



RESEARCH DEVELOPMENT SERVICES



**Research
Development
Services**

Visit Us At:
vpr.tamu.edu/rds



Large & Multidisciplinary Proposal Support

Candice Jongsma

Gabriel Rivera



Professional Development & Proposal Support

Jorja Kimball

Monica Bruno Holder



Early Career Faculty

Laurie S. Garton



International Programs

Monica Bruno Holder



Resources and Professional Development

- [Professional Development Calendar](#)
- **Hanover Consulting** – review and provide feedback on federal agency proposals
- **NIH R01 Bootcamp**- mentored proposal development for an R01 submission
 - Fall 2022 program – applications due April 26th
- **GWSW: NIH Fall Workshop & Spring Writing Series** for a NIH proposal
- [Meg Bouvier Medical Writing](#) – On-demand, online videos about NIH proposal mechanisms
- “Proposal Resources” @ vpr.tamu.edu/rds



LARGE AND MULTIDISCIPLINARY PROPOSAL SUPPORT

RDS assist with idea development and proposal planning and/or project management throughout the proposal development process. Specific assistance might include a combination of the following:

COORDINATION & PLANNING

WHY DO IT ALL YOURSELF?

- Provide solicitation analysis
- Proposal development planning
- Organize brain storming sessions
- Facilitate proposal team meetings

DOCUMENT ASSISTANCE

TOO MANY DOCUMENTS / NOT ENOUGH TIME?

- Provide agency specific templates and guidance
- Document collection, coordination, and compliance
- Assistance with the visual appeal of the proposal

WRITING & EDITING

NEED A FRESH PAIR OF EYES?

- Provide suggestions to increase the power and clarity of key messages/themes
- Edit and format for consistency
- Finalize/polish final documents

DOCUMENT REVIEW

READY FOR THE FINAL PUSH?

- Provide comments on the focus, organization, and development of preliminary drafts
- Organize and facilitate proposal reviews that include both internal and external reviewers

External Consultants

To provide additional assistance, RDS established a process to hire external consultants to provide additional proposal support services that includes Internal Review, Red Team Reviews, Consultations, etc.

Specializing in Physical Sciences

- The Implementation Group
- Urban Venture Complete

Specializing in Health Sciences

- Hanover Research
- McAllister & Quinn



RDS Research Development Newsletters



Multidisciplinary Funding Opportunities

- Highlights a selection of multi-investigator external funding opportunities
- Distributed in a bi-weekly basis
- Contains new and upcoming, forecasted, and COVID-19 grant opportunities
- Is now a consolidated newsletter with TEES to reduce duplication



Research Development Insider

- Disseminates research funding news and updates
- Provides information and resources for faculty to be successful
- Shares proposal development tips and tricks
- Promotes Professional Development initiatives available to faculty



Early Career Faculty Program

Targeted Programs

- Nat'l Science Foundation Early Career Faculty Development Program (CAREER)
- Dept. of Energy (DOE) Early Career Research Program
- Air Force Office of Scientific Research (AFOSR) Young Investigator Program
- Office of Naval Research (ONR) Young Investigator Program
- Defense Advanced Research Programs Agency (DARPA) Young Faculty Award

Assistance to Faculty

Group

- Workshops
- Broader Impacts Expo
- Webinars
- Writing Groups
- Mock Review Expert Panels

Individual

- Consultations
 - Develop a Proposal Plan
 - Identify initial agency program fit
 - Contact the program officer
 - Strategic Review of proposal drafts
 - Help interpret reviews
-
- Collaborations with Texas A&M University System National Labs Office and Texas A&M Engineering Experiment Station (TEES) Research Development Office



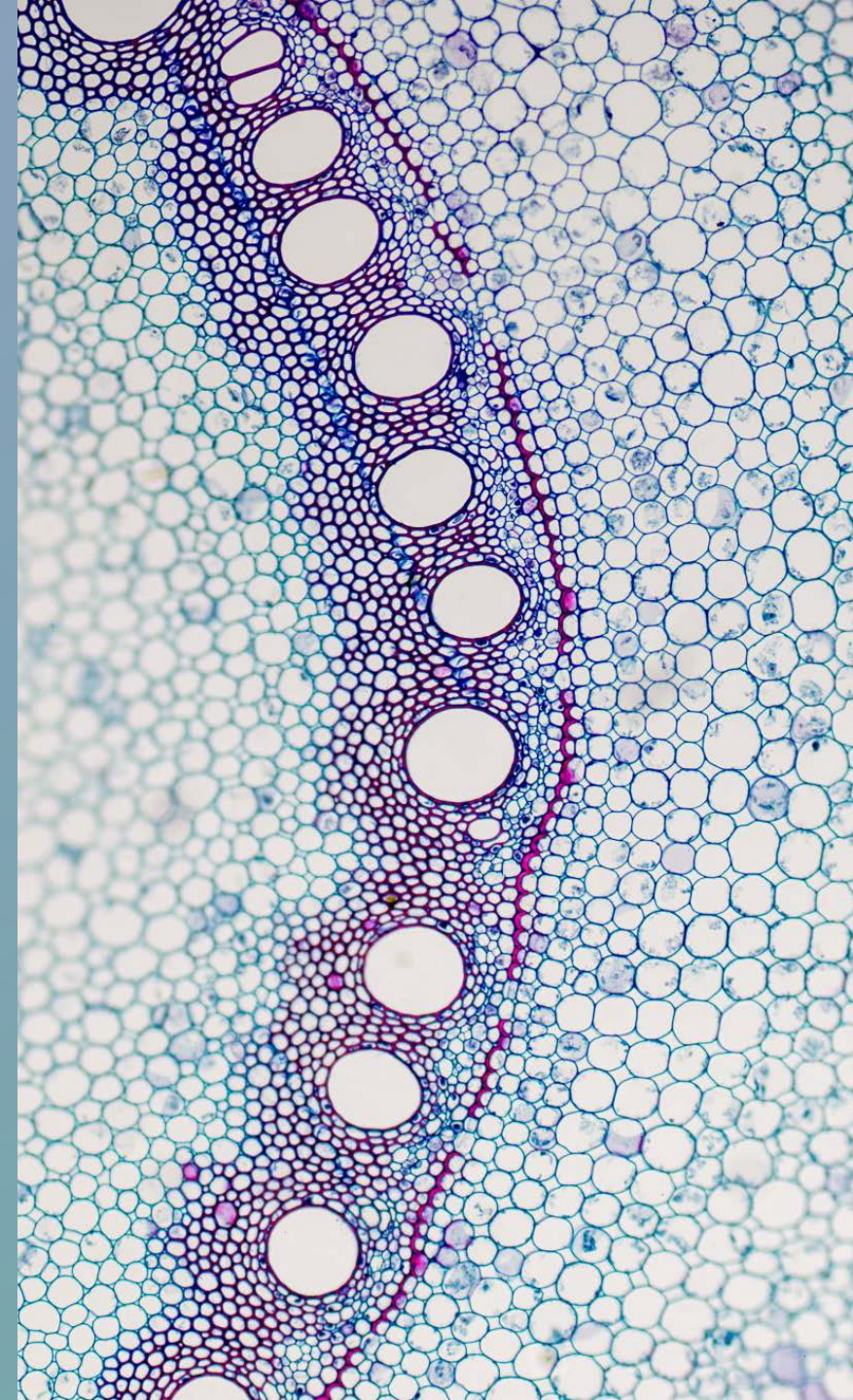
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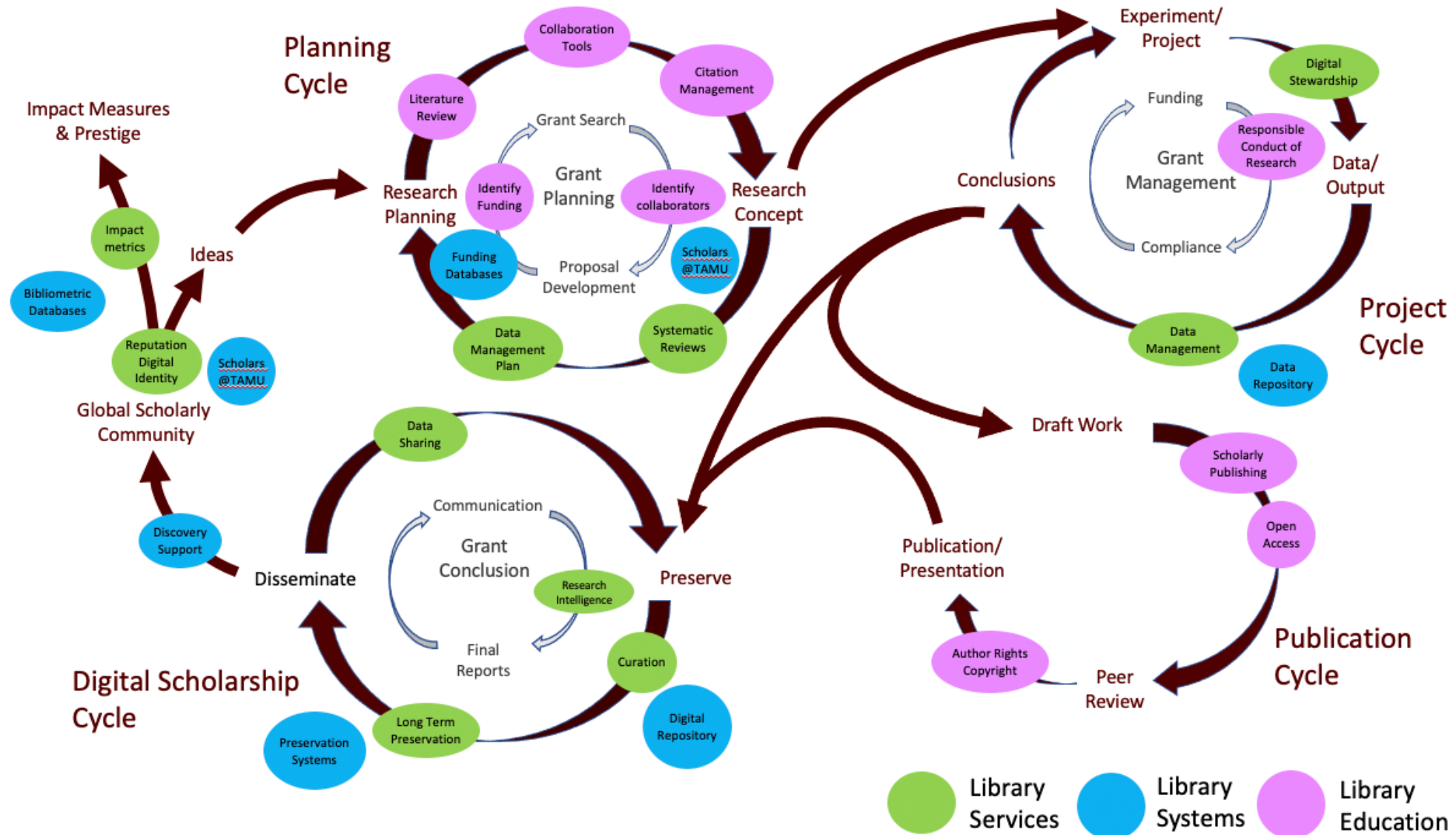
CPI: UNIVERSITY LIBRARIES UPDATE

FACULTY REPUTATION: SYSTEMS, SERVICES, AND INITIATIVES

DR. BRUCE HERBERT
OFFICE OF SCHOLARLY COMMUNICATIONS

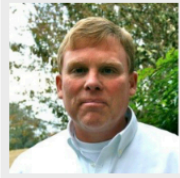


University Libraries Across the Research Lifecycle



STRATEGIES TO ENHANCE YOUR REPUTATION

- Craft Your Narrative
- Build Your Digital Identity
- Make your work accessible
- Justify your narratives with metrics



Herbert, Bruce | Professor

Positions

- › Director, Office of Scholarly Communications and Professor, [University Libraries](#)
- › Professor, [Geology and Geophysics](#), [College of Geosciences](#)

[Co-author Network](#)[Map of Science](#)[Co-investigator Network](#)**Contact Info**

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Websites

- [Google Scholar](#)
- [Library Profile](#)
- [Mendeley profile](#)
- [My Research Homepage](#)
- [Scholar Plot of BE Herbert](#)

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I currently serve as the Director of the Office of Scholarly Communications in the Sterling C. Evans library At Texas A&M University. As Director of OSC, I am responsible for strengthening the Library's efforts in scholarly communications and open access through engagement and collaboration with the faculty across campus at Texas A&M University. In addition, we are developing library services that support interdisciplinary research teams and enhance research translation and the societal i (... [more](#))

Research Areas

[Academic-industrial collaboration](#) | [Communication in learning and scholarship](#) | [Libraries](#) | [Open access](#) | [Research--Management](#) | [Soils--Quality](#)

[Academic Background](#) [Publications](#) [Grants/awards](#) [Recent Courses](#) [Works By Students](#) [Contact](#)[View All](#)**chaired theses and dissertations**

Artan, Sinem (2011-05). [Aeolian Delivery of Organic Matter to a Middle Permian Deepwater Ramp](#).

Master's

Harvey, Omar R. (2010-05). [Mechanisms of Organic-inorganic Interactions in Soils and Aqueous Environments Elucidated using Calorimetric Techniques](#).

Doctoral

SCHOLARS@TAMU

Enhancing Your Digital Identity

<http://scholars.tamu.edu>

Recent Scholars@TAMU Updates


- Improved handling of conference papers
- UN Sustainability Goals
- Data reuse for Interfolio Faculty 180 annual reporting
- Curated digital works – manuscripts, data, models
- Exploring
 - Representing shared research facilities
 - Automated tweets announcing new research publications
 - Data dashboards – VPR's Office and department heads


Metrics & Reputation: Most-cited Faculty at TAMU

Web of Science Highly Cited Researchers

<https://recognition.webofscience.com/awards/highly-cited/2021/>

[< Go to researcher recognition home](#)

 Clarivate™



Highly Cited Researchers

[2021 recipients](#) [Methodology](#) [FAQs](#)

Recognizing the true pioneers in their fields over the last decade, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in the Web of Science™. Of the world's scientists and social scientists, Highly Cited Researchers truly are one in 1,000.

Resources

- [Executive summary](#)
- [Download archived lists of Highly Cited Researchers](#)
- [Download media press kit](#). For other media enquires email isi@clarivate.com

[Clear all](#)

Executive summary

Experts from the Institute for Scientific Information™ provide exclusive insight into the list of Highly Cited Researchers 2021, including the methodology, country, and institutional breakdowns, and much more.

[Download the report](#)

Google Scholar

https://scholar.google.com/citations?view_op=view_org&org=8597344877261034358&hl=en&oi=io

Google Scholar

Search profiles


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Texas A&M University

Learn more




Leonard Berry

University Distinguished Professor of Marketing, Mays Business School, Texas A&M ...
Verified email at tamu.edu

Services Marketing Service Quality Health Services Research Improving Cancer Care Research

Cited by 215913




Othmane Bouhali

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High Energy Physics Charged particle detection HPC and Medical Physics


Cited by 133274



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Toxicology Molecular Oncology

Cited by 87540



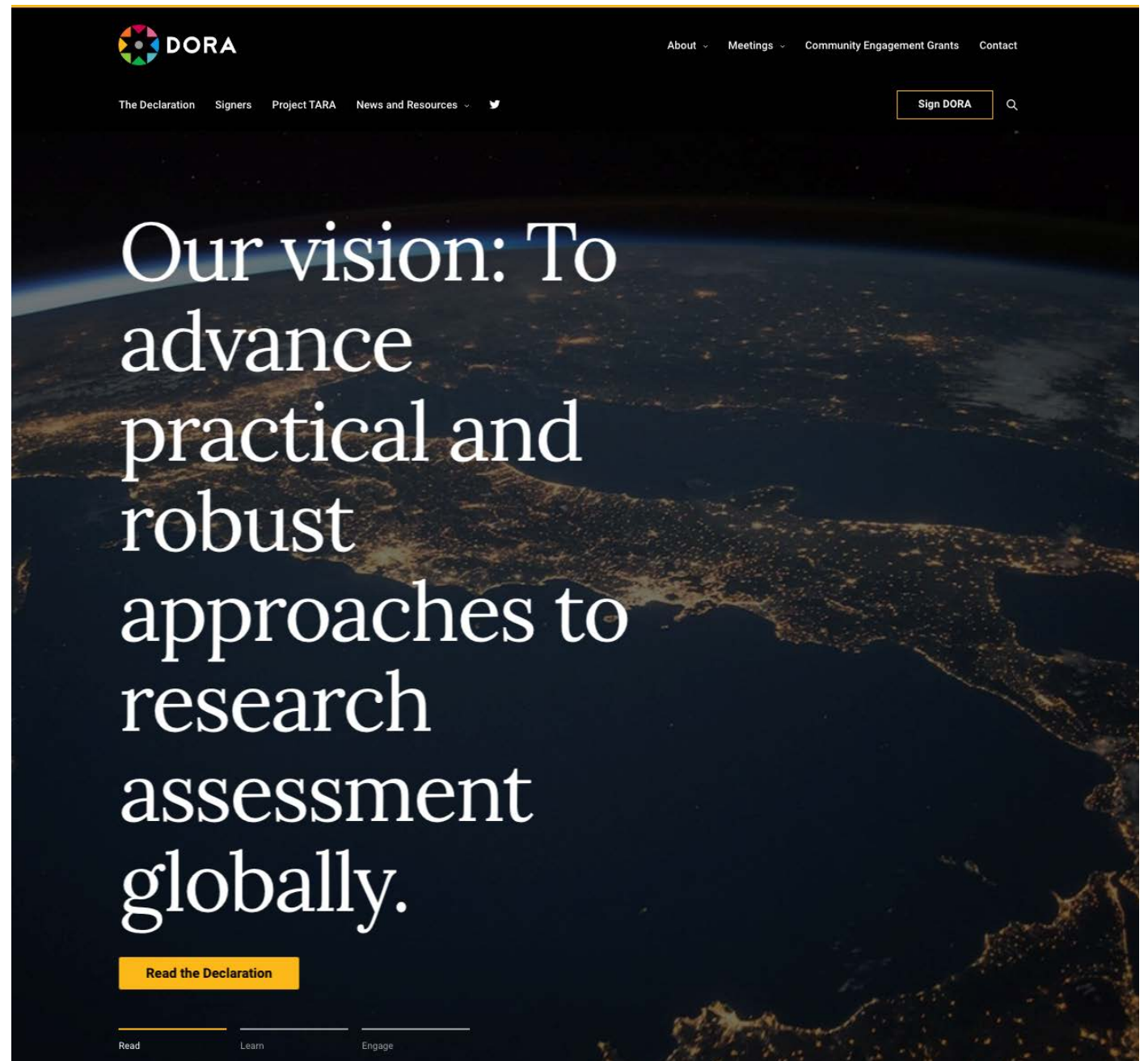
JN Reddy

Distinguished Professor and O'Donnel Foundation Chair IV in Mechanical Engineering ...
Verified email at tamu.edu

Plates and shells finite elements computational mechanics variational principles and methods
composite materials

Cited by 84893

<https://sfdora.org/>



Leiden Manifesto

<https://www.nature.com/articles/520429a>

COMMENT

SUSTAINABILITY Data needed to drive UN development goals **p.432**



CONSERVATION Economics and environmental catastrophe **p.434**

GEOLOGY Questions raised over proposed Anthropocene dates **p.436**

HISTORY Music inspired Newton to add more colours to the rainbow **p.438**



The Leiden Manifesto for research metrics

Use these ten principles to guide research evaluation, urge **Diana Hicks, Paul Wouters** and colleagues.

Data are increasingly used to govern science. Research evaluations that were once bespoke and performed by peers are now routine and reliant on metrics¹. The problem is that evaluation is now led by the data rather than by judgement. Metrics have proliferated: usually well intentioned, not always well informed, often ill applied. We risk damaging the system with the very tools designed to improve it, as evaluation is increasingly implemented by organizations without knowledge of, or

advice on, good practice and interpretation.

Before 2000, there was the Science Citation Index on CD-ROM from the Institute for Scientific Information (ISI), used by experts for specialist analyses. In 2002, Thomson Reuters launched an integrated web platform, making the Web of Science database widely accessible. Competing citation indices were created: Elsevier's Scopus (released in 2004) and Google Scholar (beta version released in 2004). Web-based tools to easily compare institutional research productivity and impact

were introduced, such as InCites (using the Web of Science) and SciVal (using Scopus), as well as software to analyse individual citation profiles using Google Scholar (Publish or Perish, released in 2007).

In 2005, Jorge Hirsch, a physicist at the University of California, San Diego, proposed the *h*-index, popularizing citation counting for individual researchers. Interest in the journal impact factor grew steadily after 1995 (see 'Impact-factor obsession'). Lately, metrics related to social usage

ILLUSTRATION BY DAVID PARKINS

(Re)Claiming Your Narrative



“The personal statement ... is your opportunity to make your own case. The statement communicates a quick sense of whether you know who you are, where you’ve been, and where you’re going in your career.”

Texas A&M Tenure & Promotion
Guidelines

Best Practices for the use of Scholarly Impact Metrics

Developing a Narrative About Scholarly and Creative Impact

We often have to develop a narrative of the impact of our scholarly and creative work for a dossier for tenure or promotion¹, grant proposals, or for an academic program review?

A scholarly impact narrative is a concise statement that explains the quality, productivity over time, and impact of your scholarly or creative work. The narrative often reports on your past accomplishments, present activities, and future plans. For instance, an impact narrative needed for your tenure and promotion dossier.

"...is your opportunity to make your own case. The statement communicates a quick sense of whether you know who you are, where you've been, and where you're going in your career."

"...the personal statement provides context for your achievements beyond what is visible on the c.v., showing that they fit into a meaningful plan for your development as a scholar, teacher and university citizen."

It should provide an interpretation of your work and go beyond simple reiteration of the content of your vita. The statement, in conjunction with the CV, should provide evidence that significant research ideas and research activities are coming to fruition and that there is evidence of future promise.

Evaluating Your Scholarly Impact

Citation analysis and other bibliometric methods help justify your scholarly impact narrative by providing evidence of three characteristics of scholarship: scholarly output, scholarly impact, and the nature and



Source: UNSW Research Impact Guide:
<http://subjectguides.library.unsw.edu.au/researchimpact>

Best Practices for Use of Scholarly Impact Metrics

<https://hdl.handle.net/1969.1/156054>

Context to Metrics: Qualitative Assessment of Citations

- Consistent citation through corpus
- Citation through time
- Who is citing your work?
 - (Famous) people
 - Transdisciplinary
 - Global
- Read and synthesize what others say about your work

Multidimensional Impact metrics: Thinking Beyond Citations

- **Field citation ratios** (Dimensions): a normalized citation rate where citations are compared to the mean of citations of publications in the same discipline.
- **Alternative metrics** (Altmetric Explorer): societal engagement with research on social media, newspapers Wikipedia, and government reports that show impact on policy
- Library purchases of **monographs** (WorldCat)
- Are you reaching the next generation? **Citations on syllabi** collected from US institutions identified through the Open Syllabus Project (<https://opensyllabus.org/>)

REQUEST A CONSULTATION

- Dr. Bruce Herbert, Director
Office of Scholarly Communications
beherbert@tamu.edu
- Information sheets:
<https://oaktrust.library.tamu.edu/handle/1969.1/193334>

Empowering Faculty Teaching and Student Learning Through Open Educational Resources

Dr. Bruce Herbert, Director
Office of Scholarly Communications
Texas A&M University

Except where
otherwise noted...



Is TAMU Educating A “Broad Segment” of Texas?

ACCESS

What kind of students attend Texas A&M

		<div> <div>Among the lowest</div> <div>About typical</div> <div>Among the highest</div> </div>	
		IN TEXAS	AMONG HIGHLY SELECTIVE PUBLIC COLLEGES
Median family income	\$130,900	<div>Among the highest</div>	<div>Among the highest</div>
Average income percentile	76th	<div>Among the highest</div>	<div>About typical</div>
Share of students from top 0.1%	<1%	<div>Among the highest</div>	<div>Among the highest</div>
...from top 1%	4.2%	<div>Among the highest</div>	<div>Among the highest</div>
...from top 5%	23%	<div>Among the highest</div>	<div>Among the highest</div>
...from top 10%	40%	<div>Among the highest</div>	<div>Among the highest</div>
...from top 20%	59%	<div>Among the highest</div>	<div>Among the highest</div>
...from bottom 20%	4%	<div>Among the lowest</div>	<div>About typical</div>

(\$166,200*)

(\$131,350*)

NY Times using data from Dr. Ray Chetty, Opportunity Insights, Harvard University

<https://www.nytimes.com/interactive/projects/college-mobility/texas-am-university>

* <https://www.usatoday.com/story/money/2020/11/20/income-it-takes-to-be-considered-rich-in-every-state/114967522/>

Social Mobility of Texas A&M Students

MOBILITY

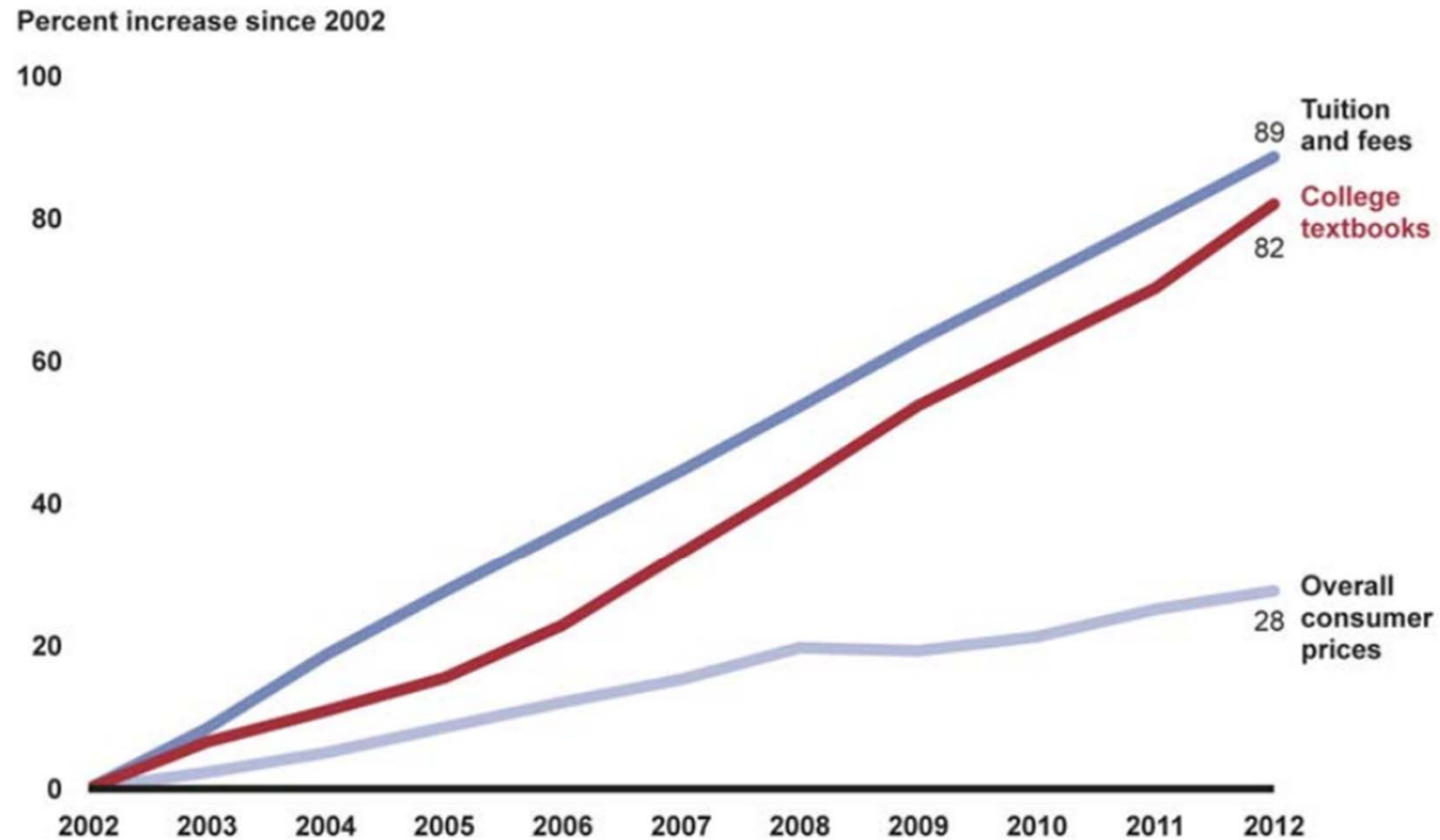
Share of students at Texas A&M who ...

■ Among the lowest □ About typical ■ Among the highest

		IN TEXAS	AMONG HIGHLY SELECTIVE PUBLIC COLLEGES
Moved up two or more income quintiles	13%	■	■
Moved from the bottom to top income quintile	1.4%	■	■

NY Times using data from Dr. Ray Chetty, Opportunity Insights, Harvard University
<https://www.nytimes.com/interactive/projects/college-mobility/texas-am-university>

Figure 1: Estimated Increases in New College Textbook Prices, College Tuition and Fees, and Overall Consumer Price Inflation, 2002 to 2012



Source: Bureau of Labor Statistics' Consumer Price Index data.

\$1,207

Average student budget for books and
supplies for the 2013-2014 academic
year

The New York Times

THE GREAT DIVIDE | May 12, 2013, 9:09 pm | 673 Comments

Student Debt and the Crushing of the American Dream

By JOSEPH E. STIGLITZ



*The Great Divide
is a series about
inequality.*

TAGS:

COLLEGES AND
UNIVERSITIES, FOR-PROFIT
SCHOOLS, STUDENT LOANS,
UNITED STATES ECONOMY

A CERTAIN drama has become familiar in the United States (and some other advanced industrialized countries): Bankers encourage people to borrow beyond their means, preying especially on those who are financially unsophisticated. They use their political influence to get favorable treatment of one form or another. Debts mount. Journalists record the human toll. Then comes bewilderment: How could we let this happen again? Officials promise to fix things. Something is done about the most egregious abuses. People move on, reassured that the crisis has abated, but suspecting that it will recur soon.

2 in 3

Students say they decided against
buying a textbook because the cost is
too high

1 in 2

Students say they have at some point
taken fewer courses due to the cost of
textbooks

You can't **learn** from
materials you can't
afford

OFFICE OF SCHOLARLY COMMUNICATIONS

Texas A&M University Libraries

We can do better.

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OPEN EDUCATIONAL RESOURCES

Hewlett Foundation Definition:

“OER are teaching, learning, and research resources that reside in the public domain or are released under an intellectual property license that permits their **free use and repurposing** by others”

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Revise

- Adapt, modify, and improve

Remix

- Combine two or more

Redistribute

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Browse Subjects

- Accounting & Finance
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- Economics

Open Textbook Library

As an instructor, you want your students to have the best textbooks possible. Unfortunately, not all students can afford the high cost of traditional textbooks.


You can change that!

You can ensure that ALL of your students will have access to your course textbook content. In addition, you can edit the textbooks to fit your courses and best meet the needs of your students.


Open textbooks are real, complete textbooks licensed so teachers and students can freely use, adapt, and distribute the material. Open textbooks can be downloaded for no cost, or printed inexpensively.

This library is a tool to help instructors find affordable, quality textbook solutions. All textbooks in this library are complete and openly licensed.

Partners



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Contribute Reviews

If you are a faculty member from any institution, you can support this project and help your peers evaluate the textbooks in this catalog by writing a review of an open textbook in your field.

Only experts like you can determine quality.

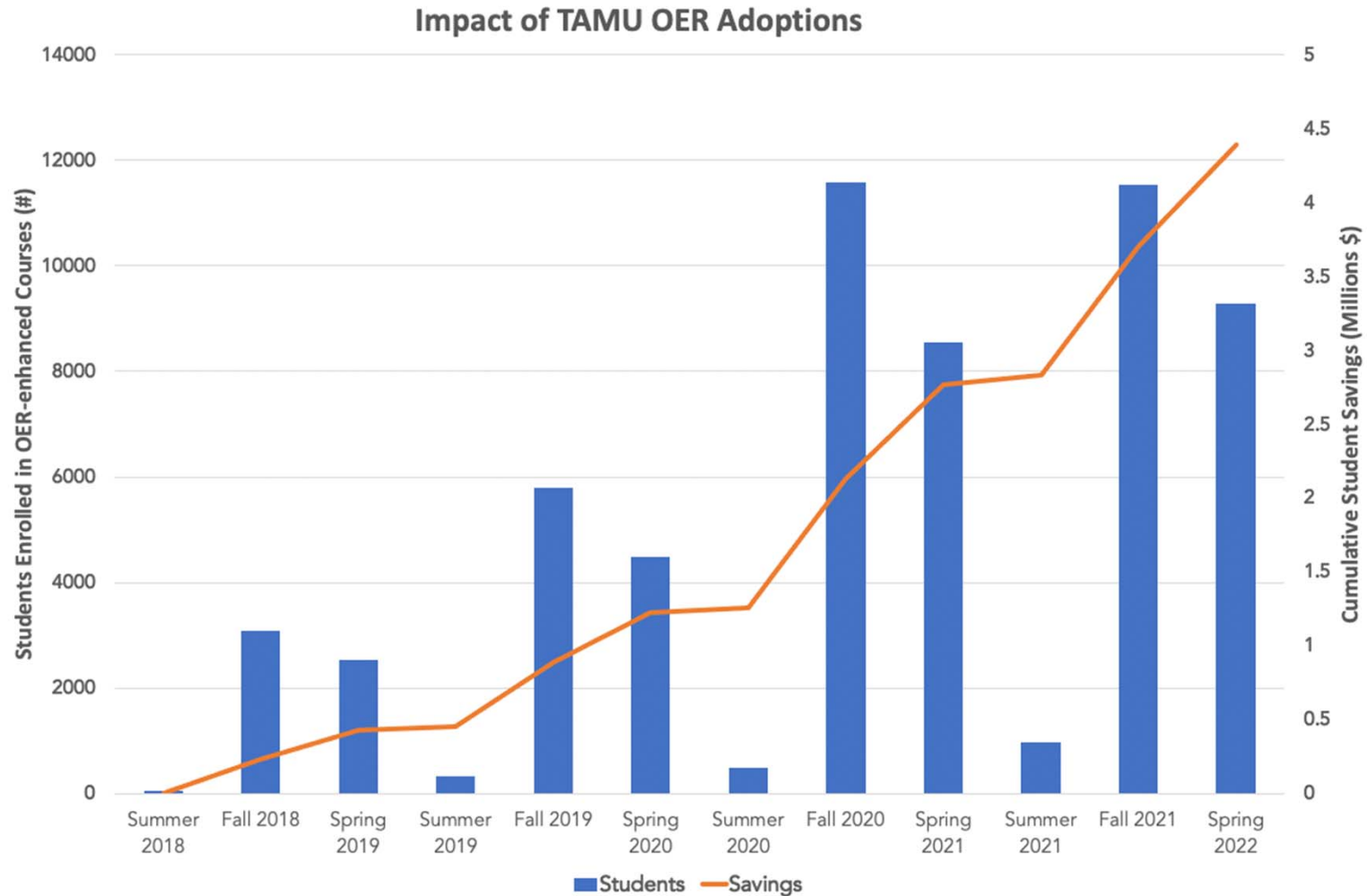
Email us at open@umn.edu to get started.

<http://open.umn.edu>

Potential Impact of OERs.....

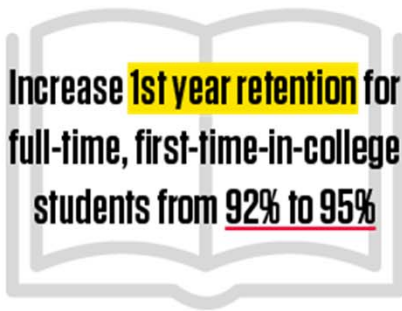
- for our students
- for your teaching (and research!)
- for your career

Library OER Programs Improve Texas A&M's Affordability



We Can Do Better...

Texas A&M's Student Success Initiative



<https://studentsuccess.tamu.edu/About-Us/Student-Success-Initiative>

Enhancing the Design of Gateway Experiences (EDGE) Program

- Focus on required, high enrollment courses
 - Gateways for remaining in a major
 - Bottlenecks for student success
- Faculty driven course redesign
- Implement improved advising system
- (Some) Adapt/author OER

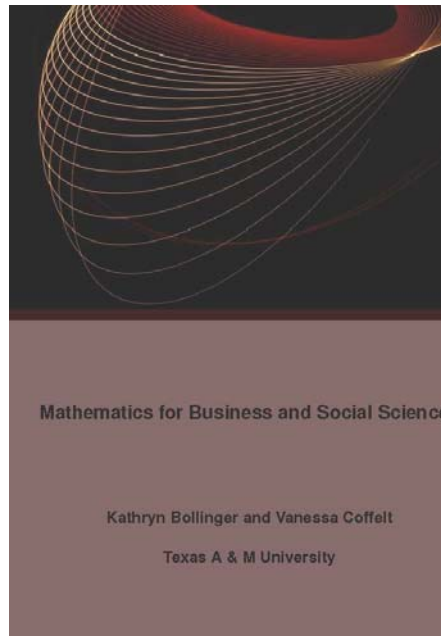
[https://cte.tamu.edu/getattachment/Communities,-Programs-and-Models/Program-ReDesign/2020-10-29-v15-Fowler-PRD-Model-for-Curriculum-\(1\).pdf](https://cte.tamu.edu/getattachment/Communities,-Programs-and-Models/Program-ReDesign/2020-10-29-v15-Fowler-PRD-Model-for-Curriculum-(1).pdf)



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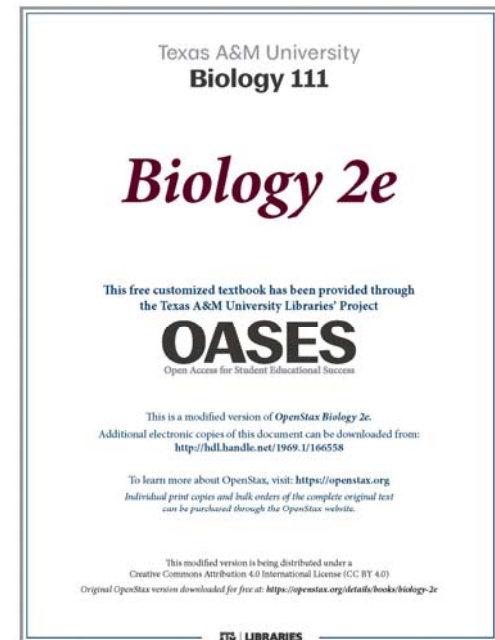
Texas A&M University Libraries

New OERs from Texas A&M



Authored OERs for
Business Math course
sequence

<https://oaktrust.library.tamu.edu/handle/1969.1/188687>



Adapted Openstax OER
for Intro BIOL course
sequence

<https://oaktrust.library.tamu.edu/handle/1969.1/166558>

Library Support of Enhancing the Design of Gateway Experiences (EDGE) Program

- Focus on required, high enrollment courses
- (Some) Adapt/author OER
- **Direct Improvement in student success metrics**
- Currently Working with HIST

Introductory Biology 111 – D/F/W Grades Pre- & Post Comparisons

TERM	N	OVERALL	URM	FG	<\$60K
2018C	2,006	19%	36%	29%	29%
2019C	2,000	15%	20%	22%	20%

TAMU OER Programs Result in National Recognition



2021 Texas A&M Sustainability Champions Team Award for ENGL 210 OER.

Librarians: Sarah LeMire and Kathy Anders;
English Department: Claire Carly-Miles, Gia
Alexander, Kimberly Clough, James Francis,
Matt McKinney, Nicole Hagstrom-Schmidt, ;
Kalani Pattison,

2020 ACRL Instruction Section Innovation Award for OER integrating information literacy and composition into the ENGL 104 curriculum.

Librarians: Sarah LeMire and Kathy Anders;
English Department: Terri Pantuso

2022 Provost Academic Professional Track Faculty Teaching Excellence Award

English Department: Terri Pantuso

Take Home
Message:

OERs
represent...

An effective way to
enhance student success

Can synergy between your
research and teaching

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Texas A&M University Libraries

Thank you

Dr. Bruce E. Herbert,
beherbert@tamu.edu

