

2018

ScholarWorks@UMassAmherst: The First 10 Years, 2006-2017

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Recommended Citation

Jerome, Erin, "ScholarWorks@UMassAmherst: The First 10 Years, 2006-2017" (2018). *Ten Year Report*. 70.

<https://doi.org/10.7275/R5V40SDK>

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ScholarWorks@UMassAmherst

The first 10 years, 2006-2017

University of Massachusetts Amherst Libraries

<https://scholarworks.umass.edu/>

Introduction

The University of Massachusetts Libraries launched ScholarWorks@UMassAmherst in July 2006. ScholarWorks, which runs on bepress' Digital Commons platform, promotes and provides access to scholarly material produced by UMass Amherst faculty, researchers and students.

Prior to May 2016, ScholarWorks was administered and managed by Marilyn Billings, Scholarly Communication and Special Initiatives Librarian. Between 2006 and 2016, Marilyn was assisted by a number of two-year Scholarly Communication Resident Librarians as well as members of Information Resources Management. Erin Jerome, Open Access and Institutional Repository Librarian, took over the administration and management of ScholarWorks in May 2016. Meghan Bergin, Lucy DeGozzaldi, and Ann Kardos from Information Resources Management, provide support for the ongoing retrospective theses and dissertations (ETD) digitization project.

2016 – 2017 Highlights

- ScholarWorks continues to see growth with 5,255 works added in FY17. This represents a 9.16% increase from the 4,814 works added in FY16. This is partly the result of improved importing and exporting capabilities between ScholarWorks and the SelectedWorks researcher profile pages.
- ScholarWorks saw a 9.96% increase in full-text downloads from 1,479,463 in FY16 to 1,626,823 in FY17.
- The three most downloaded collections were the Masters Theses 1911-February 2014 (1,993,285); Graduate Student Research Conference in Hospitality and Tourism (1,065,471); the original dissertations collection, Open_Access_Dissertations (797,736).
- Standardization of metadata and submission forms for faculty publication series in all disciplines in preparation for the implementation of the Faculty Open Access Policy.
- Creation of the [Submit Research](#) page in preparation for the implementation of the Faculty Open Access Policy.
- Continuing metadata cleanup and standardization across all of ScholarWorks
- The ongoing retrospective ETD digitization project.
- Highlighted new collections/series include:
 - [STEM Education Institute](#)
 - [Integrated Concentration in Science \(iCons\)](#)
 - [Linguistics Open Access Publications](#)
 - [Free and Open Source Software for Geospatial \(FOSS4G\) Conference Proceedings](#)
 - [University of Massachusetts Undergraduate History Journal](#)
 - [CHESS Conference Panels](#)
 - [Bookmark: The magazine of the UMass Amherst Libraries](#)
 - [Health Promotion and Policy Faculty Publication Series](#)
 - [Biostatistics and Epidemiology Faculty Publications Series](#)
 - [ALADN](#)
 - [Classics Faculty Publication Series](#)
 - [Environmental Health Sciences Faculty Publication Series](#)

- And many new series for the [Center for International Education](#)

Future Projects

- Creation and support for Data and Datasets series
- Ongoing permanent identifier (DOI, ISSN, ISBN) editing for implementation of Altmetric badges
- Increased collaboration with the University of Massachusetts Press
- Continued outreach for Faculty Open Access Policy
- Angelika Kratzer's FestSite consisting of an open access *festschrift*, image gallery, and personal essays
- The establishing of the Open Working Papers in Linguistics

Measuring the Impact of ScholarWorks

The readership distribution map, readership by country, and readership by institution analytics were introduced to the Digital Commons analytics dashboard in December 2014. While these statistics are not available for the full ten years of ScholarWorks' existence, they are worth sharing as they illustrate the global reach of the collections housed within it.

Readership Distribution (12/16/2014 – 06/30/17)

The readership distribution map indicates the number of downloads by country and illustrates the global reach of the collections housed in ScholarWorks.



Readership by Country – Top 50 (12/16/2014 – 6/30/17)

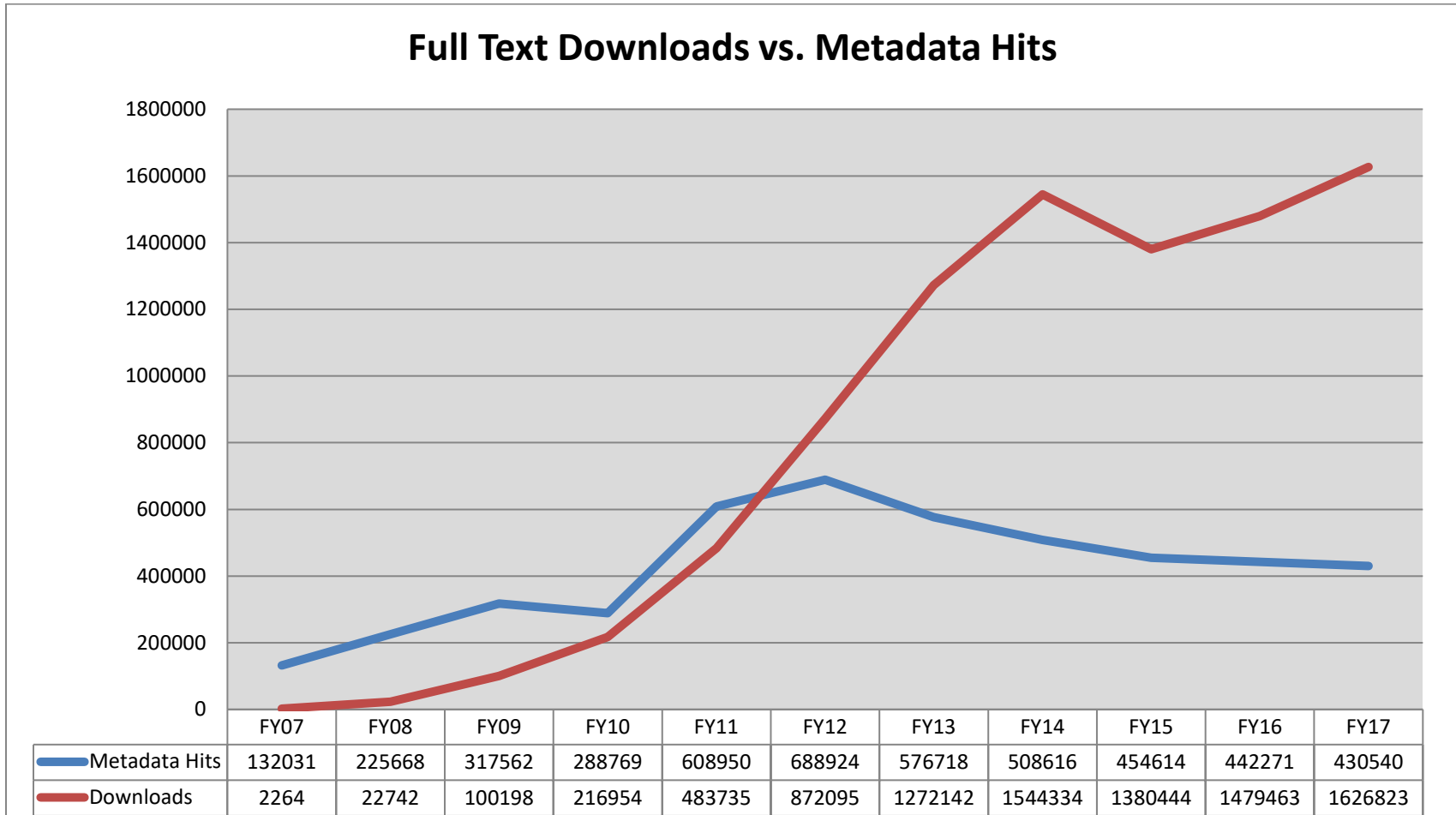
- | | | |
|------------------------|---------------|--------------------------|
| 1. United States | 18. Nigeria | 35. Ukraine |
| 2. United Kingdom | 19. Italy | 36. Mexico |
| 3. India | 20. Singapore | 37. Sweden |
| 4. Philippines | 21. Vietnam | 38. New Zealand |
| 5. China | 22. Turkey | 39. Ghana |
| 6. Canada | 23. Hong Kong | 40. Tanzania |
| 7. Germany | 24. Thailand | 41. Iceland |
| 8. Australia | 25. Hong Kong | 42. United Arab Emirates |
| 9. Malaysia | 26. Japan | 43. Greece |
| 10. France | 27. Brazil | 44. Portugal |
| 11. Indonesia | 28. Spain | 45. Saudi Arabia |
| 12. Russian Federation | 29. Kenya | 46. Zimbabwe |
| 13. Netherlands | 30. Taiwan | 47. Denmark |
| 14. Pakistan | 31. Egypt | 48. Romania |
| 15. Iran | 32. Ireland | 49. Sri Lanka |
| 16. South Africa | 33. Ethiopia | 50. Austria |
| 17. Korea | 34. Poland | |

Readership by Academic Institution – Top 50 (12/16-2014-6/30/2017)

1. University of Massachusetts Amherst
2. Fundacao Para a Ciencia e a Tecnologia I.P. (Portugal)
3. MOEC (Cyprus Ministry of Education and Culture)
4. Taiwan Academic Network
5. Research Center of Theoretical Physics & Mathematics (IPM) (Iran)
6. Rajesh Kumar
7. North Carolina Research and Education Network
8. Danmarks Tekniske Universitet (Denmark)
9. University of Cambridge
10. New York University
11. Universiti Putra Malaysia Campus Network
12. USAISC Headquarters
13. University of Toronto
14. University of Minnesota
15. Oxford University
16. Harvard University
17. University of California Los Angeles
18. University of Maryland
19. University of California Berkeley
20. Universiti Teknologi Malaysia
21. University of Florida
22. Department of Veterans Affairs
23. Univer (Russia?)
24. Columbia University
25. Stanford University
26. Korean Education Network
27. MIT
28. Rutgers University
29. Cornell University
30. Michigan State University
31. University of Illinois
32. University of Kwazulu-Natal (South Africa)
33. Universiti Sains Malaysia Penang Malaysia
34. University of Wisconsin Madison
35. National University of Singapore
36. University of Leeds
37. Indiana University
38. Lockheed Martin Corporation
39. Texas A&M University
40. Nanyang Technological University
41. Lanka Education and Research Network (Sri Lanka)
42. University of Colorado
43. Yale University
44. Ohio State University
45. The Pennsylvania State Universtiy
46. University of Zambia
47. University of Pennsylvania
48. University of Washington
49. University of North Carolina Chapel Hill
50. Colorado State University

ScholarWorks' Growth, 2006-2017

As full-text content has continued to be added to ScholarWorks, the number of full-text downloads has surpassed metadata page hits.



1. A metadata page hit means that the record was viewed but the associated PDF was not downloaded.
2. ScholarWorks contains mostly full text content, with some embargoed dissertations and theses and some metadata only content.

Most Downloaded Collections

Collections	Downloads
Masters Theses 1911 – February 2014*	1993285
Graduate Student Research Conference in Hospitality and Tourism	1065471
Open Access Dissertations*	797736
International CHRIE Conference-Refereed Track	390509
PERI Working Papers	266093
Journal of Hospitality Financial Management	242230
College of Nursing Faculty Publication Series	241135
Doctor of Nursing Practice (DNP) Projects	192326
Computer Science Department Faculty Publication Series	165783
Contributions in Black Studies	156479
Linguistics Department Faculty Publication Series	148844
Doctoral Dissertations*	139285
Masters Theses*	139191
Proceedings of the Annual International Conference on Soils, Sediments, Water and Energy	136781
Economics Working Paper Series	129632

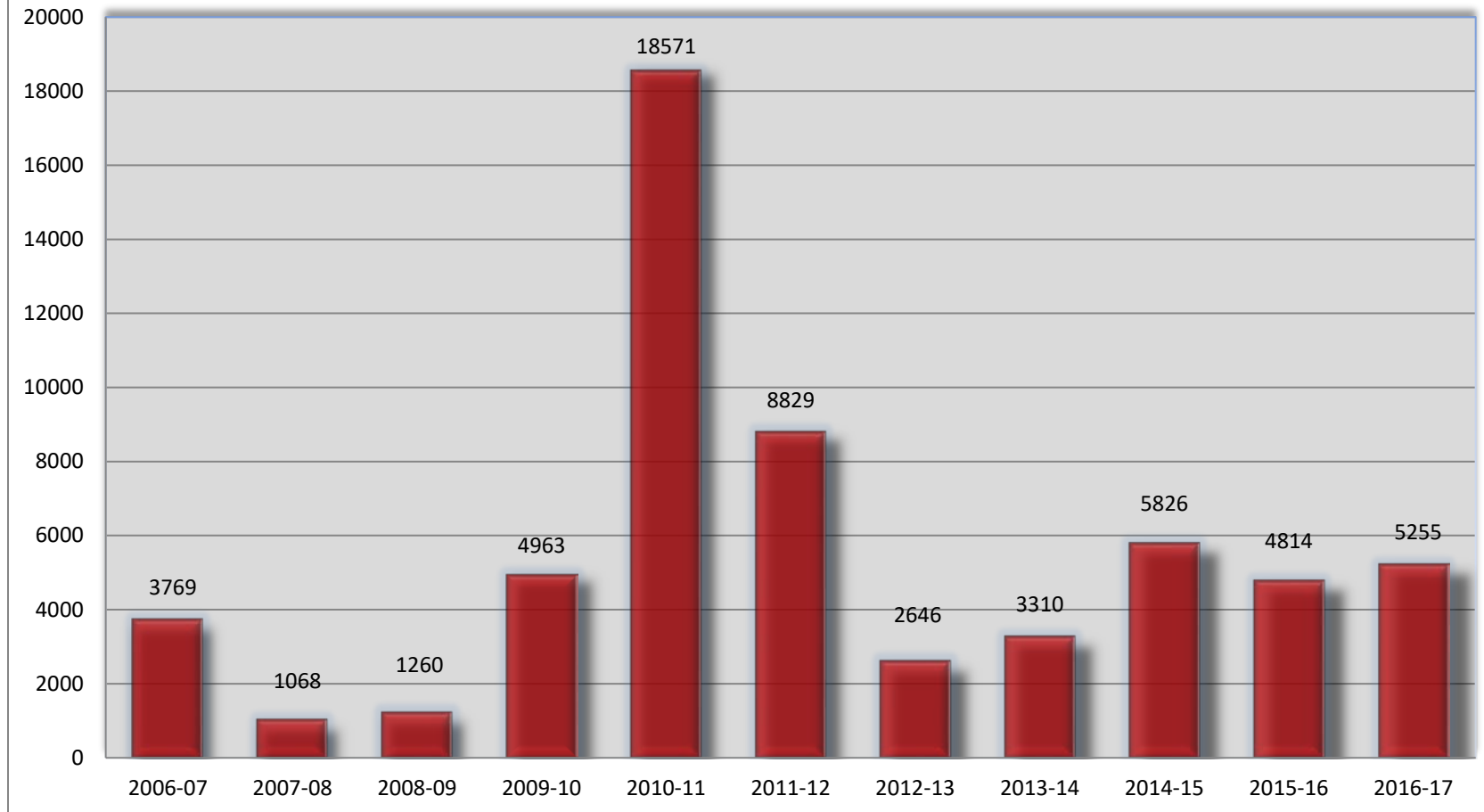
* Prior to FY17, we had three distinct Dissertation series and two distinct Masters Theses series. The Dissertation and Theses series have since been merged to make the ETDs in ScholarWorks more user friendly: [Doctoral Dissertations](#) and [Masters Theses](#)

20 Most Downloaded Items

Item	Downloads
How to Do Case Study Research (Faculty Publication)	239262
A Translation from English to Spanish of Selected Chapters from Dionne Brand's What We All Long For (Master's Thesis)	231016
The Impact of Language Barrier & Cultural Differences on Restaurant Experiences: A Grounded Approach (Graduate Student Conference Presentation)	169381
Theme Park Development Costs: Initial Cost Per First Year Attendee (Graduate Student Conference Presentation)	81324
Ratio Analysis for the Hospitality Industry: A Cross Sector Comparison of Financial Trends in the Lodging, Restaurant, Airline and Amusement Sectors (ScholarWorks Hosted Journal Article)	42483
The Analysis of Factors Affecting Choice of College: A Case Study of UNLV Hotel College Students (Graduate Student Conference Presentation)	40857
Chapter 1, Background of the Study (Anthropology Department Research Report)	39652
The Human Development Index: A History (PERI Working Papers)	39127
The Efforts of Therapists in the First Session to Establish a Therapeutic Alliance (Master's Thesis)	33820
The Form of the Preludes to Bach's	33668

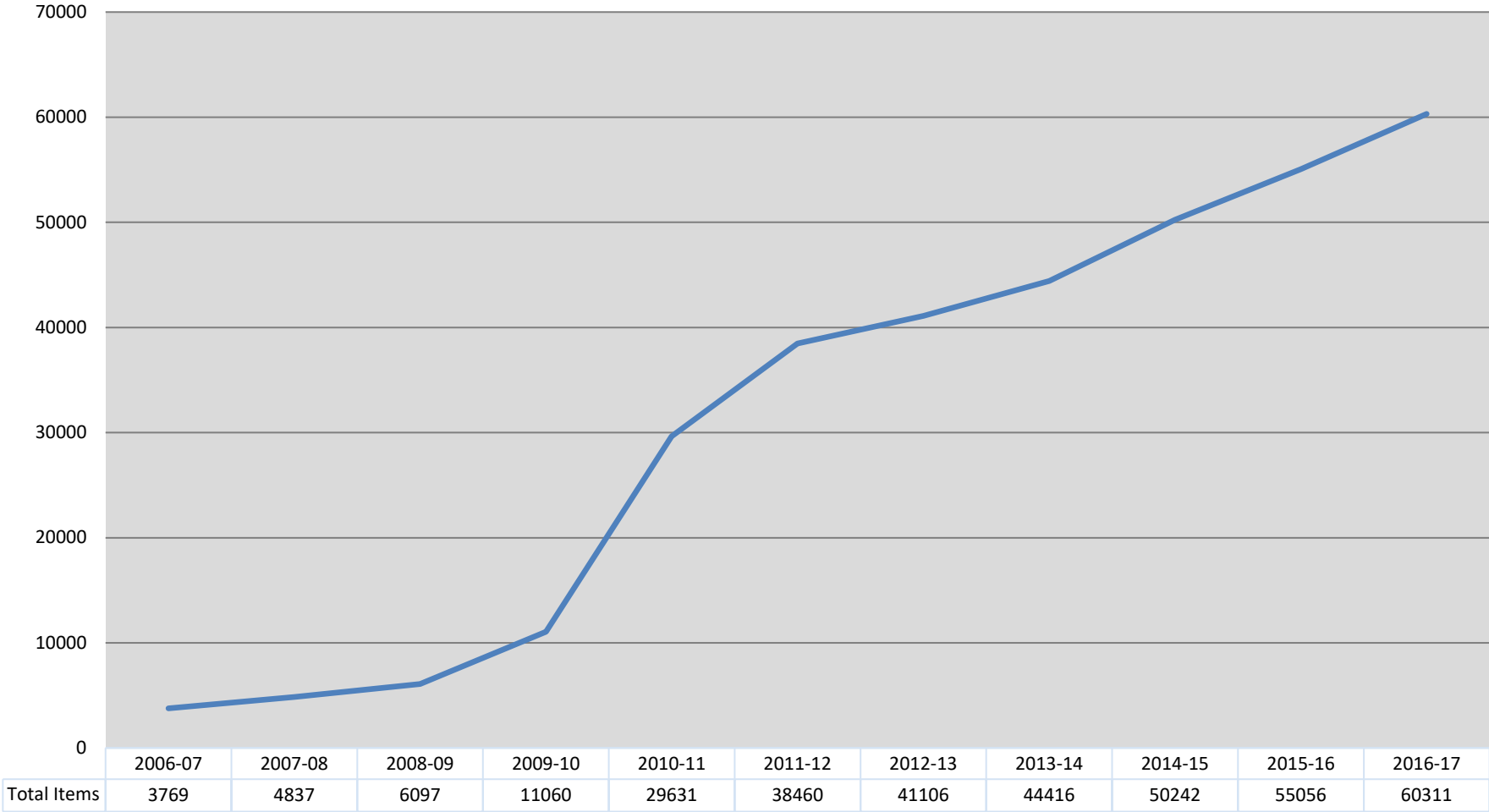
Item	Downloads
Unaccompanied Cello Suites (Master's Thesis)	
Case Study: Bhopal Plant Disaster (Science, Technology and Society Initiative)	32080
Simulations of Flow Over Wind Turbines (Master's Thesis)	30307
Case Study: Narmada Dams Controversy (Science, Technology and Society Initiative)	28176
Students' Perceptions of Effectiveness of Hospitality Curricula and Their Preparedness (Master's Thesis)	24913
The Relationship between Types of Tourist and Destination Authenticity (Graduate Student Conference Presentation)	24868
Stereotypory of Contemporary Native American Indian Characters in Recent Popular Media (Master's Thesis)	22982
Evaluation of Selected Medicinal Plants Extracted in Different Ethanol Concentrations for Antibacterial Activity Against Human Pathogens (ScholarWorks Hosted Journal Article)	22159
Rang De Basanti – Consumption, Citizenship and the Public Sphere (Master's Thesis)	21500
The Hotel Industry in India – The Past and the Present (ScholarWorks Hosted Journal Article)	21307
Using the Transtheoretical Model in Primary Care Weight Management: Tipping the Decisional Balance Scale for Exercise (DNP Project)	21289

Works Posted to ScholarWorks



1. The ScholarWorks team experimented with harvesting metadata only content from a number of databases in 2010-2011, resulting in a significant jump in works posted for that year. The majority of the works posted during that period are metadata only in contrast to the full text postings from other years.

ScholarWorks' Growth over Ten Years



Digital Object Identifiers (DOIs)

The Scholarly Communication department has been creating DOIs for objects uploaded to ScholarWorks since 2012 through the California Digital Library's EZID. The office has created 215 DOIs since that time and demand for creating DOIs for our hosted journal articles as well as our datasets has risen since May 2016:

- 8 DOIs for datasets
- 202 DOIs for text-based objects (books and articles)
- 5 DOIs for images

Journals

The Digital Commons platform supports the publication of journals through ScholarWorks. Journal editors can use ScholarWorks for everything ranging from their calls for submissions, double blind peer review, and publication. ScholarWorks contains the archives of journals no longer being published in addition to hosting journals that are still active.

As of the end of FY17, ScholarWorks hosted the following actively publishing journals:

- *communication +1*
- *Journal of Medicinally Active Plants*
- *Landscapes of Violence*
- *mOthertongue*
- *University of Massachusetts Undergraduate History Journal*

Major accomplishment: *communication +1* was added to the Directory of Open Access Journals on 8 February 2016.

Two new conference proceedings were created during FY17 with the expectation of publishing volumes near the start of FY18:

- *Free and Open Source Software for Geospatial (FOSS4G) Conference Proceedings*
- *Proceedings of the Society for Computation in Linguistics*

Contributions in Black Studies, a journal archived in ScholarWorks, remains one of our most heavily downloaded works.

Electronic Theses and Dissertations (ETDs)

The Libraries currently collaborate with the Graduate School to collect the theses and dissertations of all graduate students in ScholarWorks. This collaboration began in 2009-2010 and, after many successful years, resulted in the abandonment of ProQuest as a dissertation collection tool in 2014.

ScholarWorks currently contains 1,740 dissertations and 552 Masters theses submitted from 2009 through the end of FY17.

Digitization Projects

The UMass Libraries began an ambitious multi-year project to digitize more than a hundred years' worth of its dissertations and theses in 2013. The uploading of the digitized theses and dissertations began in 2014. As of the end of FY17, we had digitized 3767 works with the following breakdown:

- 2422 Dissertations
- 1345 Theses

The breakdown of digitized theses and dissertations by department can be found in the appendix of this report.

Expert Gallery Suite (formerly known as SelectedWorks)

We currently manage 1,373 SelectedWorks researcher profile pages. During FY17, bepress re-branded these pages as the Expert Gallery Suite. While we offer to create pages for faculty members and researchers on their behalf, many members of the UMass community have created their own pages that they continue to manage on their own. The mostly self-assigned demographics break down as follows:

Position	Sum of Number of Profiles
Emeritus	1
Faculty Member	1314
Graduate Student	33
Industry Professional	1
Librarian	16
None Assigned	1
Non-Faculty Academic Position	1
Non-Faculty Academic Position, Faculty Member	2
Non-Faculty Academic Position, Fellow	1
Nurse	1
Student	1
Undergraduate Student	1
Grand Total	1373

Since the creation of the first SelectedWorks profile page in September 2007, profile owners and their designated proxies have uploaded 6,913 full-text items with a total of 1,429,594 downloads and 668,587 metadata page hits. A number of profiles still contain links to content hosted on external sites or metadata records and cleanup is an ongoing, continuous process.

Appendix

Digitized Dissertations by Department

Departments	Digitized Dissertations
Afro-American Studies	30
Agricultural and Food Economics	2
Agronomy	2
American Studies	1
Animal Biotechnology and Biomedical Sciences	8
Anthropology	10
Astronomy	90
Bacteriology	4
Biostatistics and Epidemiology	1
Chemical Engineering	28
Chemistry	68
Civil and Environmental Engineering	6
Civil Engineering	1
Clinical Psychology	5
Communication	14
Communication Disorders	1
Comparative Literature	8
Computer Science	9
Counseling Psychology	77
Economics	16
Education	266
Education Policy, Research and Administration; Educational Policy and Leadership	1
Education, Educational Policy Research, and Administration Research	1
Education, Policy and Leadership	1
Education; Child and Family Studies	1
Education; Children and Family Studies	1
Education; Education Policy, Research, and Administration	2
Education; Educational Policy and Leadership	2
Education; Language, Literacy and Culture	2
Education; Research and Evaluation Methods	1
Education; School Psychology	1
Education; Student Development	1
Education; Teacher Education & Curriculum Studies	1
Education; Teacher Education & School Improvement	2
Educational Planning, Research, and Administration	1
Educational Policy and Leadership	1
Educational Policy and Leadership; International Education	1
Educational Policy Research and Administration	1
Educational Policy, Research, and Administration	1
Electrical and Computer Engineering	24
English	20
English - American Studies	2
English and American Literature	1
Entomology	20

Departments	Digitized Dissertations
Epidemiology	1
Epidemiology and Biostatistics	1
Food Science	7
Food Technology	2
Forest Resources	1
Forest Resources and Public Policy	1
Geology	2
Geosciences	8
German and Scandinavian Studies	2
German and Scandinavian Studies; Languages, Literatures, and Cultures	3
Hispanic Literatures and Linguistics	8
History	149
Horticulture	2
Industrial Engineering and Operations Research	1
Isenberg School of Management	21
Isenberg School of Management; Operations Management	1
Isenberg School of Management; Organization Studies	1
Kinesiology	5
Landscape Architecture and Regional Planning	1
Language, Literacy, & Culture	1
Languages, Literatures, and Cultures; Hispanic Literatures and Linguistics	1
Linguistics	13
Lusophone Literatures and Cultures	1
Management	2
Mathematics and Statistics	7
Mathematics, Science and Learning Technologies	1
Mechanical and Industrial Engineering	12
Mechanical and Industrial Engineering; Industrial Engineering and Operations Research	1
Mechanical Engineering	1
Microbiology	9
Molecular and Cellular Biology	28
Neuroscience & Behavior	3
Neuroscience and Behavior	7
Nursing	4
Organismic and Evolutionary Biology	3
Organismic and Evolutionary Biology; Entomology	2
Organismic and Evolutionary Biology; Wildlife and Fisheries Conservation	1
Philosophy	159
Physics	17
Plant and Soil Sciences	3
Plant Biology	5
Plant, Soil and Insect Sciences	3
Political Science	200
Polymer Science and Engineering	495
Pomology	1
Psychology	442
Psychology Department	1

Departments	Digitized Dissertations
Psychology; Clinical Psychology	1
Psychology; Social Psychology; Psychology of Peace and Violence	1
Psychometric Methods, Education Statistics and Research Methods	1
Public Health	7
Public Health; Biostatistics and Epidemiology	1
Research and Evaluating Methods	1
Resource Economics	2
School Psychology	4
Social Justice Education	2
Sociology	16
Sport Management	2
Teacher Education	1
Teacher Education and Curriculum Studies	1
Teacher Education and Curriculum Studies; Language, Literacy, & Culture	1
Teacher Education and School Improvement	1
Wildlife and Fisheries Conservation	3
Zoology	1
Grand Total	2422

Digitized Masters Theses by Department

Departments	Digitized Theses
Agricultural and Food Economics	2
Agricultural Economics	10
Agricultural education	17
Agricultural engineering	1
Agronomy	16
Animal Husbandry	4
Astronomy	2
Bacteriology	16
Botany	13
Chemical Engineering	1
Chemistry	53
Chinese	20
Communication	2
Dairy	10
Economics	4
Education	66
Electrical & Computer Engineering	1
English	5
Entomology	24
Floriculture	2
Food Science and Technology	3
Food Technology	4

Departments	Digitized Theses
Geology	1
Government	1
History	64
Home Economics	2
Horticulture	28
Japanese	1
Landscape Architecture	3
Mathematics	1
Mechanical Engineering	1
Microbiology	3
Philosophy	25
Physical education and training	1
Plant & Soil Sciences	3
Political Science	79
Polymer Science & Engineering	28
Pomology	4
Poultry	4
Psychology	812
Sociology	5
Speech	1
Veterinary and Animal Sciences	1
withdrawn	1
Grand Total	1345