Florida International University

FIU Digital Commons

FIU Digital Collections Center Annual Reports

FIU Libraries

10-5-2020

Digital Commons Annual Report: FY 2019-2020

Jill Krefft

FIU DIGITAL COMMONS ANNUAL REPORT 2019-2020

Background

FIU's institutional repository Digital Commons is a full-text, online, open access repository and publishing platform for the scholarship, creative output and history of FIU. The goals of the repository are to:

- Serve as a persistent and centralized access point for FIU scholarship and creative works;
- Promote faculty and student research to a global community;
- Preserve the history, growth and development of FIU;
- Provide a platform for faculty to post Open Access copies of publications to meet OA requirements of funding agencies.

The Institutional Repository is managed and administered by the FIU Libraries Digital Collections Center; with additional support from Special Collections and University Archives, and the University Graduate School. More information is available at: http://digitalcommons.fiu.edu/about.html

The repository is hosted by Berkley Electronic Press (BePress), which boasts a strong network of nearly 600 institutions across the globe. Our repository hosts over 20,000 papers, presentations, reports, images, and videos from more than 60 FIU departments and centers.

2019-2020 Staff

- Jill Krefft, Institutional Repository Coordinator
- Jamie Rogers, Assistant Department Head Digital Collections Center
- Rebecca J. Bakker, Digital Collections Librarian
- Kelley Rowan, Digital Archives Librarian
- Ivy Torres Morales, GIS/IR Library Associate
- Molly Castro, Digital Humanities Librarian

FY 2019-2020 Highlights

- Digital Commons total downloads for 2019-2020 was **585,982.**
- Digital Commons **collections grew by 936 new items.**
- This year, Digital Commons got a whole new look! A complete redesign of the site supports better navigation and branding closely aligned with our digital repositories and collections.
- This year there was a strong focus on expanding existing collections as well as providing access to undergraduate research. This year the institutional repository added 936 items, with over 200 abstracts from the **FIU Undergraduate Research Conference**. In addition, FIU partnered with **Life Sciences South Florida (LSSF) to host proceedings from past undergraduate symposiums** and provide support for upcoming undergraduate research events for students from South Florida Universities.

- Digital Commons expanded its video collections, supporting access to videos including the Annual MLK Breakfast, 2020 Virtual Commencements, Center for Humanities in an Urban Environment and more.
- We continue to publish and archive *electronic theses and dissertations (ETDs),* which include the works of new FIU graduates as well as retrospective digitization of theses and dissertations dating back to the opening of the university. *210 new ETDs and 211 retrospective ETDs* were published and archived in 2019-2020.
- Created a [landing page](#) to serve as a unified access point for Digital Commons and the Research Data Portal to demonstrate the range of institutional support for publishing, sharing and archiving at FIU.
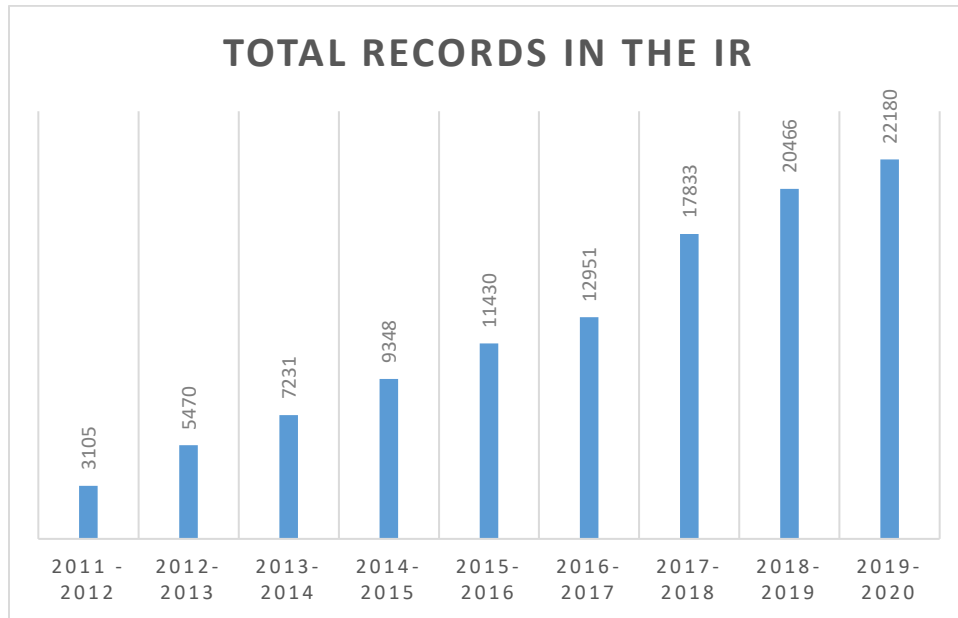
Top 10 Most Downloaded Works:

1. The History of Kindergarten: From Germany to the United States – **61,153 Downloads**
2. Diccionario de Terminos Geologicos Ingles/Espanol - Espanol/Ingles; English/Spanish - Spanish/English Dictionary of Geological Terms (Dialogue #85) – **54,495 Downloads**
3. The Role of Leadership Style in Employee Engagement – **33,823 Downloads**
4. The Role of Emotional Intelligence in College Students' Success – **30,201 Downloads**
5. Hotel Managers Identify Ethical Problems: A Survey of their Concerns – **26,146 Downloads**
6. Global Factors Affecting Women's Participation in Leadership – **24,430 Downloads**
7. The Effects of the Use of Technology In Mathematics Instruction on Student Achievement – **24,195 Downloads**
8. The Impact of Social Media in the Workplace – **24,058 Downloads**
9. Employee Engagement: An Examination of Antecedent and Outcome Variables – **22,588 Downloads**
10. Memory-Aware Scheduling for Fixed Priority Hard Real-Time Computing Systems – **17,947 Downloads**

Top 10 Most Downloaded Collections:

1. Electronic Theses and Dissertations – **278,409 Downloads**
2. Hospitality Review – **73,256 Downloads**
3. South Florida Education Research Conference – **65,674 Downloads**
4. Class, Race and Corporate Power (journal) – **31,010 Downloads**
5. Student Newspaper Archives – **14,471 Downloads**
6. SGA BBC Image Archive – **8,060 Downloads**
7. College of Medicine Faculty Research – **7,583 Downloads**
8. LACC Occasional Paper Series Dialogues – **7,505 Downloads**
9. Leer Escribir Y Descubrir – **5,359 Downloads**
10. FIU Course Catalogs – **5,201 Downloads**

Growth Over the Years

Digital Commons began tracking its usage in 2011. Since then, collection size has increased annually at a steady pace. Strategic partnerships across campus departments, centers and institutes as well as the development of new strategies for harvesting of content to minimize burden on faculty helped grow the collections this year.

TOTAL RECORDS IN THE IR

Year	Records
2011 - 2012	3105
2012-2013	5470
2013-2014	7231
2014-2015	9348
2015-2016	11430
2016-2017	12951
2017-2018	17833
2018-2019	20466
2019-2020	22180

In 2011, our collection included 3,105 records. In 8 years, collections have grown to a total of 22,180 records.

ANNUAL FULL TEXT DOWNLOADS

Year	Downloads
2011-2012	130593
2012-2013	207647
2013-2014	330614
2014-2015	374433
2015-2016	430144
2016-2017	451900
2017-2018	499056
2018-2019	555706
2019-2020	582998
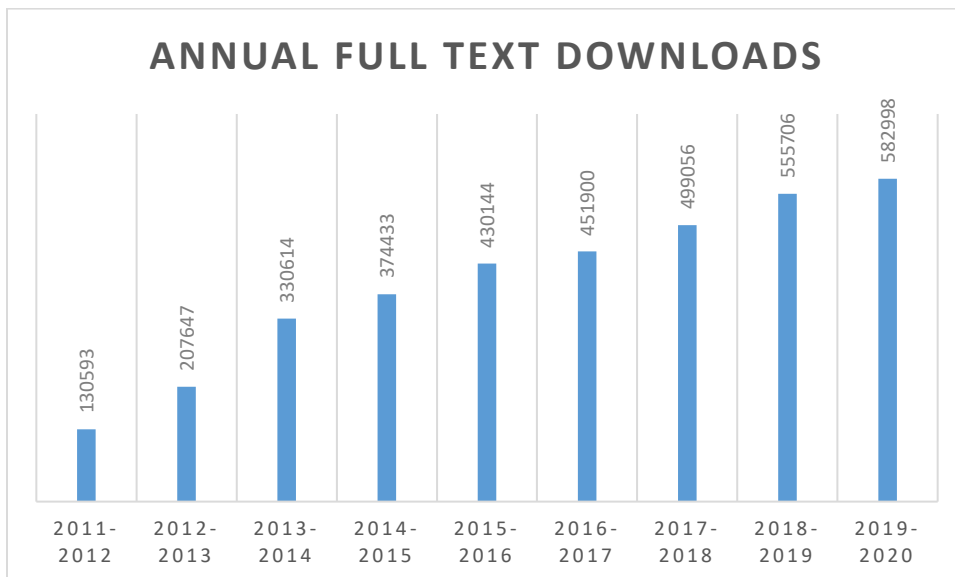
With our continued collection growth our download counts have continually increased as well, demonstrating that we are providing access to meaningful and useful collections.

Readership Distribution

Readership by Country

The readership distribution illustrates the reach and visibility of our collections to the global community. Digital Commons Collections were accessed from 219 countries around the world. Below are the top 20 countries to download the collections.

1. United States
2. China
3. Philippines
4. United Kingdom
5. India
6. Canada
7. Australia
8. Russian Federation
9. Germany
10. Nigeria
11. Singapore
12. Malaysia
13. South Africa
14. France
15. Kenya
16. Indonesia
17. Mexico
18. Netherlands
19. Ghana
20. Pakistan

Readership by Institution

Digital Commons Collections were accessed by over 20,000 institutions worldwide. Below are the top 10 educational institutions accessing Digital Commons collections.

1. Florida International University
2. Chowan University
3. Massachusetts Institute of Technology
4. University of Florida
5. University of Miami
6. Universiti Teknologi MARA
7. Rutgers University
8. Stetson University
9. North Carolina Research & Education Network
10. Florida State University

Statistics Highlights

Faculty Research

Faculty Research Collections include materials derived from FIU research efforts and projects including journal articles, presentations, technical reports, and images.

The top five most downloaded Faculty Research collections in 2019-2020 were:

1. Herbert Wertheim College of Medicine Faculty Works **(7583)**
2. LACC Occasional Papers Series. Dialogues (1980 - 1994) **(7505)**
3. FCE LTER Journal Articles **(4579)**
4. Department of Biological Sciences **(3951)**
5. Economics Research Working Paper Series **(3268)**

Collection	Records	New Records	Metadata Page Hits	Downloads
African & African Diaspora Studies Program Faculty Scholarly Presentations	19	0	64	282
Architecture Faculty	2	0	3	24
Biomolecular Sciences Institute: Faculty Publications	34	4	66	777
Books	3	0	17	3
Center for Children and Families	7	5	20	140
Center for Coastal Oceans Research	31	0	49	891
Center for Internet Augmented Research & Assessment	5	0	11	104
Center for Leadership Current Research	13	0	154	3,255
Center for Research on U.S. Latino HIV/AIDS and Drug Abuse (CRUSADA)	3	1	8	36
Center for Study of Matter at Extreme Conditions	4	2	40	109
College of Medicine Faculty Research	199	70	657	7,583
College of Nursing and Health Sciences	59	39	210	1,088
Cuban Research Institute Faculty Publications	1	0	9	32
Department of Biological Sciences	231	35	1,255	3,951
Department of Biomedical Engineering Faculty Publications	39	2	22	745
Department of Biostatistics Faculty Publications	44	0	44	1,012
Department of Chemistry and Biochemistry	59	21	151	914

Collection	Records	New Records	Metadata Page Hits	Downloads
Department of Civil and Environmental Engineering Faculty Publications	8	0	52	219
Department of Criminal Justice	1	0	15	13
Department of Dietetics & Nutrition	58	5	524	1,209
Department of Earth & Environment	57	19	310	1,164
Department of English	5	0	10	92
Department of Epidemiology	37	2	35	766
Department of Global and Sociocultural Studies Faculty Research	8	0	26	187
Department of Health Policy and Management Faculty Publications	1	1	2	10
Department of Health Promotion and Disease Prevention	16	0	13	339
Department of Mathematics and Statistics	15	0	82	394
Department of Mechanical And Materials Engineering	12	4	51	221
Department of Modern Languages	1	0	38	5
Department of Physical Therapy	10	1	30	140
Department of Physics	88	6	259	1,031
Department of Politics & International Relations	2	2	8	31
Department of Psychology	19	8	40	333
Department of Public Administration	4	1	5	38
Department of Religion	2	0	1	32
Department of Social Work	11	5	18	131
Department of Teaching & Learning	22	14	94	267
Digital Collections Annual Report	13	2	76	359
Disaster Risk Reduction Books	1	0	20	23
Disaster Risk Reduction Faculty	21	1	109	2,222
Discussions Papers in Economics and Banking	9	0	7	544
Economics Research Occasional Paper Series	10	0	2	103
Economics Research Working Paper Series	125	0	155	3,268
Electrical and Computer Engineering Faculty Publications	69	26	354	1697
Environmental Health Sciences	57	0	83	1,027

Collection	Records	New Records	Metadata Page Hits	Downloads
FCE LTER Books	2	0	20	0
FCE LTER Journal Articles	550	33	1,404	4,579
GIS Center	79	8	598	1684
Infrastructure System-of-Systems (I-SoS) Research Group	7	0	48	151
LACC Occasional papers series (1981 - 1990)	3	0	39	571
LACC Occasional papers series. Dialogues (1980 - 1994)	62	0	627	7,505
LACC Working Paper Series (2001 -)	11	0	80	361
Open Access Publishing Fund Papers	5	0	10	132
School of Business Faculty Works	13	8	58	295
School of Communication & Journalism	1	0	0	89
School of Computing and Information Sciences	27	0	267	983
School of Education and Human Development Faculty Publications	1	0	31	6
School of Integrated Science & Humanity	3	1	3	35
Sea Level Rise Collection	91	1	220	1,015
SERC Faculty Report	7	2	11	133
SERC Research Report	117	2	232	1,072
STEM Transformation Institute	6	4	12	50
Telecommunications and Information Technology Institute	2	0	1	27
UN GAR Background Notes	1	0	3	0
University Graduate School Presentations	2	0	5	30
Western Hemisphere Security Analysis	55	0	1,098	4,176
Works of the Libraries	89	12	720	2,104
TOTAL	**2,569**	**347**	**1,0686**	**61,809**

* Signifies new collections in 2019-2020

Student Research

These collections include original research created primarily by undergraduate and graduate students.

The top 3 downloaded collections are:

1. FIU Electronic Theses and Dissertations **(278,409)**
2. South Florida Education Research Conference **(65,674)**
3. Conference for Undergraduate Research at FIU **(2,816)**

Collection	Records	New Records	Metadata Page Hits	Downloads
African and African Diaspora Studies Student Work	17	0	55	475
Annual SAGGSA Graduate Student Conference	24	0	93	0
Asian Studies Graduate Work	1	0	10	154
Biological Sciences Honors Theses	96	0	640	55
Conference for Undergraduate Research at FIU	739	203	2731	2816
Disaster Risk Reduction Student Works	12	0	23	612
Electronic Theses and Dissertation Collection	3,884	121	52,275	278,409
Graduate Research	1	0	69	323
Honors College Research	4	0	75	739
IPPCS Student Works	4	0	45	308
LSSF Undergraduate Symposium	4	4	0	31
Masters in Linguistics Final Project	11	0	222	412
McNair Journal	3	0	52	184
Proquest Dissertations	2,541	41	10,035	0
SERC Dissertation and Theses	1	0	2	27
South Florida Education Research Conference	478	0	1,315	65,674
TOTAL	**7,820**	**369**	**67,642**	**350,219**

University Archives/Administrative Documents

These collections represent materials that have been:

• Digitized from the Special Collections and University Archives Department
• Born digital administrative documents and university archival materials

The top 3 downloaded collections are:

1. Student Newspaper **(14,471)**
2. SGA BBC Image Archive **(8,060)**
3. FIU Course Catalogs **(5,201)**

Collection	Records	New Records	Metadata Page hits	Downloads
ACWWS Talk Di Tings*	7	7	17	0
Center for Humanities in an Urban Environment Archive	14	4	128	1
College of Medicine Archive	852	0	283	34
College of Medicine Images	101	0	10	482
Cuba Poll	11	2	60	267
Cuban Research Institute Event Flyers	469	5	1,599	3,923
Cuban Research Institute Event Videos*	119	0	304	0
Department of Biomedical Engineering Annual Reports	12	0	117	201
Department of Biomedical Engineering Stats Newsletter	11	0	11	94
Department of Theatre Images	1,491	2	667	22
Department of Theatre Posters	141	49	180	530
Department of Theatre Programs	98	11	265	2,011
Department of Theatre Promotional Videos*	11	1	26	0
Digital Collections Annual Report	13	2	76	359
Digital Initiatives	3	0	14	30
Discussions Papers in Economics and Banking	9	0	7	544
Ecohumanities	289	0	77	282
FIU Controller Annual Report	29	0	9	232
FIU Course Catalogs	74	0	74	5,201
FIU Event Image Gallery	27	3	36	17
FIU Image Collection	75	0	874	328

Collection	Records	New Records	Metadata Page hits	Downloads
FIU In View*	299	0	646	0
FIU Magazine	55	1	86	937
FIU Video	256	30	914	0
FIU Yearbooks	9	0	605	2,512
Frost Art Catalogs	60	1	188	1,342
Frost Lecture Series*	101	0	334	0
Green Library Music Series*	6	0	30	0
Hurrican Irma Gallery	33	0	23	81
IR&S report	2	0	3	14
MBUS	1	0	29	6
Miami Urban Future Initiative	10	10	115	471
MIUS News	10	0	19	77
Panther Student Magazine	29	0	17	264
Research Newsletter	70	8	5	321
Research Report	18	0	7	372
SGA BBC Archive	1,060	0	61	4,099
SGA BBC Image Archive	463	0	122	8,060
Shakespeare at the Betsy	13	0	14	0
Shakespeare's First Folio	46	0	9	154
Spanish And Mediterranean Studies Video Archive	13	0	38	0
Student Leadership Summit	19	0	12	65
Student Leadership Summit Time Capsule	4	0	5	0
Student Newspaper	1,167	0	804	14,471
Teaching Shakespeare	13	0	18	10
University Graduate School Annual Report	4	0	2	64
Western Hemisphere Security Analysis	55	0	1098	4176
Wolfsonian Photo	61	0	14	0
TOTAL	**7,733**	**136**	**10,052**	**52,054**

* Signifies Metadata Only Collections

Peer Reviewed Journals

These are peer reviewed journals that are managed by members of FIU and are housed in Digital Commons.

Collection	Records	New Records	Metadata Page hits	Downloads
Atheneum	4	4	40	17
Bioethics Education Resources Portal (Bedr)	1	0	19	11
Class, Race and Corporate Power	128	16	9901	31,010
Hemisphere	45	1	83	2,618
Inspicio	159	41	203	1,654
Leer Escribir Y Descubrir	28	8	2,033	5,359
McNair Journal	3	0	52	184
TOTALS	**368**	**70**	**12331**	**40853**

Looking Ahead

For FY 2020-2021, we look forward to

- Support archiving and access to events related to COVID-19;
- Support access to materials and resources for faculty and students for remote access
- Continue to develop and curate existing collections across STEM fields, humanities and the arts;
- Continued ingest of retrospective theses and dissertations;
- Continued support of FIU Preeminent Programs and Organizational Research Units;
- Continue to promote and support the Institutional Repository and the institutional data repository. Provide educational opportunities through workshops and online learning materials for both faculty and students.
- Find new ways to connect Digital Commons and the Research Data Portal.
- Expanding collaborations and partnerships at the university and community levels.

Appendix 1: *Full list of all colleges, schools, departments, centers and institutes at FIU represented in Digital Commons*

Africana and Africana Diaspora Studies	Department of Public Administration
Bimolecular Sciences Institute	Department of Religious Studies
Center for Children and Families	Department of Teaching and Learning
Center for Humanities in an Urban Environment	Department of Theatre
Center for Internet Augmented Research & Assessment (CIARA)	Division of Information Technology
Center for Leadership	Electrical and Computer Engineering
Center for Research on U.S. Latino HIV/AIDS and Drug Abuse (CRUSADA)	Extreme Events Institute (formerly Disaster Risk Reduction)
Center for Study of Matter at Extreme Conditions	FIU External Relations
College of Art and Architecture (CARTA)	Florida Coastal Everglades Long Term Ecological Research Network
College of Business	GIS Center
College of Medicine	Honors College
Cuban Research Institute	Infrastructure System-of-Systems (I-SoS) Research Group
Department of Architecture	Jack D. Gordon Institute for Public Policy
	Kimberly Green Latin American and Caribbean Center
Department of Asian Studies	Miami Beach Urban Studios (CARTA)
Department of Biological Sciences	Nicole Wertheim College of Nursing and Health Sciences
Department of Biomedical Engineering	Office of Research and Economic Development
Department of Biostatistics	Office of the Controller

Department of Chemistry	Phillip and Patricia Frost Art Museum
Department of Civil and Environmental	Ronald E. McNair Post Baccalaureate Achievement Program
Department of Criminal Justice*	School of Computing and Information Sciences
Department of Earth and Environment	School of Education and Human Development Faculty Publications
Department of Economics	School of Hospitality and Tourism
Department of English	School of Integrated Science and Humanity
Department of Epidemiology	School of Social Work
Department of Global and Sociocultural Studies	Southeast Environmental Research Center
Department of Health Promotion and Disease Prevention	Spanish and Mediterranean Studies
Department of History	Special Collections and University Archives
Department of Interior Architecture	Stem Transformation Institute
Department of Mathematics and Statistics	Student Leadership and Service
Department of Mechanical and Materials Engineering	Telecommunications and Information Technology Institute
Department of Modern Languages Faculty Publications *	University Graduate School
Department of Physical Therapy	Western Hemisphere Security Analysis Center
Department of Physics	Wolfsonian
Department of Politics and International Relations	Division of Information Technology
Department of Psychology	