

2021

ScholarWorks@UMassAmherst: FY21 Annual Report

Erin Jerome
University of Massachusetts Amherst

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FY21 Annual Report

University of Massachusetts Amherst Libraries
<https://scholarworks.umass.edu>

Erin Jerome



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Overview

This report represents a summary of ScholarWorks activity over the course of FY21 (July 1, 2020 – June 30, 2021).

2020-2021 Highlights

- Over 3.7 million downloads¹
- 26% increase in full-text downloads:
 - FY20: 2,945,423
 - FY21: 3,725,264
- 57% increase in uploaded items²
 - FY20: 2,467
 - FY21: 3,893
- Top three most downloaded collections
 - Masters Theses 1911 – February 2014: 522,930
 - *Practical Assessment, Research, and Evaluation (PARE)*: 432,213
 - Doctoral Dissertations: 410,880
- Four new journals/conference proceedings
 - [North East Linguistics Society](#)
 - [University of Massachusetts Occasional Papers in Linguistics](#)
 - [Semantics of Under-Represented Languages in the Americas](#)
 - [Democratic Communiqué](#)
- One podcast
 - [Trajectory: A Student Success Podcast](#)
- Two conferences
 - [FalConference](#)
 - [MA GIS Day](#)
- 16 new series/collections added including:
 - [COVID-19 Pandemic: Impact on Cities, Planning and Design](#)
 - Fall 2020 Pandemic Course Materials
 - Photographs
 - Presentations and Publications
 - Street and Public Space Interventions

¹ Includes content collected from the Expert Gallery Suite and supplemental files for items in ScholarWorks. Most data uploads include supplemental README.txt files and the book gallery structure treats book chapters as supplemental files as well.

² Excludes items uploaded to Expert Gallery Suite. Works added by year can be seen here: <https://scholarworks.umass.edu/activity.html>.

Readership Distribution



Readership by Country – Top 25

Items in ScholarWorks were downloaded by 235 countries around the world

Country	Downloads
United States	1,282,451
Philippines	265,012
India	253,404
United Kingdom	176,822
Canada	100,288
China	98,189
Australia	72,641
Pakistan	68,410
Malaysia	64,303
Germany	53,721
South Africa	53,047
Nigeria	48,177
Russian Federation	45,970
Ireland	36,447
Kenya	35,610
Indonesia	33,997
France	31,992
Netherlands	31,716
Turkey	30,412
Singapore	29,461
Italy	23,801
Hong Kong	23,148
Ethiopia	21,803
Brazil	21,441
Korea	21,159

Readership by Educational Institution – Top 25

Items in ScholarWorks were downloaded by 37,821 institutions in FY21. Below are the top 25 educational institution downloaders.

Educational Institution	Downloads
Chowan University	7,877
University of Massachusetts	4,546
Autonomous Nonprofit Organisation Russian Scientific-Research Institute for Public Networks	2,636
IVYTech Community College of Indiana	2,120
M. I. T.	1,437
Taiwan Academic Network	1,395
University of Connecticut	1,015
National University of Singapore	894
University of Cambridge	866
University of Florida	813
Danmarks Tekniske Universitet	812
Shashemane Ericsson APN Natting (Ethiopia)	812
Oxford University	744
Stanford University	739
University of California Los Angeles	704
The University of Hong Kong	698
The Chinese University of Hong Kong	694
North Carolina Research and Education Network	684
Yale University	619
Nanyang Technological University (Singapore)	609
Consortium GARR (Italy)	584
New York University	584
NSW Department of Education (Australia)	577
University of Wisconsin Madison	527
Georgia Department of Education	494

New Collections Created in FY21³

Collection	Date Collection Published	Number of Items Uploaded	Full Text Downloads
Polymer Science and Engineering Department Graduate Student Publication Series	2020-09-15	1 article mapped from the equivalent faculty series for the department	42
PERI Publications	2020-11-05	N/A	N/A
PERI Reports	2020-11-05	N/A	N/A
College of Education Faculty Presentations Series	2020-12-01	1	40
Street and Public Space Interventions (COVID-19 Pandemic Collection)	2020-12-23	8	197
Angelika Kratzer Festschrift	2020-12-23	1 primary file containing entire <i>Festschrift</i> ; 14 individual supplemental files for the essays and prefatory materials	428
Presentations and Publications (COVID-19 Pandemic Collection)	2020-12-23	2	76
Summer 2020 Photographs (COVID-19 Pandemic Collection)	2020-12-23	25	62
Fall 2020 Pandemic Course Materials (COVID-19 Pandemic Collection)	2020-12-23	1	144
Public Policy and Administration Faculty Publications	2021-01-26	1	64
Data for 'The magnitude of canyon-forming floods in Grand Coulee, Channeled Scablands, USA'	2021-2-16	8 datasets mapped from primary Data and Datasets collection	121

³ Excludes journals and conferences

Collection	Date Collection Published	Number of Items Uploaded	Full Text Downloads
Sustainability Science Working Papers	2021-03-02	1	19
2021 Edible Book Festival⁴	2021-03-10	28	70
Structural Engineering and Mechanics Research Reports	2021-05-05	1	19
University Libraries Working Papers and Reports	2021-05-06	N/A; will map existing reports from departmental publication series to this collection	N/A
Truth, Dissent, & the Life of Daniel Ellsberg	2021-06-01	1	3

25 Most Downloaded Collections⁵

Collection	Downloads (FY21)	Downloads (All Time)
Masters Theses 1911-February 2014⁶	522,930	3,798,209
Practical Assessment, Research, and Evaluation (PARE)	432,313	611,996
Doctoral Dissertations	410,880	3,675,187
Doctoral Dissertations 1896 – February 2014	335,720	2,579,736
Masters Theses	192,945	4,516,820
Open Access Dissertations	177,599	1,381,956
Travel and Tourism Research Association: Advancing Tourism Research Globally (TTRA)	143,756	588,648
Graduate Student Research Conference in Hospitality and Tourism	101,672	1,511,895
Master's Capstone Projects (Center for International Education)	91,532	404,530
Journal of Hospitality Financial Management	62,903	489,508

⁴ Uses the photo gallery structure in Digital Commons, so downloads are not necessary to view files. This collection has had 1,911 page hits.

⁵ Includes journals

⁶ Individual theses and dissertations series have been mapped together on the front-end of ScholarWorks for better usability, but the statistics are still collected at the individual series level.

Collection	Downloads (FY21)	Downloads (All Time)
PERI Working Papers	59,155	502,828
Doctor of Nursing Practice (DNP) Projects	58,510	457,505
Economics Department Working Paper Series	55,867	301,937
African Diaspora Archaeology Newsletter	48,197	246,109
Communication Department Faculty Publication Series	39,919	61,628
Contributions in Black Studies	38,029	287,942
International CHRIE Conference – Refereed Track	32,652	543,204
Research Report 07: The Genetic Structure of an Historical Population: a Study of Marriage and Fertility in Old Deerfield, Massachusetts (Anthropology)	25,455	118,592
Computer Science Department Faculty Publication Series	25,181	259,904
International Dimensions of Ethics Education in Science and Engineering	24,633	235,962
Linguistics Department Faculty Publication Series	21,176	232,789
Proceedings of the Society for Computation in Linguistics	20,131	42,436
Afro-American Studies Faculty Publication Series	18,342	81,241
Physics Department Faculty Publication Series	17,922	95,100
Journal of Medicinally Active Plants	17,069	115,622

25 Most Downloaded Items

Item	Date Posted	Downloads (FY21)	Downloads (All Time)
Black Men Who Betray Their Race: 20TH Century Literary Representations of the Black Male Race Traitor (Dissertation)	2019-07-02	106,881	115,425
A Guide to Writing the Dissertation Literature Review (PARE)	2019-11-22	52,680	74,931
Herzberg's Theory of Motivation and Maslow's Hierarchy of Needs (PARE)	2019-11-22	38,836	66,466
Chapter 1, Background of the Study (Anthropology Department Research Reports Series)	2009-11-13	25,170	113,209
The Effects of Culture on Language Learning and Ways of Communication: The Japanese Case (Center for International Education Capstones)	2015-07-28	22,159	788,210
Defining and Measuring Academic Success (PARE)	2019-11-24	20,208	24,058
Stereotypes of Contemporary Native American Indian Characters in Recent Popular Media (Master's Thesis)	2012-08-22	18,401	64,656
The Impact of Language Barrier & Cultural Differences on Restaurant Experiences: A Grounded Theory Approach (Graduate Student Conference Presentation)	2010-12-10	16,579	235,408
Understanding and Using Factor Scores: Considerations for the Applied Researcher (PARE)	2019-11-22	16,504	20,659
The Relationship between Types of Tourist and Destination Authenticity (Graduate Student Conference Presentation)	2010-12-10	15,130	52,189
The Power of (Mis)Representation: Why Racial and Ethnic Stereotypes in the Media Matter (Communication Faculty member article)	2018-05-25	15,053	21,788
Confessions in the Courtroom: An Audience Research on Court Shows (Dissertation)	2016-03-15	14,860	16,111

Item	Date Posted	Downloads (FY21)	Downloads (All Time)
Introduction to Women, Gender, Sexuality Studies (Open Textbook)	2012-07-17	13,571	62,564
Best practices in exploratory factor analysis: four recommendations for getting the most from your analysis (PARE)	2019-11-22	13,554	20,488
Classroom Test Construction: The Power of a Table of Specifications (PARE)	2019-11-25	13,392	16,784
How to Do Case Study Research (College of Nursing Faculty publication)	2010-01-04	13,138	343,441
Title page, Acknowledgements, Table of contents, and List of tables and figures (Anthropology Research Report)	2007-04-27	13,082	71,018
An International Index of Child Welfare (PERI Working Papers)	2010-05-04	12,728	77,737
Chi-Square Test is Statistically Significant: Now What? (PARE)	2019-11-24	12,687	16,588
Four assumptions of multiple regression that researchers should always test (PARE)	2019-11-22	12,296	15,520
A Proposal for a Community Development Training Program for Afghan Women in Exile as Agents of Change (Center for International Education capstone)	2015-08-05	12,251	23,442
Using the Student's t-test with extremely small sample sizes (PARE)	2019-11-24	11,730	14,620
Understanding client descriptions of presenting problems :: formulating a taxonomy (Masters thesis)	2015-10-05	11,662	42,111
A Phenomenological Study of the Experiences of Helping Professionals with Learning Disabilities (Dissertation)	2010-04-08	11,504	41,940
Kant's philosophy of the self (Masters thesis)	2017-04-05	11,294	22,348

Conference and Event Hosting

We added two new conferences to ScholarWorks in FY21:

- [MA GIS Day](#)
- [Falconference](#)

Journals and Conference Proceedings

In FY21, we added four new journals to ScholarWorks:

- [North East Linguistics Society](#)
- [University of Massachusetts Occasional Papers in Linguistics](#)
- [Semantics of Under-Represented Languages in the Americas](#)
- [Democratic Communiqué](#)

We were approached by the Graduate Linguistics Students Association (GLSA), a non-profit organization run by the University of Massachusetts Amherst Linguistics Department, to see if ScholarWorks might be a good fit to house the archives of their three major publications: *North East Linguistics Society* (NELS), *Semantics of Under-Represented Languages in the Americas* (SULA), and *University of Massachusetts Occasional Papers in Linguistics* (UMOP). The GLSA will continue to publish new issues through GLSA Publications while back issues will be added to the archives established in ScholarWorks.

Democratic Communiqué, a peer-reviewed open access journal, is the primary publication of the Union for Democratic Communications. The journal had been notified that its publisher, Florida Atlantic University, was discontinuing their publishing program, and its editor was looking for a new home. The journal happened to have a UMass faculty member on its editorial board who suggested that ScholarWorks could potentially become the journal's new publisher. We were able to meet the Editorial Board's criteria and began the process of creating a new journal in ScholarWorks and migrating back content to the site in August 2020.

We made the decision to remove one journal from ScholarWorks this year. We had anticipated the migration of *Heliotropia* from its home at Brown University, but that never occurred. We worked with the journal's editor to see if ScholarWorks might function as an archive for the journal, doing an extensive metadata cleanup in preparation for this possibility, but ultimately decided that it made more sense to simply withdraw the journal from our repository to avoid reader and metrics confusion.

ScholarWorks now supports seven actively publishing journals, three of which are indexed in the Directory of Open Access Journals.

Journal	Downloads (FY21)	Downloads (All-Time)
Communication +1 (DOAJ)	12,433	88,231
Democratic Communiqué	348	348
Journal of Hospitality Financial Management	62,997	489,508
Journal of Medicinally Active Plants	17,071	115,622
Paperbark	50	126
Practical Assessment, Research, and Evaluation (DOAJ)	432,334	611,996
Translat Library (DOAJ)	1,013	1,568

Podcasts

We added one new podcast to ScholarWorks this year. *Trajectory: A Student Success Podcast*, is a bi-weekly podcast produced by the undergraduate Student Success unit, that focuses on the voices and narratives of UMass Amherst students as they share their journeys defining and achieving their own college success. After launching the podcast, we worked with Spotify and bepress to get *Trajectory* indexed in Spotify. *Trajectory* was highlighted by bepress as a May 2021 Consulting Services Staff Pick.

Data

The Data and Datasets collection, also known as the Data Repository, continues to see growth through word-of-mouth publicity. 22 new datasets were uploaded in FY21, which brought the total number of datasets to 140 with a total of 2,143 downloads. Eight of the datasets were self-submissions by researchers on campus.

This was also a year of experimentation for the Data Repository as we began to be approached by researchers with large (> 15GB) datasets. These datasets were too large to be uploaded via home networks and eventually we opted to upload them to an FTP server before ingesting them through Digital Commons batch upload feature. Realizing that that was not a sustainable model, we approached John Griffin from the [NorthEast Storage Exchange](#) (NESE) to see if there was a way to use NESE to house the data while ScholarWorks would function as a discovery layer / the front end. We decided to use Globus to create publicly readable endpoints for the NESE data that we can direct users to from ScholarWorks. We tried this Globus/NESE large data workaround with two datasets this year:

- Thaler, Evan; Kwang, Jeffrey S.; and Larsen, Isaac J., "Historical rates of soil erosion in the Midwestern U.S." (2021). *Data and Datasets*. 138.
<https://doi.org/10.7275/76w5-1z60> <https://scholarworks.umass.edu/data/138>
- David, Scott R.; Larsen, Isaac; and Lamb, Michael P., "Source data for "Narrower Paleo-canyons Downsize Megafloods"" (2021). *Data and Datasets*. 134.
<https://doi.org/10.7275/2d19-f718> <https://scholarworks.umass.edu/data/134>

Ten Most Downloaded Datasets

Title	Downloads (FY21)	Downloads (All-Time)
Ionoelastomer Junctions Between Polymer Networks of Fixed Anions and Cations	164	308
Appendix 1. Database of impact assessments for 100 range-shifting invasive plants	104	152
Data for Autonomous snapping and jumping polymer gels	86	86
The Paris Climate Agreement and future sea level rise from Antarctica	84	84
Data for “Hydrogeologic and Geochemical Distinctions within Freshwater Brine Systems in Salar Environments”	48	48
Massachusetts Beach Grain Size and Slope Data	44	44
Hudson River Estuary Tidal Marsh Sediment Data	37	68
Abundance vs. Impact (AvI) databases and code	37	83
Data on Fossil Fuel Divestment Commitments through March 2018	35	35
Designing Sustainable Landscapes: Critical Local Linkages	32	50

Looking Ahead to FY22

- The UMass Extension Fruit Program podcast, *UMass IPM Fruit Loop*, will move to ScholarWorks.
- *Living Languages*, an international multilingual journal dedicated to topics in language revitalization and sustainability by authors from outside and within academia, will publish its inaugural issue.
- The Writing Program will publish the winners of the Charles Moran Best Text Contest as a journal called *Best Texts* in ScholarWorks.