



National Journal of Biological Sciences (NJBS)

Women University Mardan
Bi-Annual peer Reviewed Research Journal



Phone No: [\(0937\) 872201](tel:0937872201)

E-mail: njbs@wumardan.edu.pk

Peer review:

This journal operates a single blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final.

Article Structure:

Essential title page information

Title

- Concise and informative.
- Titles are often used in information-retrieval systems.
- Avoid abbreviations and formulae where possible.
- Author names and affiliations.
- Where the family name may be ambiguous (e.g., a double name), please indicate this clearly. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address.
- Provide the full postal address of each affiliation, including the country name, and, if available, the e-mail address of each author.
- Corresponding author.
- Clearly indicate who is willing to handle correspondence at all stages of refereeing and publication, also post-publication.
- The submitting author and the corresponding author must be the same person.
- Ensure that telephone and fax numbers (with country and area code) are provided in addition to the e-mail address and the complete postal address.
- Present/permanent address.
- If an author has moved since the work described in the article was done, or was visiting at the time, a "Present address" (or "Permanent address") may be indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

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.

Abstract

A concise and factual abstract is required (150-250 words). The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, they must be cited in full, without reference to the reference list. Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.



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Keywords

Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, "and", "of"). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes. Abbreviations Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article. Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article.

Introduction

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

Methodology

Experimental 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.

Results

Results should be clear and concise.

Figure captions

Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

Tables

Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules and shading in table cells.

Discussion

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate but can also be mentioned separately. 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.

Acknowledgements

Collect acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.)

Nomenclature and units Follow internationally accepted rules and conventions:

Use the international system of units (SI). If other quantities are mentioned, give their equivalent in SI. You are urged to consult the International Union of Pure and Applied Chemistry (IUPAC) <http://www.iupac.org/> for further information.

References/Citations

Citation in text Please ensure that every reference cited in the text is also present in the reference list (and vice versa) and should be arranged alphabetically. Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the



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standard reference style of the journal and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'. Citation of a reference as 'in press' implies that the item has been accepted for publication.

Supplementary Data

The additional data (Tables, Figures and Equations) should be provided in the supplementary data with separate numbering and identified as; Table S1, Table S2....., Fig S1, Fig S2....., Eq. S1, Eq. S2 etc.



Template:

This template can be used for preparing manuscript for NJBS journal. We think that template will be helpful in the preparing your scientific paper. Please respect following rules:

1. Whole text must be align to the both sides (left-right),
2. Whole text must be written in Times New Roman font including tables and figure, graphs and etc.
3. Whole text must be written in 12 size Times New Roman expect type of article, title of article (Bold and 14 Times New Roman),
4. The names of authors must be written in 12 size Time New Roman.
5. The gaps between lines must be set up to 0 points (before and after),
6. Gaps must be made by the keyboard key ENTER only,
7. Main sections (**TITLE, ABSTRACT, INTRODUCTION, MATERIAL AND METHODS, RESULTS AND DISCUSSION, CONCLUSION, REFERENCES** and **ACKNOWLEDGEMENT**) must be written in CAPITAL and bold 12 size Time New Roman
8. Cited references write without gaps.

INTRODUCTION

Text (normal, 12 Times new roman, left-right) for example: Text..... and animals (**Kim, 1990**). Text resistance genes (**David, 1994; Kim et al., 1998**). **Rank et al. (2008)** reported that in recent years, text..... Text..... which used **Buňková et al. (2008, 2009)** in their experiments. Text (**David, 1994a,b**).
The significance of our study was (your research).....

Note: References in the text must be bold, et al. must be in italics, see examples

MATERIAL AND METHODS

Subheadings should be used (bold 12 Times new roman, left-right)

Text (normal, 12 Times new roman, left-right) should be complete enough to allow experiments to be reproduced. However, only truly new procedures should be described in detail; previously published procedures should be cited, and important modifications of published procedures should be mentioned briefly. Capitalize trade names and include the manufacturer's name and address (just city and state). Methods in general use need not be described in detail.....text.

For example : Disk content 50 µg.disk⁻¹ or mg/disk of ampicillin, g.L⁻¹ or g/L.

RESULTS AND DISCUSSION

Subheadings should be used (bold 12 Times new roman, left-right)

Text (normal, 12 Times new roman, left-right)..... Results should be presented with clarity and precision. The results should be written in the past tense when describing findings in the author(s)'s experiments. Previously published findings should be written in the present tense. Results should be explained, but largely without referring to the literature. Tables and figure are including in the text.



Discussion, speculation and detailed interpretation of data should not be included in the results but should be put into the discussion section. The Discussion should interpret the findings in view of the results obtained in this and in past studies on this topic. State the conclusions in a few sentences at the end of the paper. The Results and Discussion sections can include subheadings, and when appropriate, both sections can be combined or can also be mentioned separately.

For example : In the seventh week remained resistance to tetracycline (43.33%) and in cases streptomycin, chloramphenicol and ampicillin decreased or remained to 0.00%. Results are shown in the figure 2.

Legend: *S* – susceptibility, *R* – resistance, *n* – no isolates, *ATB* – antibiotics (*TE30* – tetracycline, *S10* – streptomycin, *C30* – chloramphenicol, *AMP10* – ampicillin) (normal, 12 Times new roman, italic)

CONCLUSION

Text (normal, 12 Times new roman, left-right) The conclusion should include the most important idea of the experiment, the author's own findings, possible solutions to the problem, recommendations for further research, etc.

Acknowledgments: of people, grants, funds, etc should be brief.

REFERENCES

Important note: If article has a DOI number, then it must be written after cite, after dots. ITS NECESSARY!!!!

Note: DOI number must be written in format: <http://dx.doi.org/10.1088/1367-2630/1/1/006>

DOI number you can find on www.crossref.org

Example of cite from conference article:

BUŇKOVÁ, L., BUŇKA, F., DOLEŽÁLKOVÁ, I., KRÁČMAR, S. 2009. Antibacterial effect of monocaprin, undecanoylglycerol and undecenoylglycerol. *Food Safety and control* (Proceeding of the work of the International Scientific Conference) Nitra : SUA, 45-48. <http://dx.doi.org/10.1088/1367-2630/1/1/006>

Example of cite from journal article with number of issue:

BUNKOVÁ, L., PLEVA, P., BUŇKA, F., VALÁŠEK, P., KRAČMÁR, S. 2008. Antibacterial effect of commercially available phosphates on selected microorganisms. *Acta universitatis agriculturae et silviculturae mendelianae brunensis*, 56(5), 1-6. <http://dx.doi.org/10.1088/1367-2630/1/1/006>

Example of cite from journal article without number of issue:

DAVIES, J. 1994. Inactivation of antibiotics and the dissemination of resistance genes. *Science*, 264, 375-382. <http://dx.doi.org/10.1088/1367-2630/1/1/006>

Example of cite from methodology, guidelines, procedure, patent etc.:



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EFSA. 2008. Foodborne antimicrobial resistance as a biological hazard. *Draft Scientific Opinion of the Panel on Biological Hazards* (Question No EFSA– Q-2007- 089). Draft endorsed on 6 March.

Example of cite from books:

HAVLOVÁ, J., JIČINSKÁ, E., HRABOVÁ, H. 1993. Microbiological methods in quality control of milk and milk products. Praha: ÚZPI, 243 p. ISBN 80-85 120-37-2. <http://dx.doi.org/10.1088/1367-2630/1/1/006>

Example of cites in the article – normal, without gaps, alphabetically arranged, 12 Time New Roman and numbered in Roman i, ii, etc with number alignment left.

BUŇKOVÁ, L., BUŇKA, F., DOLEŽÁLKOVÁ, I., KRÁČMAR, S. 2009. Antibacterial effect of monocaprin, undecanoylglycerol and undecenoylglycerol. *Food Safety and control* (Proceeding of the work of the International Scientific Conference) Nitra: SUA, 45-48.

BUNKOVÁ, L., PLEVA, P., BUŇKA, F., VALÁŠEK, P., KRAČMÁR, S. 2008. Antibacterial effect of commercially available phosphates on selected microorganisms. *Acta universitatis agriculturae et silviculturae mendelianae brunensis*, 56(5), 1-6.

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