



eScholarship@UMMS

UMASS
Medical School

eScholarship@UMMS Annual Report 2019

January-December 2019
Lamar Soutter Library
University of Massachusetts Medical School

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Introduction

[eScholarship@UMMS](#) is a digital repository and publishing system offering worldwide access to scholarly publications authored by the University of Massachusetts Medical School (UMMS) community. Our goal is to serve as a portfolio for institutional successes by collecting, organizing, disseminating, and showcasing UMMS achievements in research and education. eScholarship@UMMS increases citation impact and visibility and expands the reach of UMMS scholarship worldwide. We welcome submissions from UMMS faculty, staff, and students for articles, manuscripts, presentations, posters, datasets, and other scholarly materials. Our publishing services – including open access, peer-reviewed electronic journals, student dissertations and theses, and conference proceedings – highlight the works of UMMS authors and others. eScholarship@UMMS is a service of the Lamar Soutter Library, Worcester, MA, USA, in support of its mission to disseminate information and research to scholars, educators and the public.

Acknowledgments

I would like to acknowledge with much appreciation:

- The support of the Lamar Soutter Library's management team and Research and Scholarly Communication Services department;
- Library assistants Robert Aframe and Nancy Linnehan;
- Faculty, staff, students, departments, centers and partners at UMass Medical School for their collaboration and scholarly contributions.

The format of this report is adapted from the [PDXScholar Annual Report](#) by Karen Bjork, et al.

This report was revised February 21, 2020 to incorporate download counts for additional files in the metrics for collections, individual items, and hosted collections.

2019 Highlights

- 339,185 total downloads of primary and supplemental files
- 69% increase in full text downloads
 - 2018: 233,273
 - 2019: 339,185
- Most downloaded text collections
 - [Open Access Articles](#)
 - [Journal of eScience Librarianship](#)
 - [Psychiatry Information in Brief](#)
 - [GSBS Dissertations and Theses](#)
 - [Graduate School of Nursing Dissertations](#)
- 1,438 new items added
 - 55 theses and dissertations
 - 58 original papers published via hosted open access journals, newsletters, and book chapters
- 11 new collections added (219 collections in total)
 - [Center for Integrated Primary Care Publications](#)
 - [Community Engagement and Research Symposium 2019](#) (conference proceedings)
 - [Eyes to the Past Photographs](#) (online exhibit)
 - [Eyes to the Past Reception Presentations](#) (online exhibit)
 - [Graduate School of Nursing DNP Scholarly Projects](#)
 - [Martin Lab Publications](#)
 - [Martin Lab Student Publications](#)
 - [Northeast Institutional Repository Day 2019](#) (conference proceedings)
 - [PEER Liberia Project](#)
 - [Tapper Lab Publications](#)
 - [Tapper Lab Student Publications](#)
- Notable accomplishments and initiatives in 2019
 - Implemented eScholarship@UMMS Feedback form
 - Launched eScholarship@UMMS Data Deposit Policy with self-submission option
 - Cancelled license for SelectedWorks / Expert Gallery faculty profile software
 - Created 1,015 DOIs for new and previously posted original content housed in the repository
 - Began including preprints by UMMS authors in Scholarship@UMMS
 - Continued important efforts to improve repository metadata
 - Improved "new submission posted" email notification template
 - Updated eScholarship@UMMS brochure
 - Created documentation for editorial teams of two hosted journals
 - Implemented redesigned banner for branded collections sponsored by the UMass Center for Clinical and Translational Science

Notable Accomplishments and Initiatives in 2019

- **Feedback form:** An [eScholarship@UMMS Feedback](#) form was implemented using REDCap in October 2019 and is available throughout the repository from the website sidebars and download cover pages. The goal is to acquire narrative feedback and stories from users about how access to UMass Medical School's research in eScholarship@UMMS benefits them.
- **Data deposit policy:** The [eScholarship@UMMS Data Deposit Policy](#), written by the Research and Scholarly Communication Services department and approved by Library administration, was launched in December 2019. As part of this project, the data submission form was updated, self-submission was turned on, and a readme file template was made available from the website.
- **Cancellation of SelectedWorks / Expert Gallery software:** In September 2019 the Library discontinued its license for the SelectedWorks / Expert Gallery faculty profile software from bepress. This project included extensive communication with profile owners about their options and assistance as requested. Benefits to the Library include reducing repository staff workload, eliminating confusion with UMass Profiles software, and reducing costs.
- **DOI registration for retrospective original content:** In 2019 repository staff continued retrospectively minting DOIs (digital object identifiers) for original content in the repository such as conference proceedings, presentations, and newsletters. DOIs are permanent unique identifiers assigned to publications, data, and other scholarly products that make it easier for them to be discovered, cited, and credited. In 2019 repository staff created 1,015 DOIs for new and previously posted original content housed in eScholarship@UMMS.
- **Preprints:** A preprint is the author-created first version of a complete manuscript before peer review. In recognition of the increasing support by NIH and the biomedical community for sharing preprints, repository staff began including preprints by UMMS authors in Scholarship@UMMS. At the end of 2019 there were 126 full text preprints in the repository.
- **Metadata improvements:** Throughout 2019 repository staff continued important efforts to improve metadata for numerous collections and ensure that important fields are included (DOI, copyright, license, etc.) and are populated in a consistent manner. This improves discovery by search engines and other aggregators. As part of this process, all download cover pages and Repository Citation fields were harmonized.
- **Email notification improvements:** The bepress.com domain from which all repository notifications are sent was added to UMMS' global whitelist in November 2019 to prevent problems with emails not reaching recipients or being classified as spam. Related to this, the "new submission posted" email template was revised for most collections to make it more informative and make clear that the repository is a service of the Library.

- **eScholarship@UMMS brochure:** The eScholarship@UMMS brochure was reviewed and updated in 2019.
- **Journal editor documentation:** “Cheat sheets” were created for two hosted journals to make it easier for new editors to perform common editorial tasks in the publishing system.
- **Redesign for UMCCTS collections:** A new banner was implemented for the branded newsletter and conference proceedings collections sponsored by the UMass Center for Clinical and Translational Science.

Metrics

Readership Distribution Map

This map of download activity illustrates the global reach of UMMS scholarship in 2019.



Readership by Country: Top 10 Countries

Full-text content in eScholarship@UMMS was downloaded in 2019 from 210 countries worldwide. Below are the top 10 countries accessing these collections.

Country
United States
United Kingdom
Singapore
Canada
India
China
Australia

Germany
Philippines
Russian Federation

Readership by Institution: Top 10 Educational, Governmental, and Organizational Institutions

Full-text content in eScholarship@UMMS was accessed in 2019 by over 11,382 institutions worldwide. Below are the top 10 educational, governmental, and organizational institutions accessing these collections.

Name of Institution	Type
University of Massachusetts Medical School	Education
Commonwealth of Massachusetts	Government
Portland State University	Education
Longwood Medical and Academic Area	Education
Department of Veterans Affairs	Government
National Library of Medicine	Government
UMass Memorial Health Care	Organization
National Institutes of Health	Government
University of California Los Angeles	Education
University of Massachusetts	Education

Most Popular Text Collections by Number of Downloads

Full-text content in eScholarship@UMMS for 2019 reflects the length and diversity of participation in the Library's repository and publishing program, as well as the growth in recent years of open access scholarly literature. Below are the 10 most downloaded text collections. Download counts include primary and supplemental files.

Collection	Type	Number of items 2019-12-31	2019 Downloads	All Time Downloads 2019-12-31
Open Access Articles	Previously published articles	5,130	36,815	341,420
Journal of eScience Librarianship	Hosted open access journal	133	36,033	162,532
Psychiatry Information in Brief	Hosted open access journal	138	33,869	139,409
GSBS Dissertations and Theses	Student dissertations	1,053	29,285	334,652
Graduate School of Nursing Dissertations	Student dissertations	58	13,739	124,183
University of Massachusetts Medical School Faculty Publications	Previously published articles and preprints	1,463	9,254	31,288
UMass Center for Clinical and Translational Science Research Retreat	Hosted open access conference proceedings	584	8,704	83,531
Journal of Global Radiology	Hosted open access journal	35	7,566	22,263
Neurological Bulletin	Hosted open access journal	31	7,090	90,944
Implementation Science and Practice Advances Research Center Publications	Previously published articles	1,070	6,872	102,768

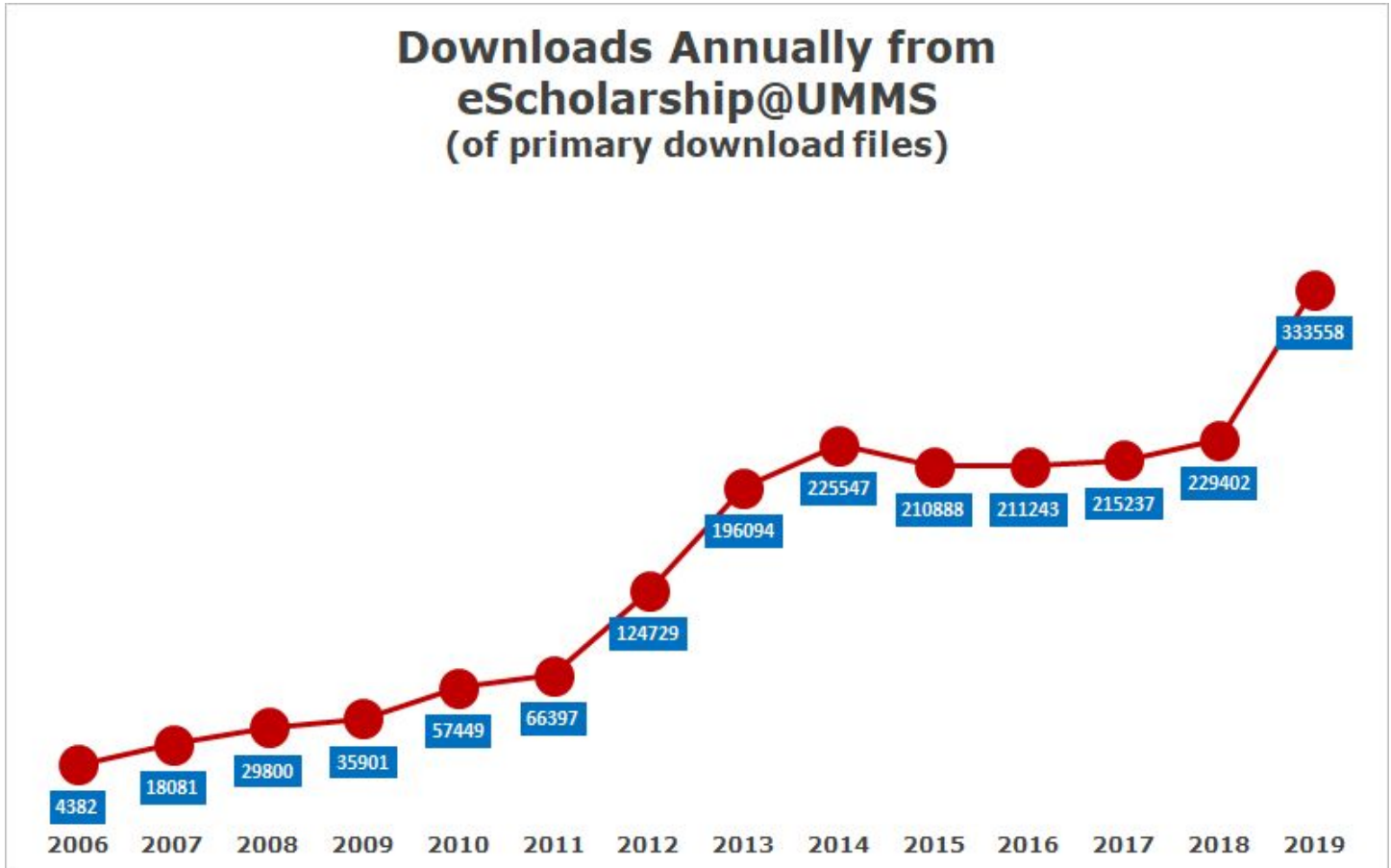
Most Popular Text Items by Number of Downloads

Full-text content in eScholarship@UMMS for 2019 reflects the length and diversity of participation in the Library's repository and publishing program. Below are the 20 most downloaded text items. Download counts include primary and supplemental files.

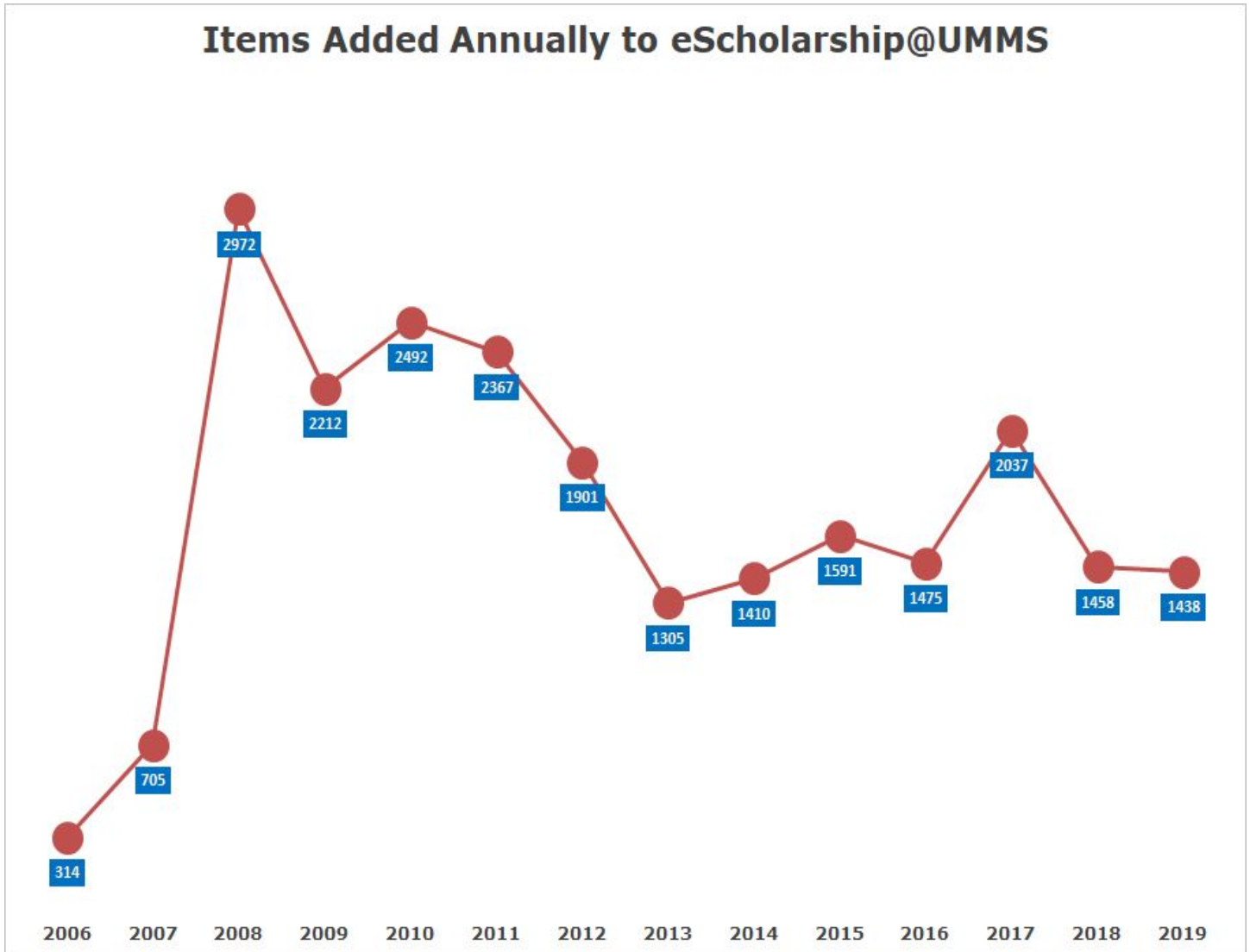
Item	Type	2019 Downloads	All Time Downloads 2019-12-31
An Exploratory Sequential Mixed Methods Approach to Understanding Researchers' Data Management Practices at UVM: Integrated Findings to Develop Research Data Services	Hosted open access journal article	14,764	23,677
Nonoperative Approach to Treatment of a Gluteus Medius Tear	Poster	5,010	5,416
Culture, language, and the doctor-patient relationship	Previously published article	3,893	33,707
For Families or Caregivers: Self-Care is Putting on YOUR Oxygen Mask First	Hosted open access journal article	2,602	2,602
How to Talk about Mental Health: Addressing Misunderstandings about Mental Health in the Media	Hosted open access journal article	2,180	2,180
HCR-20 Violence Risk Assessment Scheme: Overview and Annotated Bibliography	Previously published report	2,072	38,967
Trigeminal Neuralgia Evolving Into Nummular Headache	Hosted open access journal article	1,971	8,322
Position of the American Dietetic Association: total diet approach to communicating food and nutrition information	Previously published article	1,939	5,251
Simplifying Qualitative Data Analysis Using General Purpose Software Tools	Previously published article	1,863	16,303
What Were You Thinking? Brain	Hosted open access	1,630	1,671

Development in Young Adults	journal article		
Evidence Based Practices in Mental Health: Advantages, Disadvantages, and Research Considerations [English and Spanish versions]	Hosted open access journal article	1,572	17,729
A Handbook for Participatory Action Researchers	Previously published book	1,547	2,744
Nursing Unit Staffing: An Innovative Model Incorporating Patient Acuity and Patient Turnover: A Dissertation	Student dissertation	1,535	31,655
Immunization in Patients With Multiple Sclerosis	Hosted open access journal article	1,507	20,348
Comparative Effectiveness of Alendronate and Risedronate on the Risk of Non-Vertebral Fractures in Older Women: An Instrumental Variables Approach: A Dissertation	Student dissertation	1,290	4,368
A Survey of Structural Design of Diagnostic X-ray Imaging Facilities and Compliance to Shielding Design Goals in a Limited Resource Setting	Hosted open access journal article	1,243	2,279
The Scalpel and The Silver Bear (Book Review)	Open access article	1,124	4,695
Guns, Germs, and Steel: The Fates of Human Societies (Book Review)	Open access article	1,114	4,347
What is a 504 Plan and How Can it Help My Teen? [English and Spanish versions]	Hosted open access journal article	1,084	3,102
Guidance for Improving Forensic Reports: A Review of Common Errors	Previously published article	1,073	3,680

Downloads by Year



New Items Added by Year



Publishing and Hosting

eScholarship@UMMS supports open access publishing and offers hosting services for peer-reviewed journals, newsletters, conference proceedings, books and book chapters. This work aligns with the Lamar Soutter Library's mission to help UMMS faculty and students create and disseminate scholarly content directly to users, making it openly accessible to the world. Hosting services include DOI (digital object identifier) registration for individual items, hosting of supplemental content, metadata, Creative Commons licenses, and additional services. Below are the actively published journals, newsletters, conference proceedings, and book chapters. Download counts include primary and supplemental files.

Publication	Type	Number of items 2019-12-31	2019 Downloads	All Time Downloads 2019-12-31
Cancer Concepts	Book chapters	28	4,496	16,016
Community Engagement and Research Symposia	Conference proceedings	161	4,716	18,769
Journal of eScience Librarianship	Journal	133	36,033	162,532
Journal of Global Radiology	Journal	35	7,566	22,263
Journal of Parent and Family Mental Health	Journal	10	3,359	10,264
North Atlantic Health Sciences Libraries Conference Proceedings	Conference proceedings	4	168	168
Northeast Institutional Repository Day	Conference proceedings	26	1,090	1,475
Psychiatry Information in Brief	Journal	138	33,869	139,409
Streams of Consciousness	Journal	50	967	2,727
UMass Center for Clinical and Translational Science Newsletter	Newsletter	94	776	1,618