

A 10 Days Workshop: How to Write and Submit a Research Article

Lecture 1

Prerequisite Concepts for Writing A Research Article

Trainers

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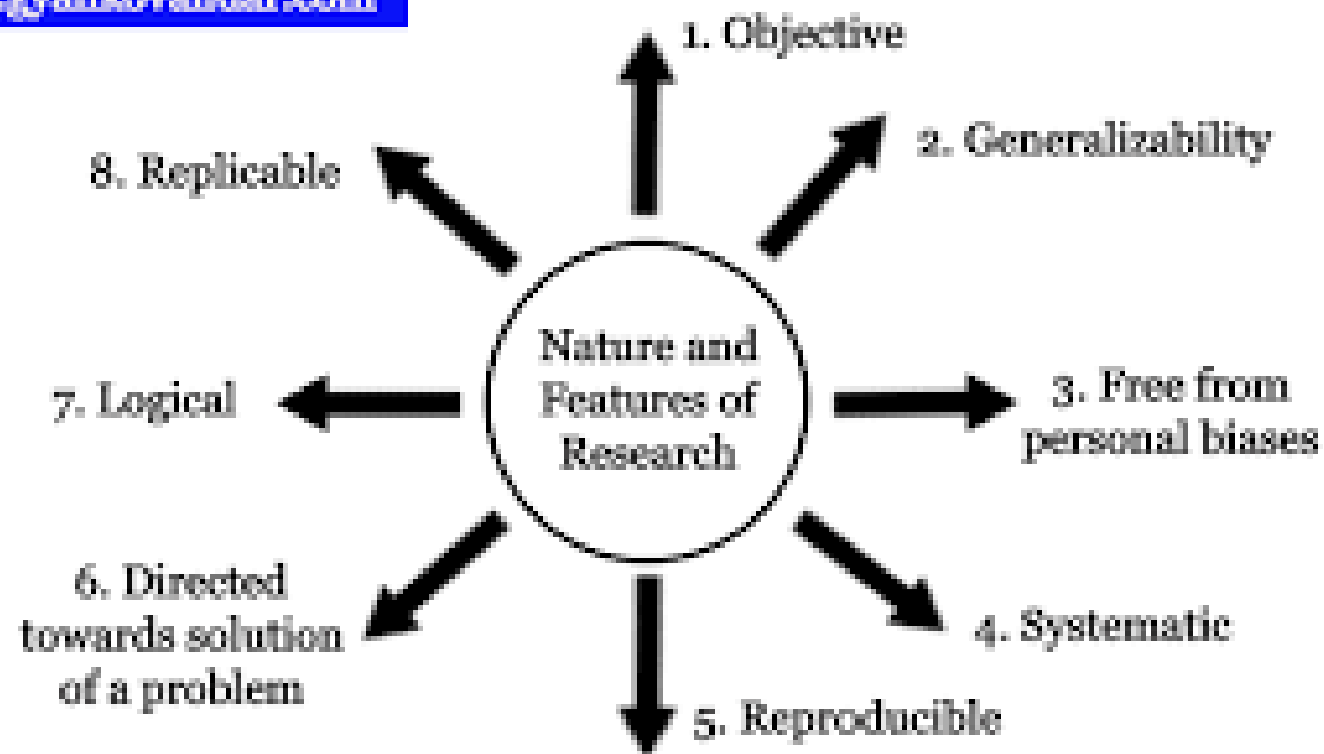
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Prerequisite Concepts for Writing A Research Article

- Importance of Research
- Research Types
- Cycle of Publication
- How To Select Relevant Publishing Platform?
- Ethics of Publication
- Publication Ethics Checklist
- What Impact Factor is Good Enough?

Importance of Research

- Advancement in Understanding
- Understanding of Best Available Solutions
- Innovation and Discoveries
- Quality Improvement
- Analytical Mind Set and Skill Set Development
- Technology/Knowledge Transfer to Relevant Industry/Field
- Global Collaboration
- Continuous Improvement in a Concept



Research Types

Types of Research Methodology



Cycle of Publication



How To Select Relevant Publishing Platform?

- Scope of The Publishing Platform
 - Existing Publications
- Look for the Credentials of the Publisher
 - Website Quality
 - Tools and Services Offered
- Scalability of the Publisher
 - No. of Publications
 - Forums, Tutorials, Supporting Plate Forms
- Budget Considerations
- Terms and Polices of the Publisher
- Iterate the Platform

Ethics of Publication

- Truthfulness
- Transparency of Authorship and Contributions
- Conflict of Interest
- Institutional Review Boards (IRBs) /Ethics Committees Approval
- Reproducibility
- Encouragement to Open Access

Publication Ethics Checklist

- Approval and Consent
- Data Accuracy
- Falsification
- Fabrication
- Plagiarism
- Self-Plagiarism
- Submission Fraud
- Ethics of Authorship
- Conflict of Interest

What Impact Factor is Good Enough?

- The impact factor (IF) is a measure of the frequency with which the average article in a journal has been cited in a particular year.

| Field of Research | Good Enough Impact Factor Range |
|---------------------|---------------------------------|
| Biomedical Sciences | 3 - 10 |
| Chemistry | 2 - 8 |
| Physics | 2 - 6 |
| Engineering | 1 - 5 |
| Computer Science | 1 - 5 |
| Social Sciences | 1 - 5 |
| Humanities | 0.5 - 3 |