DISRUPTIVE BUT NOT DISREPUTABLE: DISCUSSING OPEN ACCESS

Michele Gibney
PhD candidate in Informatics
Linnaeus University
INTRODUCTION

1. Evolution of Open Access
2. Publication Divide
3. Case Studies
PRINT → SUBSCRIPTION DATABASES
WHEELING AND DEALING

• Bibsam Consortium (Sweden) & Cambridge University Press (January 1, 2019)
  • Access and waives Article Processing Charges (APCs) for fully OA and hybrid OA journals

• Germany & Wiley (January 15, 2019)
  • Approximately $26 million USD for access and cost of APCs

• University of California system & Cambridge University Press (April 10, 2019)
  • Access and waives APCs for fully OA and hybrid OA journals

• Norway & Elsevier (April 23, 2019)
  • $10 million USD for access and publication up to 2,000 OA articles/year
Plan S

Making full and immediate Open Access a reality

https://www.coalition-s.org/
“Plan S requires that, from 2020, scientific publications that result from research funded by public grants must be published in compliant Open Access journals or platforms.”

https://www.coalition-s.org/

Sweden: Swedish Research Council for Sustainable Development (Formas) [sv]; Swedish Research Council for Health, Working Life and Welfare (Forte); Swedish Riksbank's Jubilee Fond (RJ)
Promotion and Tenure
requirements (high impact journals)

- Generally closed access (behind subscription paywalls)

Country or university Open Access Mandates

- Universality of the scientific enterprise
- Citation benefits
- Potential costs
ARTICLE PROCESSING CHARGES IN SUBSCRIPTION JOURNALS

Varies widely:
- from $0 - $5,000

Who is paying?
- Author
- Funder
- Institution

CHANGE PROMOTION AND TENURE
USE PRE- & POST-PRINT SERVERS
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[Logos of various pre-print servers and learning platforms]

https://figshare.com/
https://eric.ed.gov/
https://scholar.google.com/
SHERPA/ROMEO

http://www.sherpa.ac.uk/romeo/search.php
COPYRIGHT CHECK: PUBLISHER’S PDF

http://scholarlycommons.pacific.edu/dugoni-facarticles/31/
COPYRIGHT CHECK: VERSIONS

Publisher’s PDF

Post-Print

Benefits of a Comprehensive Undergraduate Teaching Assistant Program

Abstract
The Undergraduate Teaching Assistant (UTA) Program at the University of Arizona requires students to take undergraduate mathematics classes, providing a comprehensive review of mathematics. The program enables students to pursue advanced undergraduate courses, focusing on a wide range of topics, including calculus, linear algebra, and differential equations. The benefits of the program are significant, as it enhances students' understanding of mathematics and prepares them for future careers in science, engineering, and other fields.

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The University of Arizona Mathematics Department has long been a leader in undergraduate education, with a strong emphasis on pedagogical innovation. The program has been designed to provide students with a unique opportunity to gain hands-on experience in teaching and learning. Through this program, students develop skills in communication, critical thinking, and problem-solving, which are essential for success in their future careers.

Key Words: Undergraduate teaching assistant, qualitative and quantitative benefits

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CITATION BENEFITS

• 2005 study on open access articles 2.1% more likely to be cited 4-10 months after publication; 2.9% more likely after 10-16 months*

• 2012 study found that "48% of trials with publicly available microarray data received 85% of the aggregate citations. Publicly available data was significantly (p=0.006) associated with a 69% increase in citations…”**

• 2018 study: “OA articles receive 18% more citations than average”***


**Piwowar, H. et al. (2007) “Sharing Detailed Research Data Is Associated with Increased Citation Rate”. PLOS One 2(3): e308. https://doi.org/10.1371/journal.pone.0000308

When you explore the scholarly literature to find new journal articles and monographs relevant to your research interests, how do you most often begin your process?

invited 150,941 faculty participants

received 10,919 complete responses

MAY 2019: PLOS JOURNALS — OPEN PEER REVIEW

https://blogs.plos.org/plos/2019/05/plos-journals-now-open-for-published-peer-review/
SWITCHING GEARS
MY STUDIES

Institutional Repositories
Open Access Approaches in Social Sciences, Arts and Humanities
Open Educational Resources Impact
Open Electronic Theses and Dissertations
INSTITUTIONAL REPOSITORIES

UBT Knowledge Center
University for Business and Technology
Prishtina, Kosovo

https://knowledgecenter.ubt-uni.net/

Creative Commons Attribution 4.0 International
USAGE — 3,000 DOWNLOADS/5 MONTHS
FOCUS GROUPS
OPEN ACCESS APPROACHES IN SOCIAL SCIENCES, ARTS, AND HUMANITIES

University of Technology, Sydney, Australia

Surveyed Humanities, Arts, and Social Sciences faculty
- Knowledge of Open Access
- Publisher choices
- Social media use to promote publication
- Assessing research impact

Conclusions
- Limited knowledge of Open Access
- Journal impact factor plays a huge role
- Limited use of social media to promote
- Google Scholar citations for assessment

OPEN EDUCATIONAL RESOURCES

1 in 5 college students has skipped or deferred a class due to the price of required learning resources

60% of students delay buying textbooks until received financial aid

7 in 10 students don’t purchase a required textbook because of price

University of Georgia, Biology, 1,299 students, 88% surveyed thought the OpenStax Biology text quality was about the same, higher or much higher than other textbooks

Statistics from Chronicle of Higher Education, Cengage, and Open Education Group Review Project
Pacific Survey on textbook prices

Pacific Opens Up – whiteboard during Open Education Week, March 5-9, 2018
(PC: Michele Gibney)
OPEN EDUCATIONAL RESOURCES

Pacific Survey on textbook prices

Pacific Opens Up – whiteboard during Open Education Week, March 4-8, 2019
(PC: Michele Gibney)
OPEN EDUCATIONAL RESOURCES

Pacific Opens Up – social media during Open Education Week, March 4-8, 2019
(PC: Thy Son)

66 likes
pacificlibraries Check out what our #UOPacific Tigers would rather have spent their textbook money on this year: Swing by our open textbook display on the 2nd floor through March 8th to learn how you can save money on textbooks with open educational resources. See bio for more info!

51 likes
pacificlibraries Students at #UOPacific share their textbook costs stories. Thanks to everyone that stopped by our open textbook display today! See bio for more info about OERs.

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OPEN ELECTRONIC THESSES AND DISSERTATIONS
ALUMNI ETD SURVEY (2017)
NOVA SOUTHEASTERN UNIVERSITY

1. Year Graduated from NSU?

- 2000-2017: 64%
- 1990-1999: 11%
- 1980-1989: 5%

2. Are you currently working in a field related to your NSU degree?

3. Author Dashboard and Readership Report Questions

- Have you received a monthly Author Dashboard Report email detailing your download statistics?
- Have you visited your Author Dashboard page to see additional statistics (through email or account)?

4. Do you have a link to your online thesis/dissertation in an online CV or website, such as LinkedIn?

5. On a scale of 1-10, how has having your thesis/dissertation being online affected you post graduation?

- 6% (1/2)
- 9% (3/4)
- 15% (5/8)
- 22% (7/8)
- 17% (9/10)

NSUWorks has proven to be an indispensable and efficient tool for showcasing my graduate work to a large audience. Sharing my thesis and tracking readership is a breeze using the direct electronic link. My thesis has been downloaded 358 times since its publication one year ago, and I couldn’t have reached that many people without NSUWorks!
ALUMNI ETD SURVEY 2019
UNIVERSITY OF THE PACIFIC

Data coming soon