

Journal of Current Research in Science and Technology

Research and Publication Ethics

Authors are mandatorily follow the ethical guidelines of the journal.

Structural Data

For paper related with structure of biological macromolecules, the atomic coordinates and related experimental data must be deposited at a member site of World Wide Protein Data Bank, RCSB, MSD-EBI, PDBj or BMRB. Paper must carry a statement that coordinates and structure factors (NMR restrains) have been deposited in Protein Data Bank.

NMR Assignments for Macromolecules

Table listing resonance assignments will not be published in journal. However, resonance assignments may be submitted in separate CD to editor.

Submission declaration and Verification

Submission of an article implies that the work described has not been published previously (except in form of abstract or as a part of published lecture or academic thesis), that it is not under consideration for publication elsewhere, that publication is approved by all authors and tacitly by responsible authorities where work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in another language without the written consent of copyright-holder.

Copyright

Upon acceptance of an article, author will be asked to complete a 'Journal Publishing Agreement'. An e-mail will be sent to the corresponding author confirming acceptance of the manuscript together with a "Journal Publishing Agreement" form.

Language

Manuscript should be written in good English (American or British usage is acceptable, but not a mixture of both). Editorial board is not supporting any language correction either free or payment basis.

Submission of Manuscript

Article to this Journal is submitted by e-mail attachment to Editor-in-Chief (neast2018@gmail.com) or uploaded on the Mizoram University website (www.mzu.ac.in). Hard-copy submission is strictly not acceptable. Soon the online submission system will be developed and all the manuscripts must be submitted through the online system only.

Permissions

Authors wishing to include figures, tables, or text passages that have already been published elsewhere are required to obtain online permission from the copyright owner(s) for both the print and online format and to include evidence that such permission has been granted when submitting their papers. Any material received without such evidence will be assumed to originate from the authors.

Peer Review

This journal manages a single blind review process. All the submitted manuscripts will be initially assessed by the editor for suitability for the journal. Papers found suitable are then sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper and seek the critical evaluation of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles once receiving the comments from the reviewers'. The Editor's decision is final. A list of 3 potential reviewers with their name, address and e-mail addresses must be submitted along with the manuscript. However, the editor retains the sole right to decide whether or not the suggested reviewers are used.

Article Structure

Subdivision - numbered sections

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

Introduction

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

Material and Methods

Provide sufficient details of methodology as to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.

Results

Results should be clear and concise.

Discussion

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

Conclusions

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

Appendices

If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A

Preparation of Manuscript

Manuscript should be submitted in the file format of Microsoft Word 2003 or higher version. Manuscript should be formatted in A4 size, double spaced, using a font size of 12 with margins of 2.5 cm on each side and 3 cm for the upper and lower ends. Pages are to be numbered consecutively, beginning with the title page. Page number should be placed at the middle of the bottom of each page. The text should be in single column format. The layout of the text should be kept as simple as possible. However, formatting tools as bold face, italics, subscripts, superscripts etc. are to be used as per requirement. Figures and tables may be embedded in the running text or may be submitted separately. Use the table function, not spreadsheets, to make tables. Use the equation editor or MathType for equations. Manuscripts with mathematical content can also be submitted in LaTeX. LaTeX macro package (zip, 182 kB)

To avoid unnecessary errors Authors are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

Statistical Expression

Mean and standard deviation should be described as mean \pm SD, with mean and standard error as mean \pm SE. P value should be described as $P < 0.05$.

Units

The SI system must be used for all dimensional quantities. For time unit use 'sec', 'hr', 'day', 'wk', 'sun' and 'yr'. Use one space between unit and number except %, '°', '°C'. Use mg/L instead mgL^{-1} . All equations should be numbered in Arabic numerals.

Title Page

The title page should include:

Title: A concise and informative title of the paper is to be given. Non Standard and uncommon abbreviations and formulae must be avoided.

Author names and affiliation: The affiliation(s) and address(es) of the author(s) is to be included. Name of each author starting with first name followed by last name should be written. Example: Suresh K. Tripathi, Zao P. Liu. Clearly indicate family name, if it is ambiguous. If some authors have different affiliations, use numbers as superscript 1, 2, 3... after the surname of authors and before the name of their affiliation.

Corresponding author: Corresponding author should be clearly indicated by asterisk (*). Telephone and fax numbers should be essentially provided in addition to the e-mail address and complete postal address.

Abstract

Abstract should be brief and factual and preferably should not exceed a limit of 250 words. State briefly, the purpose of the work, main and significant results and major conclusions. Abstract must be standing alone and references should not be included. Non- standard and uncommon abbreviations should not be included. Abbreviations should be defined at first mention and used consistently thereafter.

Keywords

At the end of Abstract, 6 to 8 Keywords should be provided. It is suggested that avoid general and plural terms and multiple concepts (Example: 'and', 'of'). Abbreviations should not be included as key words. Words which are already in title should not be listed as keywords.

1. Introduction

Introduction should be written for the general reader of the journal, not for the specialist. State the objective of the work and provide adequate background, avoid a detailed literature survey or a summary of the results. Introduction should be made very concise and, informative and avoid to add sub-headings.

2. Materials and Methods

Sufficient details should be provided for reproducibility of work. This section should describe the techniques utilized in the work, making clear the protocol of the study. Methods already published should be indicated by appropriate reference(s), and only modification, if any, should be given. The manufacturer, model number, chemicals should be clearly mentioned. When appropriate, statistical tests should be described and supported by a reference to the original citation of the test.

3. Results and Discussion

Detailed results should be included clearly. Generally positive results should be included. Sub-headings should be avoided. Significance of results of work should be discussed and repeat of result should be avoided. The excessive citations and discussion of published literature is not suggested. Discussion may also be combined with Result under section “Results and Discussion”.

4. Conclusion

A short ‘Conclusion’ section should be included for major findings of the study. Conclusion should be based on the evidence presented in the paper. Conclusion section may stand alone or as a sub-section of Discussion.

Acknowledgements

Acknowledgments of people, grants, funds, etc. should be placed in a separate section on the title page. The names of funding organizations should be written in full.

Data base and Accession Number

Relevant unique identifiers or accession number (Bioinformatics) linking to genes, proteins, diseases or structures deposited in public data bases, these entities must be indicated in standard format (Example: GeneBank ID:BA123456).

Electronic art works

Please submit usable black and white illustrations, each as a separate file. All tables and figures (both numbered in Arabic numerals) must be quoted in the text as Figure and Table, and numbered according to their sequence. Legends should be placed in the white space of the drawing, not in the caption. If ‘pie’ or ‘bar’ charts are to be shown, use patterns for different pie slices or bars instead of color. Image should be produced near to desired size of the printed version. Regardless of application used, please “save as” or convert the images to one of the following format:

EPS: Vector drawing. Embed the fonts or save the text as “graphics”.

TIFF: Colour or gray scaled photographs (half-tone). Use a minimum of 300 dpi.

TIFF: Bitmapped drawings: use a minimum of 1000 dpi.

TIFF: Combinations bitmapped/half-tone (colour or gray scale): use a minimum of 500 dpi.

Illustrations created in Microsoft office application (word, power point, excel) can be send “as is”. Please do not send the files that are optimized for screen use (Example: GIF, BMP, PICT, WPGJ, JPG, PDF etc.).

Black and white illustrations will not be charged. However, coloured illustrations will be charged. Authors have to pay applicable charges at the time of paper acceptance.

Figure captions

Supply captions separately, not attached to the figure. A caption should comprise a brief title and a description of the illustrations.

Table

Number tables in accordance of appearance in the text. Place footnotes to table below the Table body and indicate them with superscript lower case letters. Data presented in table do not duplicate results described in section 'Result' in the article.

References

Citation in text:

References cited in the text should be essentially presented in the reference list. Cite references in the text by square brackets in line with the text.

Example: requires less biomass for cultivation [1]. Hyen and Kim [2] demonstrated conversion..... Many researchers focused on the effect of light on... [3,4,5]

List: Number the references (numbers in square brackets) in the list in the order in which they appear in the text.

Reference list:

Examples:

Reference to a journal publication:

[1] Y. Xi, R.L. Frost, H. He, T. Klopogge, T. Bostrom, Modification of Wyoming montmorillonite surfaces using a cationic surfactant, *Langmuir* 21 (2005)8675–8680.

Reference to a journal publication with an article number:

[2] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, 2018. The art of writing a scientific article. *Heliyon*. 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>.

Reference to a book:

[3] A.O. Shah, *Improved Oil Recovery by Surfactant and Polymer Flooding*, Elsevier, 2012

Reference to a chapter in an edited book:

[4] N. Erdmann, M. Hagemann, Salt acclimation of algae and cyanobacteria: a comparison, in: L.C. Rai, J.P. Gaur (Eds.), *Algal Adaptation to Environmental Stresses: Physiological, Biochemical and Molecular Mechanisms*. Seconded. Springer-Verlag, Berlin, 2001, pp. 323-362

Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [6] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

Review papers

Previously published material should be incorporated into an integrated presentation of our current understanding of a topic. Topic of scientific consensus as well as topics that remain controversial may be dealt with in the reviews. A review may be organized as follows: title page, introduction, body text, conclusion, acknowledgements, references, tables and figures, and figure legends.

**NORTH EAST ACADEMY OF SCIENCE AND TECHNOLOGY (NEAST)
MIZORAM UNIVERSITY**

Founder Honorary President

Prof. K. R. S. Sambasiva Rao

Vice Chancellor, Mizoram University, Tanhril, Aizawl

President

Prof. R. Lalthantluanga (Former VC, Mizoram University)

Vice President

Dr. Tawnenga

Principal PUC, Aizawl

General Secretary

Prof. Diwakar Tiwari

Mizoram University, Tanhril, Aizawl

Treasurer

Prof. Lalnuntluanga

Mizoram University, Tanhril, Aizawl

Editor of Publications

Prof. S. K. Mehta

Mizoram University, Tanhril, Aizawl

Executive Members

Prof. L. Lolit Kumar Singh

Prof. R. C. Tiwari

Prof. Shiva Kumar

Prof. N. Senthil Kumar

Prof. G. Gurusubramanian

Prof. G. S Solanki

Prof. Lalnilawma

Dr. Zodinpuia Pachuau

Dr. Niladri Pratab Maity

Dr. H. Lalhruitluanga