



# RESEARCH METHODOLOGY

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**AMITABHA LAHIRI**

S. N. BOSE NATIONAL CENTRE FOR BASIC SCIENCES

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# SUBMISSION

- Arxiv
  - Register as an author [arxiv.org/user](https://arxiv.org/user)
  - Submission process long
  - A paper once submitted, cannot be removed
  - Useful for claims of priority
  - Not considered a publication
  - Most journals allow pre-publication submission
  - Some journals also allow post-publication update/submission
  - A few journals do not; check journal website carefully

# SUBMISSION

- **arxiv.org**
  - Select a category or subject (e.g. cond-mat)
    - Possibly a subject class (e.g. cond-mat.str-el)
  - Submitted paper goes to a moderator
  - If accepted, paper appears in the daily listings
- **Other repositories**
  - [biorxiv](#), [medRxiv](#)
  - [researchgate.net](#)
  - [academia.edu](#)

# WHICH JOURNAL ?

- ❑ Choose a journal (usually supervisor does it)
  - ❑ Preferably one that you read yourself
  - ❑ Or one which is most cited in the paper
  - ❑ Publication in high Impact Factor (IF) journals help in career
- ❑ Impact factor = no. of citations/no. of papers in 2 yrs
  - ❑ Very high for topics of immediate interest (medicine, biology)
  - ❑ Not high for topics with long term effect (mathematics)
- ❑ Eigenfactor: weighted, 5 yrs, w/o self-reference, normalized
- ❑ Other measures of journal ranking (Citescore, SJR, SNIP)

ONLINE

AVAILABILITY

RE-USE RIGHTS

<https://www.youtube.com/watch?v=L5rVH1KGBCY&t=1s>



# OPEN ACCESS

📖 Free access to information

📖 Unrestricted use of electronic resources

📖 A journal is OA if

📖 content is freely accessible at no cost to the reader

📖 anyone can freely use, copy, distribute – with attribution

📖 it is made freely available immediately in electronic form in at least one repository

📖 Hybrid journals with subscription + OA are quite common

📖 Predatory Journals

📖 Elmore SA, Weston EH. Predatory Journals: What They Are and How to Avoid Them. *Toxicol Pathol.* 2020;48(4):607-610. doi:10.1177/0192623320920209