

**Animal Science 501 - Survey of Animal Disciplines**  
**Finding Animal Science Information at Parks Library**  
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**I. ISU Library Website** - <http://www.lib.iastate.edu/>; QuickStart Guide for New Graduate Students - <http://www.lib.iastate.edu/news-article/2025/100407>

**A. Animal Science Resources Guide** - [http://instr.iastate.libguides.com/animal\\_science](http://instr.iastate.libguides.com/animal_science)  
(Classes & Tours --> Instruction LibGuides --> Animal Science) Provides information and links to animal science resources. Suggestions welcome!

**B. Library catalog** - search for items owned by ISU (books, journals, DVDs, CDs, etc.)

- "My Account" - set up a library PIN number (<http://www.lib.iastate.edu/collections/borrrpinnumb.html>) to activate this feature. A PIN number is also required for off-campus access to electronic journals and databases.
- Advanced Search - To search for ISU theses and dissertations, limit search to ISU thesis, 1974 - present.

**C. Finding Journals** (Collections --> e-journals & e-books)

- If you have a complete citation and want to find out whether the Library has the journal, check the following:
  - E-journals list--search for name of journal using the complete title, not the abbreviation.
  - Library catalog--change search to "Serial Title"

**D. Online Request Forms** (Service Areas --> Request Forms)

- Interlibrary Loan - request books, journal articles, conference proceedings, etc. that ISU does not own. Fast and free!

**II. Major Electronic Resources** - (all are listed in the "Indexes & Abstracts" section of the Library's website and most are listed in the Animal Science Resources Guide)

**A. FoodnetBASE**

- **What:** Collection of food science **full-text** scientific handbooks published by CRC Press. There are currently **401** titles!!
  - Several titles under "Meats" -- Advanced Technologies for Meat Processing; Food Safety Control in the Poultry Industry; HACCP in the Meat Industry; Handbook of Muscle Food Analysis; Handbook of Processed Meats and Poultry Analysis; Improving the Safety of Fresh Meat; Lawrie's meat science, Seventh Edition; Meat Processing: Improving Quality; Meat products handbook: Practical science and technology; Meat Refrigeration; Meat Science and Applications; Microbiological Analysis of Red Meat, Poultry Meat Processing; Poultry Products

Processing: An Industry Guide; Poultry Meat Processing and Quality; Sausage Manufacture: Principles and Practice.

## B. Web of Knowledge

- **What:** The ISU subscription includes: Web of Science with Conference Proceedings, Biosis Previews, CAB Abstracts, and the Journal Citation Reports.

### 1. CAB Abstracts (stands for Commonwealth Agricultural Bureau)

- **What:** Comprehensive database that covers: agriculture; animal and veterinary sciences; human health, food and nutrition; microbiology and parasitology; plant sciences. It is the **most comprehensive** database for agriculture.
- Coverage: Covers over 9,000 journals, books and conference proceedings. Includes international publications.
- Dates: 1910 – present
- Search tips:
  - Use Boolean operators (and, or). Use quotation marks for phrases.
  - Consider alternate spellings (e.g. color or colour, behavior or behaviour).
  - Use the thesaurus to identify additional search terms and look at the descriptors/identifiers in the complete record. For example:
    - (pigmeat or pork) and “meat quality” retrieves 2925 records
    - pork and “meat quality” retrieves 2871 records

### 2. Web of Science

- What: Consists of the Science Citation Index Expanded (1900-present); Social Sciences Citation Index (1898-present); Arts & Humanities Citation Index (1975-present)
- Science Citation Index: Indexes over 7,100 major journals
- Publications are selected for inclusion in Web of Science based on the following criteria. For more information, visit:  
<http://scientific.thomson.com/knowtrend/essays/selectionofmaterial/journalselection/>  
(Note: Newer journals may/may not be included.)
- Searching the Web of Science
  - Topic searching or cited reference searching
  - Refine results allows you to narrow your results by a variety of ways.
  - Click on article title to view abstract. Note the links to: References, Related Records, and the journal's impact factor in the Journal Citation Reports.
  - Can "Analyze Results" and "Create Citation Report"
  - More information about cited reference searching - Cited Reference Searching Guide (<http://instr.iastate.libguides.com/citedrefs>) - by Lorrie Pellack
  - Can easily export records to Endnote.

### 3. BIOSIS Previews (1926 - present)

- Life sciences and biomedical research covering pre-clinical and experimental research, methods and instrumentation, animal studies, and more.
- Indexes journal articles, books, book chapters, patents, and meeting reports.

#### 4. Journal Citation Reports (1999 - 2008)

- Can search journals by subject category or search for a specific journal. (Subject categories: Agriculture, Dairy, Animal Science; Food Science & Technology; Genetics & Heredity)
- View impact factor and other performance metrics.

#### C. AGRICOLA

- **What:** Published by the National Agriculture Library
- Free version available: <http://agricola.nal.usda.gov/>, but strongly recommend searching AGRICOLA using the OVID interface via the Library's website.
- Indexes Extension publications from 1970 to the present.

#### D. Food Science & Technology Abstracts (FSTA)

- **What:** "world's leading database of information on food science, food technology and nutrition." Produced by the International Food Information Service (IFIS).
- Coverage: indexes journals, conference proceedings, patents, books.
- Dates: 1969 – present
- Search tips:
  - The keywords in FSTA are very different from the descriptors/identifiers used in CAB Abstracts. Use the thesaurus to identify terms.
  - Recommend using advanced search. To make search more precise, restrict search to keywords field.

#### E. PubMed

- Access via "Indexes & Abstracts" - choose PubMed - ISU Affiliate link. This has the "Get it@ISU" feature.
- **What:** indexes biomedical journals and other life science journals. If you're working in animal genetics, recommend searching PubMed.
- PubMed does index the following:
  - Journal of Food Protection, March 1996 – present
  - Journal of Food Science, 2007 – present
  - Journal of Animal Science, 1949 – present
  - Journal of Agricultural and Food Chemistry, 1970 – present
  - Journal of Food Protection, March 1996 – present
- MyNCBI Account - can save searches and receive email alerts

#### F. Google Scholar

- Access via "Indexes & Abstracts" for the "Get it@ISU" feature.
- Will not find the most current and up-to-date information in Google Scholar!!

#### G. Dissertations and Theses

- Indexes dissertations at United States and some foreign universities in all subject areas.
- For most Iowa State University Ph.D. dissertations published since 1916, citations and abstracts, a 24-page preview, and the option to download the full text are available.

(Note: You can also search the Library catalog for ISU Ph.D. dissertations and M.S. theses.)

**H. Scirus** <http://www.scirus.com/>

- What: science-specific search engine
- Coverage: reports, peer-reviewed journal articles, patents, pre-prints, extension publications, dissertations, other websites. Complete list of sources:  
<http://www.scirus.com/srsapp/aboutus/#range>