**The Title of the Manuscript**

Author1 Full Name1,3 , Author2 Full Name1\*, Author3 Full Name2 and Author4 Full Name3

1School of Health Sciences, Health Campus, Universiti Sains Malaysia, 16150 Kelantan, Malaysia.

2Department of Diagnostic and Allied Health Sciences, Faculty of Health and Life Sciences, Management and Science University, 40100 Shah Alam, Selangor, Malaysia.

3Department of Microbiology, Umaru Musa Yar’adua University, PMB 2218, Katsina, Nigeria.

**\*Corresponding Author:**

Author Full Name. School of Health Sciences, Health Campus, Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia. Email: smarwanis@usm.my ; Phone: el.: +234- 803 388 1455

**ORCID NUMBERS OF AUTHORS**

List the **full names** and respective valid **O**pen **R**esearcher and **C**ontributor **ID**entifier (**ORCID**) of all authors below:

Eg.

Author1 Full Name: <https://orcid.org/0000-0002-0474-1223>

Author2 Full Name: <https://orcid.org/0000-0001-9909-7735>

Author3 Full Name: <https://orcid.org/0000-0001-7650-0499>

Author4 Full Name: <https://orcid.org/0000-0001-8616-6615>

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**Abstract**

The first important part of your paper is its title. The title can be either descriptive or, more attractively, declarative. It should be interesting and intelligible, conveying your work's importance. An equally important part of the paper is the Abstract section. Write an informative Abstract that makes the readers want to find your paper and start reading it, as usually known, the abstract sells the papers. The abstract should represent an executive summary of the manuscript which includes the specific aims, brief description of method, main results and conclusions in a single paragraph**. No references should be included in the abstract.** Non-standard or uncommon abbreviations should be avoided but if essential they must be defined at their first mention in the abstract itself. Abstracts between 100 to 250 words are most preferred.

**Keywords:** Keyword 1, keyword 2, keyword 3, …, keyword 6 (minimum 3 keywords; maximum 6 keywords)Carefully select an appropriate list of five keywords that represent your paper's real content. This will help the readers find your paper more easily as they search through the database search engine

**STUDY’S EXCERPT**

Please use 3 to 5 **short** sentences to state the contributions (novelty) of your study to the existing literature. Mention any new findings, methods, instrumentation/technicalities, etc. See examples below:

* Sugarcane bagasse is used as a cost-effective source of carbon for optimizing polyhydroxybutyrate (PHB) synthesis.
* 53 strains of bacteria were isolated from a dump site.
* *Bacillus velezensis* was identified as the most efficient for PHB production.
* PHB synthesis is confirmed using FT-IR and scanning electron microscopy.
* Multiple linear regression (MLR) with ordinary least squares (OLS) predicted a yield of 50.23%.

OR

* Aunu permutations (permutations of prime length with their first entry as unity) are explored with a specific focus on involutions.
* The concept of pattern avoidance is examined using Aunu permutations that avoid the 213 pattern.
* The results reveal that Catalan numbers count the set of alternating sign matrices.
* Both bijective and algebraic proofs are provided to support the findings.
* The study transforms classical ideas, first presented by Abdullahi bin Fodiyo in his book called Da'ulmusalli (light to a worshipper), into modern mathematical science.

**More examples of study’s excerpts can be found in our recently published articles at** [**https://scientifica.umyu.edu.ng/index.php/scientifica/index**](https://scientifica.umyu.edu.ng/index.php/scientifica/index)

**INTRODUCTION**

A brief literature review of previous relevant work with references. The introduction should be specific and relevant to the research, describing the problem statement, the state of the current work in the relevant field, the objectives and hypotheses being tested, and the contribution of your findings to the existing knowledge in the relevant field. Please state the objectives of the research work at the last paragraph clearly.

The text format should be ……(Normal, 12 Times New Roman, left-right) for example Text………. and the environment (Rahman, *et al.,* 2022). Text ……. resistance pattern (Rahman and Nazir, 2021). Text …….leading to serious public health issues (Rahman and Nazir, 2019; Ado, *et al.,* 2020; Misbahu and Ade 2022). Abdullahi *et al.* (2020) noted that in recent years, text……………. Text…….. which was used by Nazir *et al.*(2022) in their experiments.

**MATERIALS AND METHODS**

**Reagents used**

Capitalize trade names and include the manufacturer’s name and address (just city and state). Text…………………………………………………………………………………………………………………………………………………………..

**Biochemical tests**

The following ……………………………………………were used to assess the biological………..of the isolates:

*Fehlings test*

Text……………………………………………………………………………………………………………………………………………………………………………………………

*Benedict’s test*

Text…………………………………………………………………………………………………………………………………...

(Note the subheadings above: first subheading (bold, 12 Times New Roman), second subheading (12 Times New Roman, italicized))

**RESULTS**

**Results may be combined with the discussion,** but it should be well presented with Tables and Figures orderly arranged. Place each Table or Figure at the nearest position of its first mention in the text. Avoid duplication of information in the Table, Figures, or text**.**

Table should contain brief title shown on their top and written in sentence case; should be self-explanatory (Place Table explanations in the footnotes of the Table); numbered consecutively in the order of their mention in the text (e.g.Table 1, then Table 2, etc.). **Please use the MS word table tool only to insert your table.** An example of Table format is given (Table 1). Thus, all Tables should be formatted leaving vertical and horizontal grid lines as shown in Table 1.

**Table 1:** Summary of the AFM information of CdS QDs **(Pls leave the Table with all the borders)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample** | **Roughness Average** **Sa (nm)** | **Root Mean Square** **Sq (nm)** | **Ten Point High** **Sz (nm)** | **Average Diameter** **D (nm)** |
| 8 | 0.25 | 0.29 | 1.25 | 55.12 |
| 10 | 0.64 | 0.77 | 2.22 | 61.02 |
| 12 | 1.5 | 1.73 | 3.42\* | 74.9\* |

\* Indicates significant variation (p < 0.05) among the column means

On the other hand, Figure should contain brief title shown below them and written in sentence case and bolded with appropriate legend; numbered consecutively in the order of their mention in the text (e.g. Figure 1, then Figure 2, etc.). An example is provided in Figure 1 below.



**Figure 1:** Chromatogram comparison showing the linearity in the HPLC analysis of five different concentrations (1.0, 2.0, 4.0, 6.0 and 8.0 ng/ml) of Aflatoxin standards Prepared in 75% Methanol. (Adopted from Salisu *et al.,* (2020)

**DISCUSSION**

**(Omit if you have combined it with your results).** The discussion should be concise and not a repetition of results. Focus on the work presented, scientific interpretation of results, and their relationships with other relevant recently published works.

**CONCLUSION**

The conclusion should include the most important idea of the experiment, the author's findings, possible solutions to the problem, recommendations for further research, etc.

**ACKNOWLEDGEMENT**

……………………………………………………………………………….

**REFERENCES**

Please use APA and provide doi or web links for all journal articles and other online documents. Write all journal names in full and italicize.

Examples:

**For Journal article:**

Martínez-Miranda, M., Taborda-Ocampo, G. and Rosero-Moreano, M. (2015). Validation of a high-performance liquid chromatography method for aflatoxins determination in corn arepas. *Journal of the Brazilian Chemical Society*, 26(4),797**–**803. <https://doi.org/10.5935/0103-5053.20150042> .

**For Books**:

Norman, T. J. (2004). Statistical Methods in Biology. Second edition, Cambridge University Press, United Kingdom, pp.255-560. Retrieved from <https://www.abebooks.co.uk/9780470270066/Statistical-Methods-Biology-Bailey-Norman-0470270063/plp> on 6th September, 2022.

**For Book Chapter:**

Olusegun Atanda, Hussaini Anthony Makun, Isaac M. Ogara, Mojisola Edema. (2013). Fungal and Mycotoxin Contamination of Nigerian Foods and Feeds. In: [Hussaini Makun](https://www.intechopen.com/profiles/59728) (Ed.); Mycotoxin and Food Safety in Developing Countries 2013. *Intechopen, London*; 2013. p. 1–15. Retrieved from <https://www.intechopen.com/chapters/44078> on 6th September, 2022.

**For Thesis:**

Salisu B. (2022). Characterisation of *Aspergillus* section *flavi* and development of aflatoxins level detection methods in food grains and poultry feeds from Malaysia and Nigeria. PhD thesis, Universiti Sains Malaysia. Retrieved from <http://eprints.usm.my/54286/> on 11th October, 2022.

**For Conference Proceeding:**

Salisu B., Anua M.S., Ishak W., Mazlan N., Lawal U. (2019). Bioburden and Phenotypic Characterisation of Mycotoxigenic Fungi Contaminating Commonly Consumed Food Grains in Katsina State, Nigeria. In: International Environment and Health Conference Malaysia. p. 48–9. Retrieved from <https://upm.edu.my/activities/www.iehc2019.usm.my> on 6th September, 2022

**For articles from Organizations:**

WHO (2007). Guidelines on standard operating procedures for the laboratory diagnosis of HIV opportunistic infections. Retrieved from <http://www.who.int/en.htm> on 20th June, 2007.