

How to publish your results

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Overview

- Reasons to publish
- Different venues
- How is a journal organized?
- How to select a journal?
- Different article types
- Strategies for success



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Why to publish?

Academic publishing:

Move current knowledge base forward by building upon the work of others

- Share your experiences in medical education
- Present new findings or insights
- Comment on previously published work



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Venues to present



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Venues to present

- Presentations at your own institution
- National medical education conferences
- International medical education conferences
- Local newsletters
- Academic journal
- Book(chapter)
- Thesis
- Digital repositories



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Conferences

- Poster or oral presentation
- Short abstract of presentation
- Publication in program book/proceedings
- Quality requirements less strict

Goal: discussion, improve and strengthen your research



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Written domain

Academic Journals

- Full manuscripts
- Peer-review
- Quality requirements very strict
- Traditional or Open Access publication model



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Written domain

Academic Journals extraordinary growth

Trend over the years:

- Does it work? (describe)
- Does it work better? (compare)
- **What works better in which context?**
- **Why does it work? (explain)**

Move current knowledge base forward by building upon the work of others



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Digital Repositories

Publish your digital 'products' such as:

- Slides
- Cases
- Images

MedEdPORTAL (AAMC)

- Peer-reviewed
- Formal citation



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How does a journal work?



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How does a journal work?

Major steps

1. Submission process
2. First selection by Editor-in-Chief
3. Review process
4. Revision process
5. Publication in journal



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Submission

Read the **Instruction for Authors**

- Style
- Language
- Types of manuscripts
- Referencing
- File format for manuscript and figures
- Internal Review Board approval

Incomplete will be returned!



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First Selection

By Editor-in-Chief

- Topic appropriate for journal
- Manuscript interesting for audience
- Volume considerations

Selected means: the Editor-in-Chief considers publication on condition of good quality of work



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Review process

- Peer review: peers/experts in the field (reviewers) critically look at author's scholarly work before a paper is published in a journal
- Typically 3 or more independent experts
- Guided by an (associate) editor
- Open, single-blinded or double-blinded review



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Review process

Peer review:

- Quality check
- Critically analyzed (study design, analysis)
- Constructive comments to authors

Goal is to provide comments to improve the work to make it acceptable for publication; authors can benefit from that



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Revision process

- Carefully read the comments
- Make adjustments as requested
- If the author disagrees, let editor know!
- Try to respond in time

If revised appropriately > publication
If not > re-revision of rejection



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How to select a journal?



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Basic Science Education (*n=5*)
Advances in Physiology Education
Anatomical Sciences Education
Biochemistry and Molecular Biology Education
Cell Biology Education-Life Sc. Ed
J. Microbiology & Biology Education

Chiropractic Education (*n=1*)
J. of Chiropractic Education

Clinical Education (*n=13*)
Academic Emergency Medicine
Academic Pediatrics
Academic Psychiatry
Acad. Radiology
Am. J. of Medicine
Am. J. Obst. & Gynec.
Am. J. Surgery
Cristian Medical J.
JAMA - Education Issue
J. of Gen. Internal Medicine - Educ. Section
J. Family Medicine
Neurology
Obst. & Gynec.

Dental Education (*n=2*)
European Journal of Dental Education
J. of Dental Education

Medical Education (*n=36*)
Academic Medicine
Advances in Health Sciences Education
BMC. Medical Education
Can. Med. Educ. J.
Education for Health
Education for Primary Care
Investigação em Educação Médica
Education Medica (Spain)
Evaluation in the Health Profession
Focus on HPE
German J. of Medical Education
Gerontology & Geriatrics Education
International J. of Clinical Skills
International J. of Medical Education
Internat. J. Allied H. Sc. & Pract.
Internat. J. of Medical Education
J. Continuing Education in the HP
J. of European CME
J. of Graduate Medical Education
J. Medical Education
J. Nippon Medical School
J. Surgical Educ.
MedEdPortal
Medical Education
Med Ed Development
Medical Education On-Line
Medical Science Educator
Medical Teacher
Open Med Educ. J.
Pedagogic Medicals
Perspectives on Medical Education
Revista Brasileira de Educação Médica

Simulation in Health Care
South East Asian J. Medical Education
Teaching & Learning in Medicine
The Clinical Teacher

Interprofessional Care (*n=2*)
J. of Interprofessional Care
J. of Research in Interprof. Practice in Educ.

Nursing Education (*n=6*)
Internat. J. of Nursing Education
Scholarship
J. of Continuing Education in Nursing
J. of Nursing Education
Nurse Education Today
Nursing Education Perspectives
Clinical Simulation in Nursing

Osteopathic Medicine (*n=1*)
J. Am. Osteopathic Assoc.

Pharmacy Education (*n=2*)
Am. J. Pharmaceutical Education
Pharmacy Education

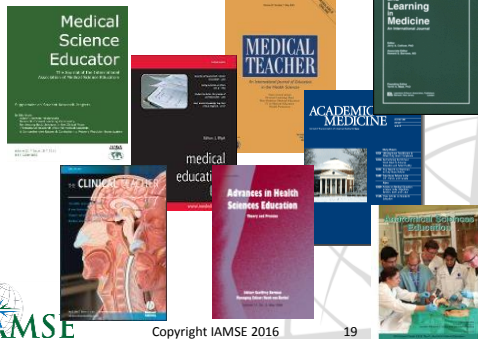
Physical Therapy Education (*n=1*)
American J. of Physical Therapy Education

Physician Assistant Education (*n=1*)
J. of Physician Assistant Education

Veterinary Education (*n=1*)
J. of Veterinary Medical Education

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Journal selection



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Journal selection

- Which journal to choose?
 - Appropriate field (in doubt: ask Editor)
 - Readership
 - Rejection rate
 - Previous experiences
 - Traditional or Open Access publishing model
 - Indexed in PubMed or not
 - Prestige of journal (well read, impact factor)



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Journal selection

Publishing Models

- Traditional Publishing model
 - Free submission
 - Reader pays by journal subscription
- Open Access Publishing
 - Journal free available
 - Authors pays by submission fees
- Mixed model



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Journal selection

Citation Index:

Bibliographic index to trace the progress of research by searching the published works that cite a particular author or article (*building upon the work of others*)

Academic citation indexes:

MEDLINE, Web of Science, Scopus, Google Scholar, Science Citation Index, Index Medicus, ...



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Journal selection

PubMed:

Free search engine including citations from MEDLINE and others. Maintained by US National Library of Medicine (NLM) at the National Institutes of Health (NIH). Only journals that meet PubMed's scientific standards are indexed (quality control)

The impact factor:

Average number of citations received per paper published in that journal during 2 preceding years



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Journal selection

- PubMed indexed journal
- High impact factor

Favorite journals > higher rejection rate > makes is also more difficult 'to get in'....



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Article types



Article types

Common mistake:

- 1st choice = research article full data

But there is more!

- short communications preliminary data
- Monograph general topic
- Commentary viewpoints
- Innovation no data, just idea
- 12-Tips how-to



Example of research article

How to Identify At-Risk Medical Students Based on Learning Style, Personality Indicators and Learning Strategy Tests - a Mixed Method for a Pilot Study

Abstract: The purpose of this study was to identify at-risk medical students based on learning style, personality indicators and learning strategy tests. The study was conducted in a pilot manner. The results showed that the combination of learning style, personality indicators and learning strategy tests can be used to identify at-risk medical students. The study also found that the combination of learning style, personality indicators and learning strategy tests can be used to identify at-risk medical students.

Keywords: Learning style, Personality indicators, Learning strategy tests, At-risk medical students.



Example of research article

How to Identify At-Risk Medical Students Based on Learning Style, Personality Indicators and Learning Strategy Tests - a Mixed Method for a Pilot Study

Abstract: The purpose of this study was to identify at-risk medical students based on learning style, personality indicators and learning strategy tests. The study was conducted in a pilot manner. The results showed that the combination of learning style, personality indicators and learning strategy tests can be used to identify at-risk medical students. The study also found that the combination of learning style, personality indicators and learning strategy tests can be used to identify at-risk medical students.

Keywords: Learning style, Personality indicators, Learning strategy tests, At-risk medical students.



Example of innovation

Teaching Third and Fourth Year Medical Students How to Cook: An Innovative Approach to Training Students in Lifestyle Modification for Chronic Disease Management

Abstract: The purpose of this study was to teach third and fourth year medical students how to cook. The study was conducted in a pilot manner. The results showed that teaching third and fourth year medical students how to cook can be used to train students in lifestyle modification for chronic disease management. The study also found that teaching third and fourth year medical students how to cook can be used to train students in lifestyle modification for chronic disease management.

Keywords: Teaching, Third and fourth year medical students, How to cook, Lifestyle modification, Chronic disease management.



Quality of writing

- Find time to write
- Focus on one topic
- Writing skills
- Write together
- Review by outsiders
- Check spelling and grammar
 - Non-native English writers



Authorship

Select co-authors wisely:

- Must be academically involved in the work
- Must contribute substantially to the writing
- Experienced or know in the field
- Keep the number of co-authors limited

Others can be acknowledged:

- Statistician
- Translator



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Strategies for success



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Strategies for success

- Decide what you want to present to who in which way (content – audience/journal – article type)
 - Choose an appropriate journal
 - Select the appropriate article type
- Become familiar with the journal of your choice
- Follow the instructions for authors strictly (layout, PDF, JPG, length, references etc)



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Strategies for success

- Choose good co-authors, get feedback from outsiders and have grammar checked

After review

- Try to understand the review comments and revise if you agree
- Meet revision deadlines or inform the journal



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Questions



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