



**UNIVERSITY OF
ZULULAND**

A NODE FOR AFRICAN THOUGHT

International Workshop on “Art of Scientific Writing”

PROGRAMME

Venue: Old VC house boardroom, KwaDlangezwa Campus

Date: 26 & 27 September 2022

Time: 8h30 -16h30

Workshop conducted

by

Dr. M.P.Jonathan

Profesor Investigador Titular “C” (SNI Nivel 2)

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Course work destined to: **Postgraduate Master's/Doctorate students,
Lecturers and Professors**

Short Content about the course:

The two-day course on Art of Scientific Writing mainly focuses on how a scientific data set can be written in a manner which will be accepted at international level. The course will deal on wide aspects leading to basic principles which need to be followed in writing a scientific article/report. The positives and negatives on the writing skills will be taught. Based on the data set, how a basic planning should be done will be made for the article on how it has to be written and presented in international standards. The whole course is planned in a way how to make a simple research article/report/ where the author can present it acceptable at international level.

The main objective of the workshop will be to publish in high impact journals/report/book with simple data set and build the confidence in publishing.

The course will take the candidate to understand the essence of understanding the importance of each sector from Title, Name of authors, Address, Abstract, Introduction, Study area, Materials & Methods, Results, Discussion, Comparison studies, Conclusion, Acknowledgements, References, figures and tables. The basic principles of presenting an introduction which consists of earlier studies and the main objectives will be taught. In the following sector the importance of materials and methods will be taught. The main contents in the methodology sector are an important component and the main characters needs to be included in the methodology will be taught. The importance of presenting various formulas used, the softwares used, the standard error values etc., which needs to be presented at the international level, will be taught.

The main heart of the article which consists of results & discussion has to be presented in a clear way so that the concepts and results are discussed in a proper manner. The importance of presenting a result and what are the data that has to be presented will be taught. The results or the numbers or concepts can be presented numerically or graphically, hence in this part the author has to decide which will be the best way to present the results. The importance of discussing the results will be taught and how it has to be interpreted in a simple way will be taught. The discussion of data set with other studies and the figures

which will be presented in relation to the data set will be taught so that it is easily understandable for general as well as specific readers. The importance of use of statistical analysis and how it can be used in different studies will also be taught. In the concluding part, the author will be taught how to write a crisp and short conclusion which includes all parts of the article. In the final stage, the importance of references, the tables, figures and how an author has to follow the instruction to authors will also be taught.

Finally, the author will be taught how to select a journal based on his/her data set so that it gets accepted in any one of the international journals which has some impact on his/her studies and which will benefit his/her scientific carrier.

SCHEDULE FOR TWO DAY WORKSHOP		
Sl.No	Date/Time	Description/ Work schedule
	26-09-2022	Day 1
1	8:30 to 13:00 hrs	<p>Theory: Importance of scientific writing</p> <ul style="list-style-type: none"> • Habits for scientific writing • Important concepts in science • Importance of publishing in high impact factor Journals • Advantages of publishing quality work <p>Points to get ready before writing a scientific article:</p> <ul style="list-style-type: none"> • Your data set (Primary and secondary) • Reprints or other evidences related to your study • Figures/Tables related to your study • Calculations relations to your study • Materials related to your study <p>Journal selection:</p> <ul style="list-style-type: none"> • Identifying the Publisher/Journal based on your data or work • Importance of instructions to author <p>Following or review of new articles published in the Journal which you wish to publish.</p> <p>Theory:</p> <ul style="list-style-type: none"> • Importance of Article Title (Formation) • Importance of Keywords <p>Importance of Abstract writing</p>
	13:00- 13h45 hrs	Lunch
	13:45-16:30 hrs	<p>Importance of structuring your scientific article – PART 1</p> <ul style="list-style-type: none"> • Structure and importance of Introduction • Structure and importance of review of literature, study area/lab, regional settings etc., • Importance of materials & methodology etc., • Importance of results and discussion • Additional tools which will help in interpreting the

		scientific data Tips for interpreting scientific data set
	27-09-2022	Day 2
	8:30-13:00 hrs	Importance of structuring your scientific article – PART 11 <ul style="list-style-type: none"> • Importance of results and discussion • Additional tools which will help in interpreting the scientific data Tips for interpreting scientific data set <ul style="list-style-type: none"> • Hints to frame your results • Hints to frame your discussion • How to observe and identify what should be presented or interpreted • Importance on use of primary and secondary data's generated and collected from different agencies • Work on your data set so that you have an idea which data set you will be using finally • Using different soft wares and other mode of calculations Revision of materials collected/used for your writing
	13:00-13:45 hrs	Lunch
	13:45-16:15 hrs	Importance of identifying Journal/Submission <ul style="list-style-type: none"> • Forming the structure of scientific article • Filling up the gaps in your article • Reading and correcting your scientific article • Submission of article to correct Journal (Formatting, Type settings, Submission etc.,) • Uploading your scientific article and its process Use of different Journal Website's and what to do during submission Review of Final Write up: <ul style="list-style-type: none"> • An overview or review of the workshop • Do's and Don't's during your writing After review or submission what should be done
	16:15-16:30 hrs	Conclusion & Certificate distribution

Important Note:

- All participants are requested to bring their own data set either raw or cleaned up data with laptops or required soft wares to work during the practical session daily.
- The participants will be given daily homework or an assignment that needs to be worked upon each day after the theory section.

List of Books for reference:

1. Jan Martin (2011) A scientific approach to Scientific Writing. Springer Verlag Pubs. p.107. (ISBN.978-1-4419-9787-6)
2. Jay Katz, M (2009) From research to manuscript. A guide to scientific writing. Springer Verlag Pubs. p. 203. (ISBN.978-1-4020-9466-8)
3. Alley M (1995) The craft of scientific writing (3rd Ed.) Springer Verlag Pubs. p. 162. (ISBN-13: 978-0387947662).

4. Elsevier Journals Web Page: www.elsevier.com/journals
5. Springer Journals Web Page: www.springer.com/journals
6. Academic Journals Web Page: www.academicjournals.com/journals
7. Taylor and Francis Web Page: www.taylorfrancis.com/journals

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