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EVENT

# Your Research Journey: From Zero to Hero



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In collaboration with the Technology Community Club



HERE WE GO

## EVENT OUTLINE

- The Importance of research
- Types of academic publications & identifiers
- Evaluating publication venues
- Factors to help you choose a venue
- Useful tools & resources for researchers
- Tips for success in academic publishing
- Research ethics and integrity
- Q&A

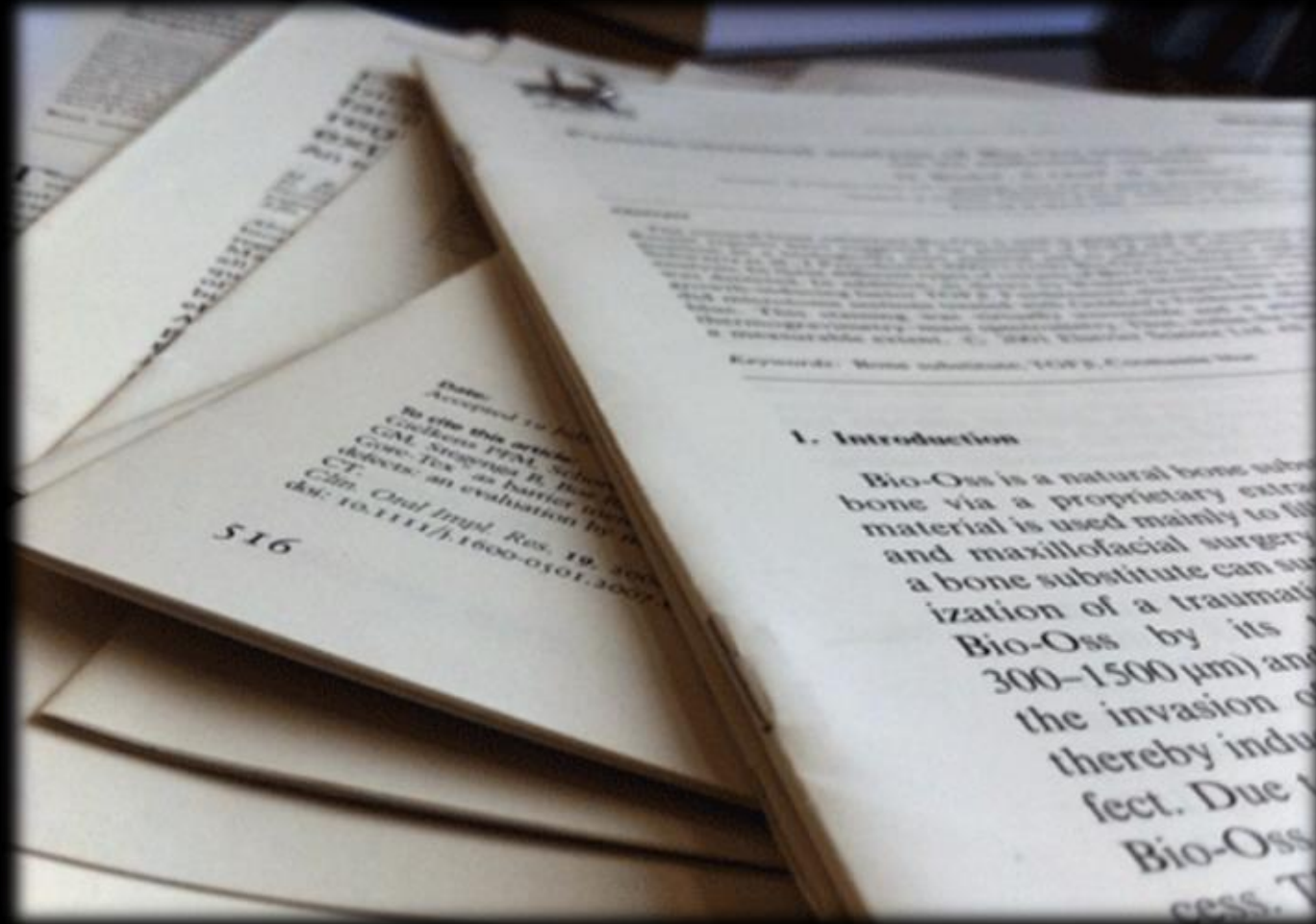



Image source: <https://www.sciencedocs.com/writing-a-research-paper-discussion>

# Importance of Research

## **Significance of research in academia and society**

- Develops critical thinking and problem-solving
- Drives innovation and technological advancements – improvements on various industries
- Addresses global issues (climate change, poverty, and inequality, etc)
- Informs evidence-based policy-making (e.g.: early childhood edu programs, EVCs, etc)

## **Role of Publications in career development and knowledge dissemination**

- Showcases expertise and enhances reputation (for students (MS/PhD) & researchers..
  - Builds networks and collaborations (opening doors to new research opportunities, funding, etc)
  - Fosters idea exchange and collaboration – driving progress of knowledge
  - Bridges the gap between academia and society (industry, policymakers, general public) – (e.g.: a study on renewable energy)
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# Types of Academic Publications and Identifiers

Publication Type	Description	Key Features
Journal articles	Peer-reviewed research papers published in academic journals	<ul style="list-style-type: none"><li>- Contribute to field knowledge</li><li>- Highly specialized</li></ul>
Conference articles	Research findings presented at conferences	<ul style="list-style-type: none"><li>- Networking opportunities</li><li>- Feedback and discussion</li></ul>
Book chapters	Contributions to edited volumes or textbooks	<ul style="list-style-type: none"><li>- In-depth exploration of a topic or theme</li><li>- Broader or more specialized audience</li></ul>
Magazine articles	Articles published in academic or professional magazines	<ul style="list-style-type: none"><li>- Wider audience</li><li>- Discuss recent research, trends, or applications</li></ul>

Identifier	Full Name	Applicable To
DOI	Digital Object Identifier	Online articles
ISBN	International Standard Book Number	Books
ISSN	International Standard Serial Number	Journals and magazines



# Evaluating Publication Venues

## **Prestige and ease of publishing**

Journals > Books > Conferences (high rep) > Book Chapters > Magazine articles

## **Journal evaluation criteria**

1. Quartiles (Q1 best, Q4 worst): Rankings based on citation impact
2. H-Index: Journal's overall citation impact
3. Impact factor ( $\geq 3$  is good): Average citations per published article
4. CiteScore ( $\geq 3$  is good): Citations received per document published



# Factors to help you choose a venue

1. Reputation
2. Suitability
3. Acceptance rates
4. Time-to-publication
5. Types of access (Open Access vs. Subscription-based)





# Useful tools & resources for researchers

## Indexing

Scopus: <https://www.scopus.com/sources.uri?zone=TopNavBar&origin=searchbasic>

Google Scholar: <https://scholar.google.com/>

ResearchGate: <https://www.researchgate.net/>

Predatory journals list: <https://beallslist.net/>

## Statistics

Journal statistics and information: <https://www.scimagojr.com/>

Clarivate: <https://jcr.clarivate.com/>

## Citation Management

BibTeX: <http://www.bibtex.org/>

Mendeley Reference Manager: <https://www.mendeley.com/reference-management/reference-manager>

## Finding data & papers

Sci-Hub <https://sci-hub.se/>

Google Datasets: <https://datasetsearch.research.google.com/>

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# Tips for Success in Academic Publishing

## 1. Writing and editing strategies

- Create a clear outline before writing
- Use concise and precise language
- Revise and edit multiple times
- Seek feedback from peers and mentors

## 3. Utilizing university resources

- Access research databases and journals
- Seek support from faculty
- Attend research-related events and workshops
- Honors Program
- myResearch.aui.ma [coming soon]
- Courses (App. Res. / App. Und. Res/ Sci.Res.)

## 2. Collaboration and networking

- Build relationships with other researchers
- Attend conferences and workshops
- Join online communities and forums
- Collaborate on projects and publications

## 4. Continuous learning

- Stay updated on new research and trends in your field (or beyond)
- Participate in training programs (e.g.: online)
- Engage in self-directed learning and skill development (e.g.: online certs)

# Research Ethics and Integrity

## 1. Avoiding plagiarism

- Properly paraphrase or quote sources
- Accurately cite all references
- Use plagiarism-checking tools e.g.: Ithenticate

## 3. Data accuracy and transparency

- Maintain honest and accurate records:
  - . Observations without manipulation
  - . Raw calculations
  - . Transparent about limitations, uncertainties, or assumptions
- Ensure data reproducibility
- Disclose conflicts of interest and funding sources

## 2. Proper citation and credit

- Give credit to original authors and sources
- Follow citation style guidelines
- Keep a comprehensive reference list

## 4. One submission at a time

- Submit work to only one journal or conference at a time.
- Avoid duplicate or simultaneous submissions.

“Research is not just about writing papers, crafting code, or conducting experiments – it's a symphony of all these elements harmoniously working together to create groundbreaking discoveries and innovation.”

— ChatGPT

# THANK YOU!



# Q&A

