



# **FEDERAL UNIVERSITY OF LAFIA**

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### **About the Journal**

The Lafia Journal of Scientific and Industrial Research (LJSIR) is a peer reviewed international research journal of the Faculty of Science, Federal University of Lafia, Nasarawa State, Nigeria. The journal publishes original research papers twice a year (April and October) in all fields of Agriculture, Science, Engineering and Technology. LJSIR is dedicated to promoting research activities in a multidisciplinary approach with emphasis on contemporary issues relevant to the society at large.

### **The Guide for Authors**

Submission of a manuscript implies that the work being reported is original and that the results have neither been published previously nor under considerations for publication elsewhere. The language of communication must be in English and spellings must be consistent with British English and spelling. The journal welcomes the submission of manuscripts that meet the general criteria of significance and scientific excellence. The following types of paper are considered for publication:

- Full length paper
- Short communication
- Review articles

### **Submission of Manuscript**

Manuscript should be clearly typed in English, double line spacing on A4 format with 2.54 cm on all margins.

**Font:** Times New Roman.

**Font style:** Regular.

**Font size:** 12 points.

Authors are invited to make a submission to this journal. All submissions will be assessed by an editor to determine whether they meet the aims and scope of this journal. Those

considered to be a good fit will be sent for peer review before determining whether they will be accepted or rejected.

Before making a submission, authors are responsible for obtaining permission to publish any material included with the submission such as photos, documents and datasets. All authors identified on the submission must give consent to be identified as an author. Where appropriate, research should be approved by an appropriate ethics committee in accordance with the legal requirements of the study's country.

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### **Manuscript Sections for a Paper**

Manuscript prepared for consideration in the journal should be divided into the following sections:

#### **Title**

The title should be concise and informative. It is mandatory that the title should unambiguously reflect the contents of the paper and should not be longer than 20 words.

#### **Short Running Title**

Authors should provide a running title of not more than 12 words.

#### **Authors' Names and Affiliations**

The names (surname last) and affiliation of authors should be provided. The corresponding author should be indicated with an active email address and telephone number to receive correspondences and galley proofs.

#### **Abstract**

Every article should be provided with an abstract not exceeding 250 words. The abstract in brief should present the topic, state the scope of the experiments; indicate significant data, point out major findings and conclusion of the research work. Standard nomenclature should be used and should not contain any undefined abbreviations.

#### **Keywords**

Below the abstract, about 4 to 6 keywords should be listed in alphabetical order for indexing purposes.

#### **Introduction**

This should provide a clear statement of the problem explaining its significance and indicating why it should be of interest to scientists around the globe. The literature cited must show a clear relationship between relevant published works and the study being reported in the manuscript.

#### **Materials and Methods**

Subheadings should be employed. The authentic procedures should be described in detail while previously published procedures should be cited, and significant modifications of published procedures should be stated in brief. Statistical methods of treatment should be mentioned if they have been used.

### **Results and Discussion**

The results and discussion should be combined. The original and important findings should be stated. Previously published results should be written as in present events. Results should be explained fundamentally with its outcomes, and should also be illustrated with figures or tables where necessary but these should be kept to the minimum. The discussion should interpret the findings in view of the results obtained in this and in past studies on this topic.

### **Conclusion**

This should summarize the major findings that can be drawn from the research work, pointing out their significance, and alluding to possible future directions.

### **Acknowledgement**

This should be as brief as possible, and to appear before the reference section. Technical assistance, advice and financial support should be acknowledged.

### **Conflict of Interest**

Authors should state conflict of interest where applicable.

### **References**

#### **Citation**

Reference citations in the text should be identified by numbers in square brackets. Some examples:

- (i) Obesity and over-nutrition in the midst of pervasive poverty, further stressing the fragile health care system [4].
- (ii) This result was later contradicted by Aremu *et al.* [8].
- (iii) This theory has been widely accepted by workers [2–5, 10].

#### **Reference List**

The list of references should only include works that are cited in the text and that have been published or accepted for publication. Unpublished works should only be mentioned in the text. All references should be consecutively numbered in the order of their appearance in the manuscript.

If available, DOIs should be included as full DOI links in the reference list (e.g. 'https://doi.org/abc')

#### **Examples**

##### **Journal Article**

Aworh, O. C. (2018). From lesser-known to super vegetables: The growing profile of African traditional leafy vegetables in promoting food security and wellness. *J. of the Science of Food and Agriculture*, 98, 3609–3613. <https://doi.org/10.1002/jsfa.8902>.

Aremu, M. O, Olaofe, O., Basu, S. K., Abdulazeez, G. and Acharya, S. N. (2010). Processed cranberry bean (*Phaseolus coccineus*) seed flours for African diet. *Canadian J. Plant Science*, 90: 719 – 728, <https://doi.org/10.4141/CJPS09149>.

### **Book**

Finar IL 1975. *Organic Chemistry*, Vol. 2, 5<sup>th</sup> edn. ELBS and Longman Group, London UK, pp. 22 – 40.

### **Chapter in Edited Book**

Shills, M. E. (1973). Magnesium In: *Introduction to Nutrition*. Fleck, H. (ed.) 3<sup>rd</sup> edn. Macmillan Publishing Co. Inc., New York, p. 215.

### **Online Document**

Olaofe, O., Adeyeye, E. I. and Ojugbo, S. Comparative studies of amino acids and fatty acids of *Moringa oleifera* tree. <https://www.elixirpublishers.com/articles>. Accessed July 21, 2019.

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Tables should consist of three horizontal rules, with box heading centered over each column and should have a short descriptive caption at the top. All the tables should be typed in separate sheets at the end of references and numbered consecutively with Arabic numerals (e.g. Table 1, Table 2, etc.).

### **Figures and Graphs**

Figures should be numbered consecutively with Arabic numerals (i.e. Fig. 1, Fig. 2, etc.) at the end of the reference lists. Graphs should preferably be drawn using appropriate computer software and presented on single page ready for mounting. These should be constructed in such a manner that they can be understood without reading the text. Appropriate symbols should be used on graphs and explained in the legends. Graphs and figures should not duplicate results presented in the tables. Photographs should be produced in black and white. Title and comments for the figures and photographs should be provided on a separate page using MS word.

### **Symbols and Units**

Symbols, units and nomenclature should conform to the recommendations of the International Union of Pure and Applied Chemistry (IUPAC). SI units should be used for physical quantities. Scientific names should follow the binomial system of nomenclature, and should be italicized.

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