

9-25-2018

Collection assessment : Environmental Chemistry, USFSP, 2018

Nelson Poynter Memorial Library.

Theresa Burress

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Recommended Citation

Nelson Poynter Memorial Library. and Burress, Theresa, "Collection assessment : Environmental Chemistry, USFSP, 2018" (2018).
All-Library Assessments Reports, Summaries & Misc Reports. 20.
https://digital.usfsp.edu/npml_collection_assessments/20

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X. Non-Faculty Resources

A. Describe library resources currently available to implement and/or sustain the proposed program through Year 5. Provide the total number of volumes and serials available in this discipline and related fields. List major journals that are available to the university's students. Include a signed statement from the Library Director that this subsection and subsection B have been reviewed and approved.

Overview of Library

The Nelson Poynter Memorial Library, University of South Florida St. Petersburg (USFSP), houses an extensive collection of materials that supports the educational, research, and service missions of USF St. Petersburg. USFSP faculty, staff, and students have on-site access to the Poynter Library's collection of over 221,620 items, including monographs, current periodical and serial subscriptions, newspaper subscriptions, and audiovisual titles, as well as to the shared electronic resources of the USF System (a Carnegie Research 1 doctoral institution). Electronic resources of the USF System include access to more than 1.6 million e-books, over 50,000 journal titles, over 28,000 streaming videos, and over 900 aggregator databases containing e-books, journal articles, magazine articles, newspaper articles, streaming video, audio files, and still images. Access to subscribed electronic resources is available remotely 24/7.

As a result of the U Borrow agreement between USF and the other Florida state universities and colleges, USFSP students and faculty have rapid access to nearly 20 million additional books. USFSP students and faculty can also take advantage of a well-regarded interlibrary loan (ILL) service, which will quickly obtain items not held by Florida state university and college libraries.

Specialized discovery databases accessible to USFSP students and faculty related to environmental chemistry include:

- Corrosion Abstracts
- Environmental Index
- Index Chemicus
- Pollution Abstracts
- ProQuest Environmental Science Collection
- Reaxys
- SciFinder Scholar
- Toxicology Abstracts
- Water Resources Abstracts

Additional content related to environmental chemistry issues can be found in the following indices and full-text databases covering multidisciplinary sciences:

- Applied Science & Technology Source
- Data Citation Index
- Elsevier ScienceDirect
- General Science Full Text
- GEOBASE
- GeoRef
- Inspec (Engineering Village)
- Scitation

- SpringerLink
- Web of Science

A review of USF E-Journals indicates 85 scholarly journal titles in the categories of environmental chemistry and ecotoxicology are available to USFSP faculty and students. In addition, the top 25 cited journals in the topic of environmental chemistry according to a Web of Science search are available to USFSP faculty and students. These 25 high-impact peer-reviewed journals are listed here:

- *ACS Sustainable Chemistry & Engineering*
- *Atmospheric Environment*
- *Chemistry - A European Journal*
- *Chemosphere*
- *Environmental Earth Sciences*
- *Environmental Monitoring and Assessment*
- *Environmental Pollution*
- *Environmental Pollution. Series B. Chemical and physical*
- *Environmental Science & Technology*
- *Environmental Science and Pollution Research International*
- *Environmental Toxicology and Chemistry*
- *Green Chemistry Letters and Reviews*
- *Green Chemistry*
- *Integrated Environmental Assessment and Management*
- *Journal of Chemical Education*
- *Journal of Cleaner Production*
- *Journal of Environmental Sciences*
- *Journal of Hazardous Materials*
- *Journal of Industrial and Engineering Chemistry*
- *Journal of the American Chemical Society*
- *Pure and Applied Chemistry*
- *Química Nova*
- *RSC Advances*
- *Science of the Total Environment*
- *Water Research (Oxford)*
- *Water, Air and Soil Pollution*

Other notable peer-reviewed journals in the areas of environmental chemistry that are available to USFSP faculty and students include:

- *Advances in Environmental Chemistry*
- *Bioresource Technology*
- *Chemistry and Biodiversity*
- *Chemistry and Ecology*
- *ChemSusChem*
- *Current Opinion in Green and Environmental Chemistry*
- *Environmental Chemistry Letters*

- *International Journal of Environmental Analytical Chemistry*
- *Isotopes in Environmental and Health Studies*
- *Journal of Water Chemistry and Technology*
- *SAR and QSAR in Environmental Research*
- *Toxicological & Environmental Chemistry*
- *Trends in Environmental Analytical Chemistry*

An examination of the USFSP Library Catalog for books on the targeted subject heading of “environmental chemistry” indicates:

Print book titles: 71

Ebook titles and chapters:

Elsevier Science	30,802 book chapters
Wiley books & reference works	9,626
ProQuest Ebook Central	8,921
Springer	1,187
Taylor and Francis	361
Project Muse	45
e-Book Collection (EBSCOhost)	21

B. Describe additional library resources that are needed to implement and/or sustain the program through Year 5. Include projected costs of additional library resources in Table 2 in Appendix A. Please include the signature of the Library Director in Appendix B.

No additional library resources are required. A large portion of the USF Libraries’ budget supports the continuation of electronic resources. Environmental chemistry, environmental toxicology, and the broader chemistry and environmental science disciplines are well represented throughout the USF Libraries’ electronic journal subscriptions.