **References**

##### *Journal*

Surname, Given Name Initial. Second Name Initial (if any). Published Year in bracket. Paper Title (sentence case). *Full Journal Name* (*italics*), Volume No.(Issue No.), (blank space) xx-xx (page ranges without spacing).

Aryal, T. R. (2014). Population projection under changing fertility conditions. *Journal of Institute of Science and Technology*, 19(2), 86-88.

Ghale, D. B., Bohara, N. B., Duwal, N., & Bhattarai, J. (2019). Investigation on the mineralogical phase of ancient brick samples of Kathmandu valley (Nepal) using XRD and FTIR analysis. *Rasayan Journal of Chemistry*, 12(2), 402-408.

##### *Book*

Gotelli, N. J., & Ellison, A. M. (2004). *A primer of ecological statistics*. Sunderland, Massachusetts, USA: Sinauer Associates, Inc.

##### *Edited Book*

Sutherland, W. J. (Ed). (2006). *Ecological census techniques: A handbook* (2<sup>nd</sup> ed.). Cambridge, United Kingdom: Cambridge University Press.

##### *Book Chapter*

Ohtsuka, T. (2007). Introduction to Corrosion Engineering. In T. Akiyama, M. Iguchi, K. Kurokawa, K. Matsuura, T. Mohri, S. Ohnuki, ...S. Ukai (Eds.), *Frontiers of materials science* (pp. 129-150). Tokyo, Japan: Ohmsha, Ltd.

##### *Report*

Bhattarai, J. (2019). *Investigation on physico-chemical and sintering properties of ceramic tiles and bricks available in local market of Kathmandu Valley*. The University Grants Commission-Nepal, Sanathimi, Bhaktapur, Nepal. p. 121.

##### *Conference paper*

Swar, D. B. (2008). History of rainbow trout (*Oncorhynchus mykiss*) introduction in Nepal. In T. B. Gurung (Ed.), *Proceedings of 1<sup>st</sup> national workshop on scaling up rainbow trout (Oncorhynchus mykiss) farming strategies in Nepal* (pp. 21-24), Kathmandu, Nepal. Retrieved from [www.researchgate.net/publication/233733112](http://www.researchgate.net/publication/233733112).

##### *Thesis/Dissertation*

Bhattarai, J. (1998). *Tailoring of corrosion-resistant tungsten alloys by sputtering* (PhD Thesis). Department of Materials Science, Faculty of Engineering, Tohoku University, Japan.

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3. Where available, URLs for the references have been provided.
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6. If submitting to a peer-reviewed section of the journal, the instructions in [Ensuring a Blind Review](#) have been followed.

**Peer Review Process**

Following the submission of manuscript to the journal, the editorial board will check whether the submitted manuscript is appropriate for journal or not. The chief editor will assign the article to reviewer corresponding to the expertise of the reviewer. Generally the article is sent to two reviewers; however in the situation where it is deemed necessary, third reviewer will also be assigned. The reviewers are given two weeks period for reviewing the article. Double blind peer review is applied for the article submitted by the author within the country while as single blind peer review is applied for the submitted article by the author outside the country. Once the author submits the corrected paper addressing the reviewers comment, it will be sent to the corresponding reviewers again to decide whether the manuscript has potential for acceptance. Authors should incorporate all questions or should defend (clarify) reviewers' comments. However the final decision to accept paper for publication is taken by the chief editor.

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- The manuscript makes compelling arguments/presents interesting and innovative findings or proposes ideas or views based on a thorough research and substantive analysis of data/primary sources/secondary sources, etc.
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- The manuscript is based on research and uses credible scholarly sources; if based on primary research, it has adapted the reliable methods of sampling, selection and interpretation of the data presented.
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- The writing is effective, interesting and good enough to merit publication in an academic research journal.
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