LIBRARY RESOURCES
IN SUPPORT OF THE
COLLEGE OF AGRICULTURE AND FOOD SCIENCES

Collections

Library resources and services are sufficient to ensure the achievement of the goals and outcomes of the College of Agriculture and Food Sciences. The University Libraries provide collections of current books, periodicals, and pertinent reference materials, which are readily accessible to students and are sufficient in scope to support the Agriculture and Food Sciences curriculum. The Samuel H. Coleman Memorial Library (the main library) and branch libraries provide traditional print and non-print resources, electronic access to full-text, bibliographic and abstracting databases, and numerous online and traditional services.

The following table shows library holdings targeted for use by the general campus and community population, as well as holdings targeted to support the College of Agriculture and Food Sciences.

<table>
<thead>
<tr>
<th>Library Resources</th>
<th>General</th>
<th>Agriculture</th>
<th>Food sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holdings</td>
<td>1,787,342</td>
<td>36,447</td>
<td>4,890</td>
</tr>
<tr>
<td>Books</td>
<td>1,174,736</td>
<td>32,876</td>
<td>3,753</td>
</tr>
<tr>
<td>Microforms</td>
<td>186,213</td>
<td>6,607</td>
<td>63</td>
</tr>
<tr>
<td>Media</td>
<td>9,400</td>
<td>177</td>
<td>45</td>
</tr>
<tr>
<td>Electronic books</td>
<td>58,864</td>
<td>596</td>
<td>2,953</td>
</tr>
<tr>
<td>Serial/Periodical Titles</td>
<td>77,404</td>
<td>2,983</td>
<td>387</td>
</tr>
<tr>
<td>Electronic Journals</td>
<td>52,021</td>
<td>1,524</td>
<td>608</td>
</tr>
<tr>
<td>Electronic databases</td>
<td>314</td>
<td>70</td>
<td>34</td>
</tr>
</tbody>
</table>

In addition to library resources cited above, FAMU is a depository for United States government documents. This collection contains more than 4,891 full-text electronic titles and 156,949 print volumes. Of this number, 24,740 government documents are related to agriculture and 21,417 are available online.

The University maintains borrowing agreements and memberships that mutually enhance resources availability for FAMU and other Florida learning communities. Partnerships are with the State University Libraries of Florida, the Florida College System Libraries and the State Library of Florida. Memberships are with the Florida Center for Library Automation (FCLA), the Florida Distance Learning Consortium and the Southern Regional E Board (SREB). Florida public postsecondary college and university libraries provide services directly and indirectly to students and faculty of State of Florida postsecondary institutions. Over 20, 140,717 volumes
held by the other 39 Florida public postsecondary institutions supplement the FAMU collections. The following information details the additional resources and services available to FAMU students and faculty.

<table>
<thead>
<tr>
<th>Libraries</th>
<th>General Resources</th>
<th>Agriculture</th>
<th>Food Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>State of Florida Universities</td>
<td>15,257,337</td>
<td>239,129</td>
<td>14,938</td>
</tr>
<tr>
<td>Florida College System</td>
<td>4,883,380</td>
<td>5,384</td>
<td>209,314</td>
</tr>
</tbody>
</table>

Full onsite and reciprocal borrowing privileges to students and faculty at all 39 Florida public institutions of postsecondary education is provided. Service includes daily document delivery via statewide courier among nearly 300 libraries in the Florida Library Information Network (FLIN). FAMU students and faculty have access to the courier service for interlibrary loan transactions.

Faculty and students also have access to the Publication of Archival, Library & Museum Materials (PALMM) Collection. This collection is a cooperative initiative of the public Universities of Florida to provide digital access to unique archival resources for research and scholarship. The PALMM collection contains 478 items related to Agriculture.

**Expenditures for Agriculture and Food Sciences Resources**

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<tbody>
<tr>
<td>University Library Budget</td>
<td>$2,160,875.00</td>
<td>$2,700,913.00</td>
<td>$2,551,096.00</td>
<td>$2,504,384.00</td>
<td>$2,500,401.00</td>
</tr>
<tr>
<td>Books</td>
<td>$11,210.00</td>
<td>$14,664.00</td>
<td>$26,964.00</td>
<td>$10,561.00</td>
<td>$13,268.00</td>
</tr>
<tr>
<td>Journals</td>
<td>$12,512.00</td>
<td>$16,880.00</td>
<td>$18,252.00</td>
<td>$21,079.00</td>
<td>$22,645.00</td>
</tr>
<tr>
<td>Databases</td>
<td>$552,264.00</td>
<td>$512,991.00</td>
<td>$556,810.00</td>
<td>$590,208.00</td>
<td>$615,040.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$575,986.00</strong></td>
<td><strong>$544,535.00</strong></td>
<td><strong>$602,026.00</strong></td>
<td><strong>$621,848.00</strong></td>
<td><strong>$650,953.00</strong></td>
</tr>
</tbody>
</table>

In addition to the funds provided by the University, several electronic resources in support of Agriculture and Food Sciences are funded by the Florida Center for Library Automation at an annual cost of approximately $405,952.

**Access to Collections and Services**

Students, faculty and staff have access to collections, resources and services 24 hours a day, seven days a week, either through the 108 hours that the main library is open or through the library web page. Through the University Libraries’ web page (http://www.famu.edu/?a=library), faculty and students have full access to the FAMU library catalog on or off campus, and the library catalogs of the State of Florida University and Florida College System libraries. Online resources and services are available within the libraries, from campus computers, in faculty offices, and from residence halls. Off-campus access is also available 24 hours a day to authenticated users (students, faculty, and staff). Support services such as instruction, interlibrary loans, loan renewals, course reserves, reference assistance,
instruction, and distance learning services are also accessible from the web page.

Services

FAMU Libraries provide a full range of traditional and innovative library services. Users have access to reference services via local and toll free telephone, electronic mail, online chat service (AskALibrarian), and fax. Services enable users to access and to use information resources in the libraries and from remote locations. The Information Commons, in Coleman Library, allows users to access main library services from one common area. Several Library services are available from this service point. Services include borrowing privileges, interlibrary loan, course reserves, reference and research services, and systems support services.

Borrowing Privileges
Students, faculty, and staff have borrowing privileges at the FAMU Libraries, and reciprocal borrowing privileges to the 39 public universities and colleges in Florida. Borrowers may view and renew items that are currently checked out through the online catalog.

Interlibrary Loan
Students, faculty, and staff who are currently enrolled and engaged in academic research have Interlibrary Loan (ILL) borrowing privileges to the 39 public universities and colleges in Florida and to other libraries globally. Requests may be initiated in person or through the online catalog, which along with reciprocal borrowing and the provision of licensed databases, provides access to materials that the University does not own. The Libraries have recently instituted Rapid ILL and UBorrow. Through the Rapid service users may request and receive journal articles within 24 hours. UBorrow is a user-centered service which enables users to request materials directly through the Libraries online catalog with minimal staff involvement; thereby, granting fast, convenient delivery.

Course Reserves
Print and electronic materials may be placed on reserve at the Libraries. The reserve service provides a central and convenient location for students to retrieve materials. These materials are owned by the University or come from the private collections of faculty who place materials on reserve for enrolled students.

Reference and Research Services
On site and virtual reference/research services are provided. Reference Services include individual research/consultation, the provision of electronic and print subject guides, and the provision of online tutorials. Reference librarians provide a variety of instructional services to meet the information literacy needs of students, faculty, staff, administrators, and the community at large.

Instruction/Information Literacy

The University Libraries provide competent, quality, and timely instruction through a variety of instructional services. Information is delivered through informal and point of use instruction, individual and group instruction, formal orientations and literacy sessions, orientation to new
student groups, subject specific scheduled workshops, printed handouts, subject guides and online tutorials. Instruction is provided to local users as well as to distance learners. Library users should be able to differentiate between trustworthy and untrustworthy sources, and have the skills to use resources independently. Instruction (information literacy) sessions are designed to equip users with the skills needed to locate, evaluate, and use library information resources and services. Formal literacy instruction is based upon goals as defined by classroom faculty. These classes are held in state-of-the-art classrooms, which allow hands-on interactive instruction. Library instruction is based upon guidelines published by the Association of College and Research Libraries (ACRL) Guidelines for Instruction Programs in Academic Libraries.

Liaison Program
The library liaisons with all academic units to assure that the collection supports defined curricular goals and that adequate service, including instruction are provided. The College of Agriculture has appointed representatives to the Library Collection Development Committee. The representatives work in collaboration with library faculty to evaluate, select, and purchase resources recommended for Agriculture and Food Sciences programs.

Systems Support Services
The Systems Department provides and maintains 283 public computers along with software, hardware and support services necessary for providing and using information resources. Computers are configured to provide access to the libraries’ web page and online catalog. Computers are also configured with various types of production software allowing users’ access to the Microsoft Office Suite (Word, Excel, PowerPoint, OneNote, InfoPath, Groove, and Access), Write-N-Cite, and Course Compass. Designated computer areas make it possible for patrons to save documents temporarily to a designated hard drive. As a result of customer service surveys and analysis, several additional services have been made available. Separate email stations have been installed near the Information Commons Desk. A Microtek 9800XL flatbed scanner that provides scanning of photos and multiple document formats and sizes is available. A Print-N-Go station is available for patrons who need to print documents hurriedly and go. Computers have been placed in group study rooms and in the Jazzman’s Café and Study Lounge. Library users can print to a designated print station. Computers are located on each floor of the main library and in all branch libraries. A help desk is staffed as part of the Information Commons to assist users with software applications and technology support. Helpdesk staff assists patrons with directional questions, laptop registration and circulation, referrals and resolution of computing and printing needs and issues.

Staff
All Library and related personnel meet or exceed minimal educational requirements as defined by ACRL. Librarians hold master’s degrees from ALA accredited schools. Additionally, two faculty librarians have completed the specialists’ degree in library science; four faculty librarians have completed master’s degrees in other subject disciplines; and two faculty librarians have completed the Ph.D. degree in library science or information studies. The University employs 16 professional librarians. Support staff are also very well qualified, evidenced by 1 support staff holding a master’s degree and 17 support staff holding bachelor’s degrees.

Library Resources in Support of the College of Agriculture and Food Sciences
Prepared by Jean Adams and Brenda Wright, February 2012
Facilities

All faculty and students have full access to the facilities of FAMU’s Coleman Memorial Library, branch libraries, and reading rooms. These facilities more than adequately support faculty and student use of information technology for instruction, learning and research. Coleman Memorial Library occupies approximately 88,964 net square feet. Almost 20,000 additional square feet are available in the branch libraries and reading rooms. The University Libraries presently have a seating capacity of 920, including group study rooms, a student study lounge and cafe, and 20 graduate/faculty study carrels. The recent addition to Coleman Library also includes a state of the art information literacy classroom and teleconference rooms. All library facilities enjoy dense fiber optic wiring (one outlet for every 40 square feet of floor space) to the desktop. In addition to fiber wiring, much of the main library and its immediate grounds are wireless, enabling students and faculty convenient and generous access to the wireless network using their own supported laptops, or they may choose to borrow a Dell laptop PC, Apple IPad or Macbook, Toshiba Netbook; or Apple iPod or Sony for Nook e-Reader, all of which can be checked out from the Libraries Information Commons Desk.

The Office of Instructional Technology is housed in the Coleman Library. Instructional Technology contains two teleconference centers/distance learning classrooms, with a combined seating capacity of over 50 people, designed for both satellite teleconferencing and for mediated viewing. The IMC also contains an open computer laboratory, television services, graphics and production laboratory, and faculty development laboratory. Non-print resources and equipment are available for faculty to borrow and/or view.
Access Science

AGNIC
AGNIC provides full text access to over 60 topics in the areas of agriculture, food, and natural resources.

Agricola (CSA)
Bibliographic database consisting of literature citations for journal articles, monographs, proceedings, theses, patents, translations, audiovisual materials, computer software, and technical reports pertaining to all aspects of agriculture.

Agricola (Public Access)
The National Agricultural Library's (NAL) Web Gateway to AGRICOLA (AGRICultural OnLine Access). The database includes journal articles, book chapters, short reports, and reprints, as well as, access to the NAL online catalog.

Agricultural & Environmental Biotechnology Abstracts
Covers agricultural products involving both plants and animals, new applications across the food industry, and wide-ranging environmental developments. Plant genome studies, now the focus of major research initiatives around the world, are examined in detail.

Agriculture Network Information Center
Provides over 5,000 serial publications, books, reports, conference proceedings, translations and limited distribution literature in aquatic sciences.

ASFA 1: Biological Sciences and Living Resources
This journal is valuable to environmentalists, medical and veterinary laboratory staff, agricultural researchers, cell biologists, geneticists, toxicologists, and many others.

Biological & Agricultural index Plus
The database includes abstracts and full text coverage for selected journals. Periodical coverage includes a wide range of scientific journals, from popular to professional, that pertain to biology and agriculture. About 45 percent of the focus is on agriculture.

Biological Sciences
This interdisciplinary database offers abstracts and citations to a wide range of research in biomedicine, biotechnology, zoology and ecology, and some aspects of agriculture and veterinary science.

Biotechnology & Bioengineering Abstracts
This database provides bibliographic coverage of ground-breaking research, applications, regulatory developments and new patents across all areas of biotechnology and bioengineering, including agricultural.

Biotechnology Research Abstracts
Provides access to international research on all aspects of biochemical, medical, and microbial technology as applied to bioengineering, medicine, agriculture and environmental science.
**Cab Direct**  
Provides access to bibliographic and full text applied life science articles.

**Cambridge Scientific Abstracts**  
A collection of more than 50 databases providing bibliographic coverage to current research in multiple disciplines, e.g. agriculture, the biological sciences, engineering and technology.

**Compendex**  
A comprehensive bibliographic database of scientific and technical engineering research.

**CSA Engineering Research Database**  
Covers the international serial and non-serial literature in environmental engineering, including energy production and developments in new technologies.

**Environmental Engineering Abstracts**  
Environmental Engineering Abstracts covers the world literature pertaining to technological and engineering aspects of air and water quality, environmental safety, and energy production.

**IEEE Xplore**  
Provides full text access to journals and technical literature in electrical engineering, computer science, and electronics, includes agricultural engineering.

**INSPEC**  
Provides bibliographic information and abstracts on the world's output of published works in physics, electrical engineering and electronics, computing, and information technology, including physics in agriculture, computers in agriculture, and electricity in agriculture.

**ISI Web of Science**  
Articles, abstracts, and citations from Citation Index, Social Science Citation Index, and Arts & Humanities Citation Index.

**ScienceDirect**  
The ScienceDirect Database is the electronic full text version of approximately 650 of Elsevier's traditional research journals including the fields of Chemistry and Chemical Engineering; Earth and Planetary Sciences; Engineering and Technology; Environmental Science; and Life Sciences.

**SciFinder**  
Provides access to journal articles and patent information from many scientific disciplines, including agricultural science. Access single and multi-step reactions, experimental and predicted properties, and substance information from the CAS REGISTRY.

**Sustainability Science Abstracts**  
This database explores the management of human use and conservation of the natural resource base.

**Wiley Online Library**  
Full text access to a multidisciplinary collection of over 600 journals and books covering life, health and physical sciences, social science, and the humanities.
e-Books

A career as an agricultural economist: agricultural development and agribusiness.
Published: Chicago: Institute for Career Research, c2010.
E-book

A career in the dairy industry: on the farm, in the processing plant, in the lab/test kitchen, in the office.
Published: [Chicago, Ill.]: Institute for Career Research, c2009.
E-book

Author: Djurfeldt, Goran
E-book

The agrarian vision: sustainability and environmental ethics
Author: Paul B. Thompson. Author: Thompson, Paul B. 1951-
Published: Lexington, Ky.: University Press of Kentucky, c2010.
E-book

Coffee and community: Maya farmers and fair-trade markets
Author: Lyon, Sarah
Published: Boulder, Colo.: University Press of Colorado, c2011.
E-book

Crop chemophobia: will precaution kill the green revolution?
Jon Entine, editor.
E-book

Cultivating an ecological conscience: essays from a farmer philosopher
Author: Kirschenmann, Frederick L.
Published: Lexington, Ky.: University Press of Kentucky, c2010.
E-book
Cultivating food justice: race, class, and sustainability
Edited by Alison Hope Alkon and Julian Agyeman.
Published: Cambridge, Mass. : MIT Press, c2011.
E-book

Food in the 21st century: From science to sustainable agriculture
Author: Shah, M. M. (Mahendra M.)
E-book

Food justice
Author: Gottlieb, Robert 1944-
Published: Cambridge, Mass. : MIT Press, c2010.
E-book

Hybrid: The History and Science of Plant Breeding
Author: Kingsbury, Noel
E-book

Intelligent agrifood chains and networks
Edited by Michael Bourlakis, Ilias P. Vlachos, Vasileios Zeimpekis.
E-book

Starved for science: how biotechnology is being kept out of Africa
Author: Paarlberg, Robert L.
Published: Cambridge, Mass. : Harvard University Press, 2009
E-book

Vermiculture technology: earthworms, organic wastes, and environmental management
Edited by Clive A. Edwards, Norman Q. Arancon, Rhonda Sherman.
Published: Boca Raton, FL : CRC Press, c2011.
E-book

Print Books
Aerobiological engineering handbook: a guide to airborne disease control technologies
Wladyslaw Jan Kowalski. 

Ancestral appetites: food in prehistory
Kristen J. Gremillion.

The aqueous chemistry of the elements
George K. Schweitzer, Lester L. Pesterfield.

Library Resources in Support of the College of Agriculture and Food Sciences
Prepared by Jean Adams and Brenda Wright, February 2012
Beyond biotechnology: the barren promise of genetic engineering Craig Holdrege and Steve Talbott.  
Author: Holdrege, Craig 1953-  
QH442 .H63 2008

Biotechnological approaches for pest management and ecological sustainability Hari C. Sharma.  
Author: Sharma, H. C. (Hari Chand)  
Published: Boca Raton : CRC Press, c2009.  
SB950 .S43 2009

Earthworms, the soil managers: their role in restoration and improvement of soil fertility  
Authors: Rajiv K. Sinha ... [et al.].  
QL391.A6 E28 2010

Genetically engineered organisms, wildlife, and habitat: a workshop summary  
Paula Tarnapol Whitacre, rapporteur; Planning Committee for the Workshop on Research to Improve the Evaluation of the Impacts of Genetically Engineered Organisms on Terrestrial and Aquatic Wildlife and Habitats...  
QH442.6 .G469 2008

Molecular biotechnology: principles and applications of recombinant DNA  
Author: Glick, Bernard R.  
TP248.2 .G58 2010

Organic farming: the ecological system  
Charles Francis, editor.  
S605.5 .O668 2009

Organic farming: methods, economics and structure  
Michael Nelson and Ivan Artamova, editors.  
S605.5 .O74 2009

Using the agricultural, environmental, and food literature  
Edited by Barbara S. Hutchinson, Antoinette Paris Greider.  
Published: New York : Marcel Dekker, c2002.  
S494.5.A39 U75 2002