An introduction to the scientific publishing “system” for Educational Technology PhD students

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Overview

1. Scientific Publishing
2. Scientific Indexes
3. Open Access Publishing
4. The 10CC journal & conference list
Scientific publishing

What is scientific publishing?

• Publishing, that reports results from research that uses scientific methods?
• Publications from scientific organizations?
• Publishing in scientific journals & books?
Scientific publishing is the publication of contributions in outlets that are recognized as scientific. What is scientific is based on a social agreement and is socially determined!
Scientific Indexes

- ISI: The mother of all scientific indexes
  - Based on ideas of Eugene Garfield (Science 1955)
  - SCI (ca. 3700 journals), SSCI (ca. 1700 journals), AHCI (ca. 1100 journals)
  - Co-Citation analysis/Impact factor
  - Bibliometrics
Scientific Indexes

• The impact factor
  • Reported in the journal citation report (JCR)
    • Number of articles per year, Citations of these articles in itself or other scientific journals
  • Journal Impact Factor
  • Journal Immediacy Index
  • Cited/Cited Half-Life/
Scientific Indexes

• The impact factor (cont’d)
  • Impact factor 2007 calculation
    • A: Number of times articles published in 2005 were cited in other indexed journals
    • B: Number of articles, reviews etc. published in 2005

IF = A/B
Scientific Indexes

• Alternatives
  
  • Scopus, Science Direct (Elsevier)
  • Citeseer (Computer Science), PsycInfo (Psychology), RePec (Economics), IEEExplore (CS)
  • Google Scholar, CrossRef
Scientific Indexes

• Pros
  • Objective Measurement Instrument of Scientific Output
  • Impact Factor leads to Standardization for a Discipline

• Cons
  • Very slow method: Always lacking behind
  • Monopoly/Oligopoly
  • Anglo-centric
  • Journal-centric
Open Access Publishing

• Why Open Access?
  • To reach a higher impact (current discussion Craig et al. 2007)
  • Publicly funded research should be accessible by the public
  • To support the commons
  • Speed up innovation
Open Access Publishing

• Ways to OAP
  • Submit to OA journals
  • Deposit pre-prints/post-prints in OAI-compatible repositories (like Dspace)
  • Ensure that your publications are found by crawlers (e.g. GS)
Open Access Publishing

• The publishers (Sherpa Romeo List)
  - White Publishers: No self-archiving allowed
  - Yellow Publishers: Self-Archiving of Pre-Prints is allowed
  - Blue Publishers: Self-Archiving of Post-Prints is allowed
  - Green Publishers: Self-Archiving of Pre-and Post-Print allowed
The 10CC journal & conference list

• Available at http://wiki.tencompetence.org

• Requests for new journals/conferences: altjournals@gmail.com

• Request for comments on the list. How can we improve it?

• How can we enrich these list with individual experiences about review time for example?