

RESEARCH CLINIC SERIES FOR RESEARCHERS AND POSTGRADUATE STUDENTS



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Innovative Research



Innovative research involves the exploration of new ideas, approaches, or solutions that push the boundaries of knowledge and lead to novel insights or advancements in a particular field.

Why Innovative Research for Researchers and PG Students?

Five Keywords



Knowledge
Expansion

Problem Solving

Scientific
Breakthrough

Economic
Growth

Social
Impact



How to Develop a Culture of Innovative Research

- 1 Fostering an environment of curiosity & innovation of new ideas. This can be done through regular brainstorming, interdisciplinary collaborations, and providing resources for experimental research
- 2 Initiating interdisciplinary interactions, collaborations and networking
- 3 **Accessing necessary resources and support.** Support researchers in securing grants and funding for their projects, and provide opportunities for professional development and trainings
- 4 Celebrating our achievement/success stories & contributions to the field Establish awards, honors, and recognition to acknowledge outstanding contributions to innovation
- 5 **Fostering a Culture of Openness and Transparency.** This promotes a culture of integrity and ethical conduct in research
- 6 Stimulating Continuous Learning and Development by attend conferences, workshops, and seminars

Defining Research Interests

Steps to define your research interests for innovative research

1

Self-Reflection

Reflect on your personal and professional experiences, passions, and strengths.

3

Literature Review

Conduct a thorough literature review to explore existing research in your field of interest

5

Consultation

Seek advice and guidance from mentors, colleagues, and experts in your field

2

Brainstorming

Struggle to maintain optimal inventory levels

4

Interdisciplinary Exploration

Explore interdisciplinary connections and intersections between different fields or disciplines

Codes of Conduct For Innovative Research

A code of conduct is an essential guide outlining the principles, values, and behaviours expected

The Principles



Engage with the public



Pursue the truth



Minimize harm



Engage with decision-makers



Support diversity



Be a mentor



Be accountable

- 1 Authorship Responsibility:** Uphold high standards of integrity and ethics in all aspects of research conduct.
- 2 Acknowledging the contribution of others** and embrace openness, transparency, and collaboration in research endeavors
- 3 Plagiarism Avoidance:** Ensure rigor and quality in research practices to produce reliable and reproducible results
- 4** Encourage researchers to pursue ambitious projects and embrace failure as a valuable learning opportunity
- 5** Evaluate the ethical, social, and environmental implications of research activities and outcomes.



Familiarizing Ourselves with Research Ethics

Research ethics involves the application of fundamental ethical principles to research activities

Ethics Training Workshops and Courses

Enroll in workshops or courses specifically designed to provide training in research ethics..

Consult Ethical Guidelines and Codes of Conduct

Familiarize yourself with relevant ethical guidelines, codes of conduct, and regulatory frameworks governing research in your field

Collaborate with Experienced Researchers

Seek mentorship and guidance from experienced researchers who have expertise in research ethics

Tools for Searching Journals for Submission

This offers access to a vast collection of scholarly database

DOAJ

Journal Directories and Databases

- PubMed
- Web of Science
- SCOPUS
- IEEE Xplore

Journal Selection Tools and Services



- Journal Finder (Elsevier)
- Journal/Author Name Estimator (JANE)
- JournalGuide
- Think.Check.Submit.

Prioritizing Top Rated Journals

These are prestigious academic journals (i.e. Q1 and Q2 Indexed Journals)



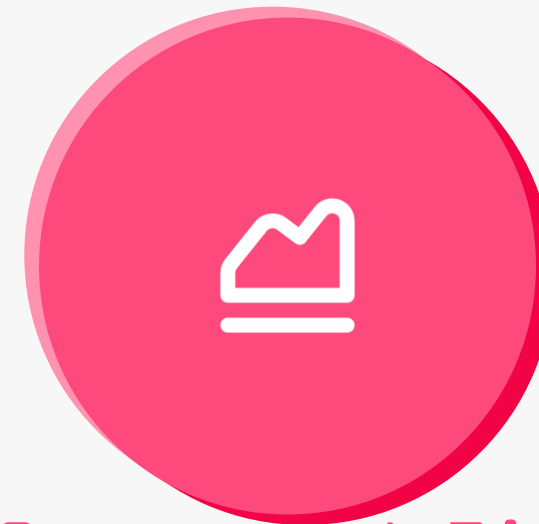
Impact Factor and Citations

Prioritize journals with a consistently high impact factor (i.e. Q1 and Q2), as they are likely to reach a broader audience and contribute to your research's visibility and recognition.



Journal Reputation and Prestige

Look for journals that are well-regarded by researchers, scholars, and practitioners in your field



Scope and Fit for Your Research

Choosing a journal that closely matches your research interests increases the likelihood of acceptance and relevance to the target audience



Target Audience and Readership

Prioritize journals that reach your target audience effectively and offer opportunities for dissemination and impact

Avoiding Predatory Journals

Predatory journals are a deceptive, money-making practice by unscrupulous publishers.

Verify if the journal is indexed in reputable databases such as PubMed, Web of Science, Scopus, or other recognized indexing services.

Check Journal Indexing and Inclusion

Scrutinize the journal's website for professionalism, transparency, and quality. Beware of journals with poorly designed websites, grammatical errors, or suspicious practices.

Evaluate Journal Website and Quality

Research the editorial board members and reviewers associated with the journal. Verify their affiliations, expertise, and academic credentials

Assess Editorial Board and Reviewers

Review Publication Fees and Charges

Be wary of journals that require exorbitant publication fees or fees at unusual stages of the publication process. Predatory journals often prioritize profit over academic quality

Search for Reviews and Feedback

Search for reviews, feedback, or discussions about the journal from fellow researchers or scholarly communities.

Check Journal Metrics and Impact

Evaluate the journal's metrics, including impact factor, citation metrics, and journal ranking within its field

Preparing The Paper In Line With The Template Of The Journal

Part 1

Study the Journal's Guidelines and Template:

Carefully review the journal's author guidelines and manuscript preparation instructions provided on their website. Pay close attention to formatting requirements, style guidelines, and specific instructions for preparing different sections of the manuscript.

Part 2

Use Styles and Templates Provided by the Journal:

If the journal provides a manuscript template or style file, use it to format your paper. Templates typically include predefined styles for text, headings, citations, references, figures, and tables that align with the journal's formatting requirements

Part 3

Format Text, Figures, and Tables

According to Guidelines:

Format the text, figures, and tables of your manuscript according to the journal's specifications.

Main Part

Proofread and Review for Compliance:

After formatting your manuscript, thoroughly proofread and review it to ensure compliance with the journal's template and guidelines. Check for consistency in formatting, correct usage of styles and templates, and adherence to instructions for each section of the manuscript.

Rudiments of Conducting Publishable Research

1 Introduction with Clear Research Question or Hypothesis

Define a clear and focused research question or hypothesis that addresses a gap in knowledge. Your research question should be specific, relevant, and feasible.

2 Comprehensive Literature Review

Conduct a comprehensive literature review to familiarize yourself with existing research and theoretical frameworks relevant to your topic.

Identify gaps, controversies, or areas for further exploration that justify the need for your study.

3 Robust Methodology and Study Design

Develop a robust methodology and study design appropriate for addressing your research question. Choose appropriate research methods, experimental procedures, or data collection techniques that are rigorous, reliable, and ethical.

4 Data Collection and Analysis:

Apply critical thinking skills to interpret your research findings within the context of existing knowledge and theoretical frameworks. Discuss the implications of your findings, acknowledging strengths and limitations.

5 Consultation

Seek advice and guidance from mentors, colleagues, and experts in your field.

Conclusion

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