



(Company No. 101067-P)

الجامعة الإسلامية العالمية ماليزيا
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
يُونِيسَيتِي إِسْلَامُ إِنْتَارَاغُشَا مَلِيسِيَا

Garden of Knowledge and Virtue



KULLIYAH OF PHARMACY

IIUM PHARMACY STUDENTS' SOCIETY (IPhA)

Date: 7th February 2021

To:

Assoc. Prof. Dr. Hazrina Ab Hadi,

Department of Pharmaceutical Technology,

Kulliyyah of Pharmacy, International Islamic University of Malaysia (IIUM),

Jalan Sultan Ahmad Shah, Bandar Indera Mahkota,

25200 Kuantan, Pahang Darul Makmur.

Dear Dr.,

Assalamualaikum Warahmatullahi Wabarakatuh

IIUM Pharmacy Students' Society, Kulliyyah of Pharmacy

International Islamic University of Malaysia, Jalan Istana, Bandar Indera Mahkota, Kuantan

Tel: 09-5716400 Fax: 09-5716775

INVITATION AS THE SPEAKER FOR THE 4TH MyPSA NATIONAL PHARMACY RESEARCH COMPETITION (NPRC) 2021

May this letter reach you while you are in great health and *imaan* by the grace of Allah S.W.T.

With due respect, we regard you to the above matter.

We are glad to inform you that IIUM Pharmacy Students' Society (IPhA) in collaboration with the Malaysian Pharmacy Students' Association (MyPSA) will be organizing the 4th Mypsa National Pharmacy Research Competition (NPRC) 2021. The details of the programme are as follows:

Name of programme	:	Webinar 1, Tips on Writing Good Research Paper
Date / Day	:	1st May 2021, 2pm – 3.15pm
Platform	:	Zoom Meeting
Participants	:	60 students from 19 universities nationwide

It is a great pleasure that I write to invite you to be the speaker for the event. I believe with your experiences you will be able to contribute significantly to the success of this event. It would be an honour for us to have you as the advisor for NPRC 2021. If you have any inquiries, you may refer to these contacts:

Sr. Noor Farina binti Azman

014-9572029

nprc2021@gmail.com

Programme Director of 4th Mypsa National Pharmacy Research Competition (NPRC) 2021.

Sr. Fairuz Auni binti Mohamad Sabhan

017-3057098

nprc2021@gmail.com

Secretary of 4th Mypsa National Pharmacy Research Competition (NPRC) 2021.

We are looking forward to hearing from you. We are grateful for your support and cooperation in this matter to ensure the smooth flow of the event.

Thank you, *Wassalam*.

“Youth Centered Science, Technology and Innovation for Sustainable Development”

Sincerely,



FAIRUZ AUNI BINTI MOHAMAD SABHAN

Secretary,

4th Mypsa National Pharmacy Research Competition (NPRC),

Kulliyyah of Pharmacy,

International Islamic University Malaysia (IIUM),

Kuantan Campus.

APPENDIX A

IIUM Pharmacy Students' Society, Kulliyyah of Pharmacy

International Islamic University of Malaysia, Jalan Istana, Bandar Indera Mahkota, Kuantan

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**TENTATIVE PROGRAMME FOR THE 4th NATIONAL PHARMACY RESEARCH
COMPETITION 2021**

TIME	ACTIVITY	PLATFORM
DAY 1 (FRIDAY- 30 APRIL 2021)		
8.30 a.m	Event Check-In All participants will be given a link to join the event. <ul style="list-style-type: none"> ● Energizer 	Zoom Kahoot
9.00 a.m	Opening Ceremony and Briefing <ul style="list-style-type: none"> ● Start the ceremony with recitation of al-Fatihah and prayer. ● Opening speech will be given by the Programme Manager and Dean to welcome the participants as well as to mark the start of the event. ● Briefing on the flow of competition for NPRC 2021. 	Zoom (Restricted to VVIPs, judges and participants involved only) Youtube Live (for audience)
9.55 a.m	Break/ Preparation for First Round Presentation	
10.00 a.m	Round 1 Presentation <ul style="list-style-type: none"> ● Poster presentation for 2 categories (Clinical Pharmacy and Pharmacy Practice) 	Zoom (Restricted to participants and judges involved only) Youtube Live (for audience)

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1.00 p.m	Break	
2.30 p.m	Round 1 Presentation <ul style="list-style-type: none"> ● Poster presentation for 2 categories (Pharmacy Education and Pharmacology) 	Zoom (Restricted to participants and judges involved only) Youtube Live (for audience)
5.30 p.m	Disperse	
DAY 2 (SATURDAY- 1 MAY 2021)		
8.30 a.m	Event Check-In All participants will be given a link to join the event. <ul style="list-style-type: none"> ● Energizer 	Zoom Kahoot
9.00 a.m	Round 1 Presentation <ul style="list-style-type: none"> ● Poster presentation for 2 categories (Pharmaceutical Chemistry and Pharmaceutics) 	Zoom (Restricted to participants and judges involved only) Youtube Live (for audience)
12.30 p.m	Break/lunch	
2.00 p.m	Webinar Talk given by speaker Title: Tips on Writing a Good Research Paper.	Zoom (Limited to 100 pax based on 'First Come, First Serve' basis)

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3.15 p.m	Break	
3.45 p.m	Webinar Talk given by speaker Title: Research Paper Presentation Tips.	Zoom (Limited to 100 pax based on 'First Come, First Serve' basis)
5.00 p.m	Disperse	
DAY 3 (SUNDAY- 2 MAY 2021)		
8.30 a.m	Event Check-In All participants will be given a link to join the event.	Zoom
8.45 a.m	Announcement on successful teams to the second round	Zoom
9.15 a.m	Break/ Preparation for Final Presentation	
9.30 a.m	Round 2 Presentation <ul style="list-style-type: none"> ● Oral presentation for all successful teams. ● Final presentation will be divided into 2 sessions that run simultaneously. ● Group A: Clinical Pharmacy, Pharmacy Practice and Pharmacy Education ● Group B: Pharmacology, Pharmaceutical Chemistry and Pharmaceutics 	Zoom (Restricted to participants and judges involved only) Youtube Live (for audience)
1.30 p.m	Break/ Judges Evaluation	

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3.00 p.m	Closing Ceremony <ul style="list-style-type: none"> ● Closing speech will be given to mark the end of the event. ● Announcement of the winners. 	Zoom (Restricted to VVIPs, judges and participants involved only) Youtube Live (for audience)
5.00 p.m	Disperse	

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IKOP
(614589-A)



Tips on Writing a Good Research Paper

By:

Assoc. Prof. Dr. Hazrina Ab Hadi

Head of Dermatopharmaceutics Research Group IIUM

Head of Department, Research & Development, iKOP Sdn. Bhd



Biography

Academic/Professional Qualification

- Bachelor degree in Pharmacy (Hons.) - International Islamic University Malaysia (2007)
- MSc. Drug Delivery - The School of Pharmacy, University of London, UK (2008)
- Ph.D Pharmacy - The School of Pharmacy, University College London, UK (2012)

Research grants and consultancies

- From IIUM, MOHE and industry: more than RM 1 million

Supervisions

- PG students: 10 graduated and 6 on-going
- FYP: more than 50 students

Publications

- Research articles and conference proceedings: 38 (till April 2021)
- Book chapters: 4

IPs

- 3 patents, 2 trademarks, 1 copyright

Biography: Awards

International:

- International Award of Merit by Republic of Croatia for innovation entitled Stingless bee honey as a natural wound healing promoter in a cutting edge hydrogel
- Rising Stars Scholarship Award awarded by World Congress Dermatology in Milan, Italy, 2019

National:

- Best Poster Award awarded by Malaysia Pharmaceutical Society 2015
- Silver Award awarded by International Research, Invention And Innovation Exhibition (IRIIE 2015) for innovation entitled Cocoa Butter: Efficient Moisturiser and Anti-Ageing
- IRIIE 2015 for innovation entitled Microsponges – A Novel Carrier for Resiquimod in Treating Skin Cancer
- Silver Award awarded by Malaysia Technology Expo (MTE 2019) for innovation entitled A Deodorant Composition
- Silver Award awarded by Malaysia Technology Expo (MTE 2019) for innovation entitled A Skin Whitening Cosmetic Formulation
- Gold Award awarded by Research and Innovation Award (RIA 2019) for innovation entitled Halal Insulin Nanoparticles: An Innovative and Painless Drug Delivery Patch for Diabetics
- Silver Award awarded by Malaysia Technology Expo for innovation entitled Stingless bee honey as a natural wound healing promoter in a cutting edge hydrogel
- Silver Award awarded by Invention, Innovation and Design Exposition (IIDEX 2020) for innovation entitled HydroB: Mother Nature In A Modern Delivery System For Wound

Kulliyah

- Top 3 Academic with National/International Award Recipients in 2019
- Top 3 Main Supervisors in 2019

University

- High Impact Responsible Innovation Award 2020
- Top 30 Contributors to IIUM's Research Performance 2020



Outline

- What is a research paper?
- Qualities of a good research paper
- Research paper format
- Steps of writing research paper





What is a research paper?

- is a common form of academic writing.
- an expanded **essay** that presents interpretation or evaluation or argument.
- require students and academics to locate information about a topic (that is, to conduct **research**), take a stand on that topic, and provide support (or evidence) for that position in an organized report.

Qualities of a good research paper

- based on some logical rationale and bound by theory
- keep the **study** current, valid and verifiable
- the language of the **research** should be simple and easy to understand - to share and communicate effectively with other fellow researchers



Research paper format



Title



Abstract



Introduction (research background
and literature review)



Research methods



Results (findings and analysis)




Discussion



Conclusions



References



Length of the manuscript

Journal's Guide for Authors, but an ideal length for a manuscript is 25 to 40 pages, double spaced.

General guidelines:

- Title: Short and informative
- Abstract: 1 paragraph, 1 page
- Introduction: 1.5–2 pages
- Methods: 2–3 pages
- Results: 6–8 pages
- Discussion: 4–6 pages
- Conclusion: 1 paragraph
- Figures: 6–8 (one per page)
- Tables: 1–3 (one per page)
- References: 20–50 papers (2–4 pages)

Steps to organizing your manuscript: 11 steps to structuring a science paper editors will take seriously – Elsevier Connect

Prepare the tables and figures

Write the methods

Write the results

Write the discussion

Write a clear conclusion

Write a compelling introduction

Write the abstract

Compose a concise, attractive and descriptive title

Select the keywords for indexing

Write the Acknowledgements

Write up the references (format!)

1. Prepare tables and figures



"a figure is worth a thousand words."



are the most efficient way to present your results



figure and table legends must be self-explanatory



no illustrations should duplicate the information described elsewhere in the manuscript.

2. Write the research methods

How do you collect the data?

Lab work - experiments? Need to explicitly mention the details of every chemicals and materials used (purity, supplier, city and country of origin) . Also, the detail of the equipment used including the model, manufacturer, city and country of origin

Survey: Quantitative (distribute questionnaire to collect data) or qualitative (interview)

2. Write the research methods

responds to the question of how the problem was studied.

For a new method, detailed information required. So, reader can reproduce the experiment.

it's important to use standard systems for numbers and nomenclature. For example:

For chemicals, use the conventions of the International Union of Pure and Applied Chemistry and the official recommendations of the IUPAC-IUB Combined Commission on Biochemical Nomenclature.

For species, use accepted taxonomical nomenclature (WoRMS: World Register of Marine Species, ERMS: European Register of Marine Species), and write them always in italics.

For units of measurement, follow the International System of Units (SI).

Present proper control experiments and statistics used, again to make the experiment of investigation repeatable.

3. Write the results

- "What have you found?"
- should be essential for discussion.

Statistical rules

- Indicate the statistical tests used with all relevant parameters: e.g., mean and standard deviation (SD): 44% (± 3); median and interpercentile range: 7 years (4.5 to 9.5 years).
- Use mean and standard deviation to report normally distributed data.
- For numbers, use two significant digits unless more precision is necessary (2.08, not 2.07856444).
- Never use percentages for very small samples e.g., "one out of two" should not be replaced by 50%.



4. Write the discussion

- respond to what the results mean.
- to sell your data.
- You need to make the Discussion corresponding to the Results, but do not reiterate the results.
- compare with the published results (using some of the references included in the Introduction).
- Never ignore work in disagreement with yours, in turn, you must confront it and convince the reader that you are correct or better.





5: Write a clear Conclusion

- provide a clear scientific justification for your research
- Sum up all the important findings and discussion

6: Write a compelling Introduction

Editors like to see that you have provided a perspective consistent with the nature of the journal. You need to introduce the main scientific publications on which your work is based, citing a couple of original and important works, including recent review articles.

Never use more words than necessary (be concise and to-the-point). Don't make this section into a history lesson. Long introductions put readers off.

We all know that you are keen to present your new data. But do not forget that you need to give the whole picture at first.

The introduction must be organized from the global to the particular point of view, guiding the readers to your objectives when writing this paper.

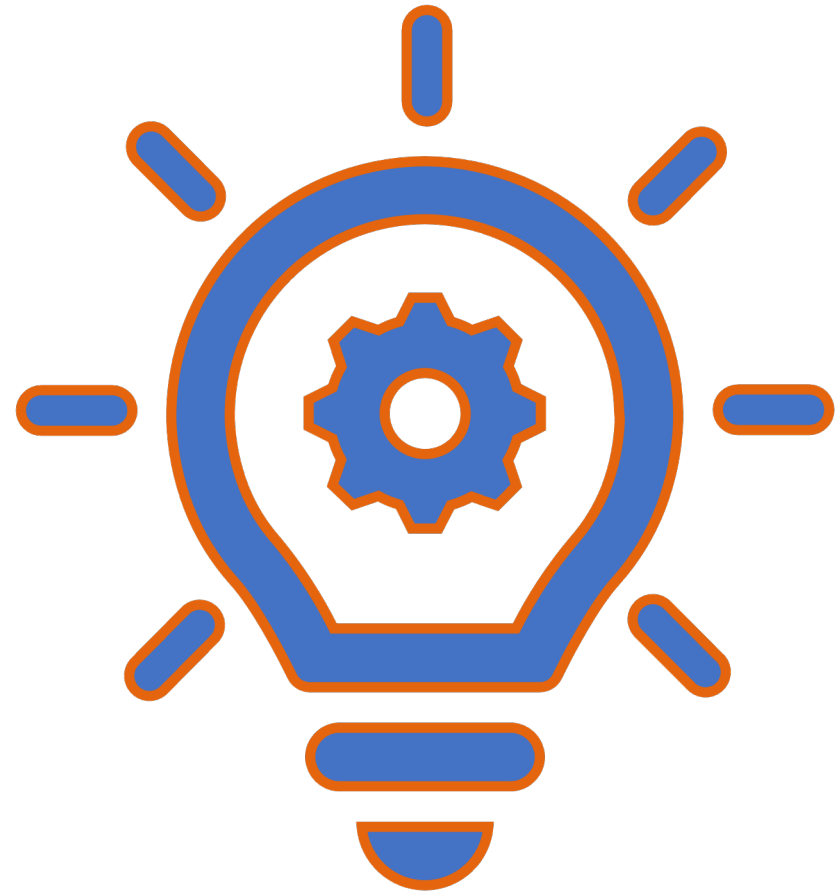
State the purpose of the paper and research strategy adopted to answer the question, but do not mix introduction with results, discussion and conclusion. Always keep them separate to ensure that the manuscript flows logically from one section to the next.

Hypothesis and objectives must be clearly remarked at the end of the introduction.

Expressions such as "novel," "first time," "first ever," and "paradigm-changing" are not preferred. Use them sparingly.

Introduction: Qs

- main research problem clear?
- What precisely are you studying and why is it important?
- How original is it?
- Will it fill a gap in other studies?





5/1/21

7: Write the Abstract

- Together with the title, it's the advertisement of your article.
- 100 to 300 words
- provides a broad overview and is never more than a page.
- describes the essence, the main theme of the paper.
- It includes the research question posed, its significance, the methodology, and the main results or findings. Footnotes or cited works are never listed in an abstract.
- In an abstract, the two *whats* are essential: **What has been done?** **What are the main findings?**
- Very important ~ first impression! "You never get a second chance to make a first impression"

Step 8: Compose a concise and descriptive title

title is specific and whether it reflects the content of the manuscript

Example:

Original title: Action of antibiotics on bacteria

Revised title: Inhibition of growth of *Mycobacterium tuberculosis* by streptomycin

Comments: Titles should be specific. Think about "how will I search for this piece of information" when you design the title.

9: Select keywords for indexing

Keywords are used for indexing your paper. They are the label of your manuscript.

a broad meaning and words already included in the title.

Step 10: Write the Acknowledgements



To thank people who have contributed to the manuscript but not to the extent where that would justify authorship.



Eg. technical help and assistance with writing and proofreading.



To thank funding agency or the agency giving the researcher a grant or fellowship.



In the case of funded projects, do not forget to include the grant number

11: Write up the References

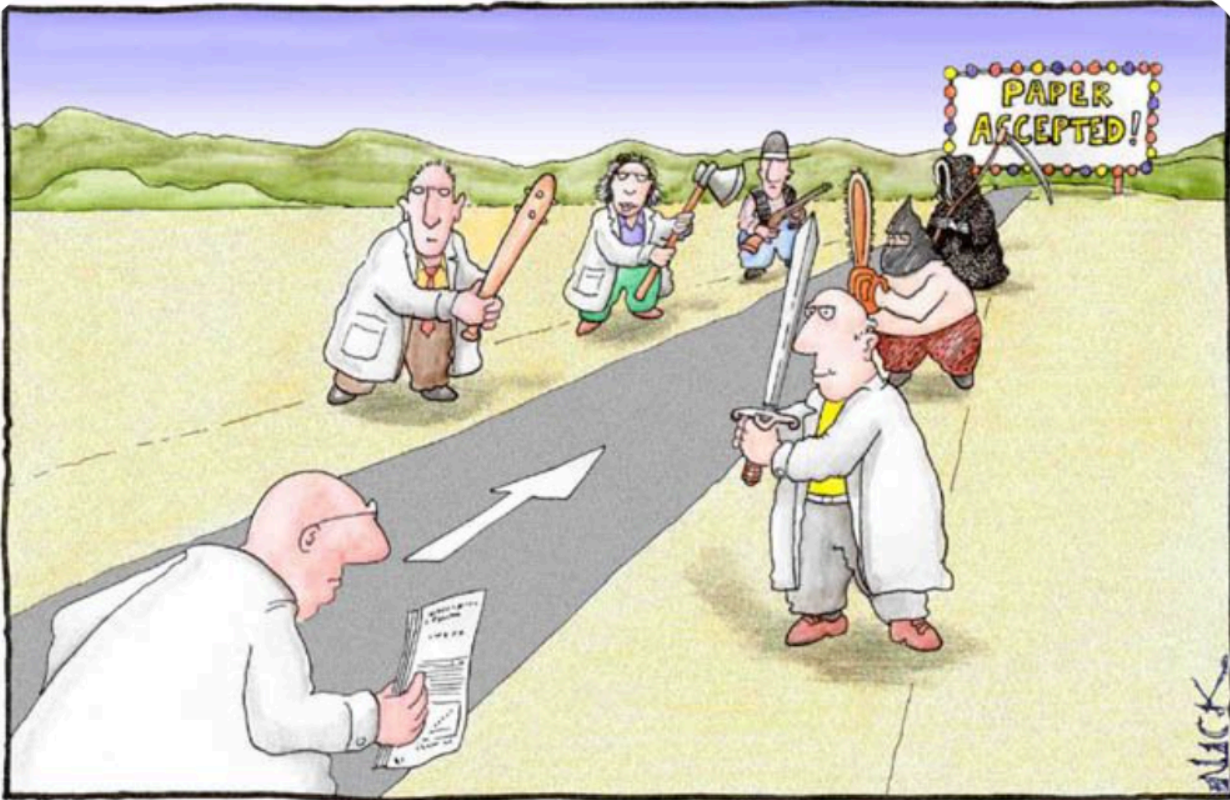
- use any software, such as [EndNote](#) or [Mendeley](#), to format and include your references in the paper.



5/1/21



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Good luck!

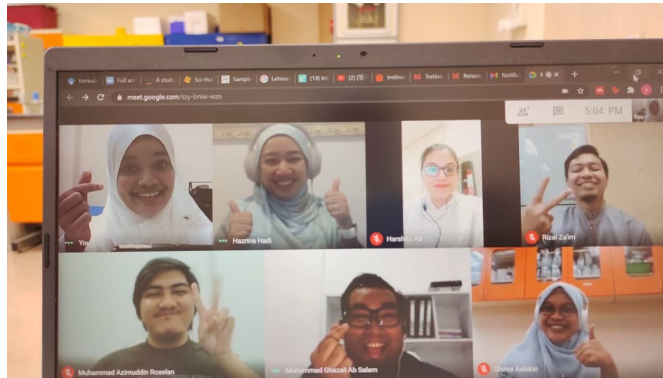
Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'

IUM Dermatopharmaceutics Research Group

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Email: hazrina@iium.edu.my





THANK you