

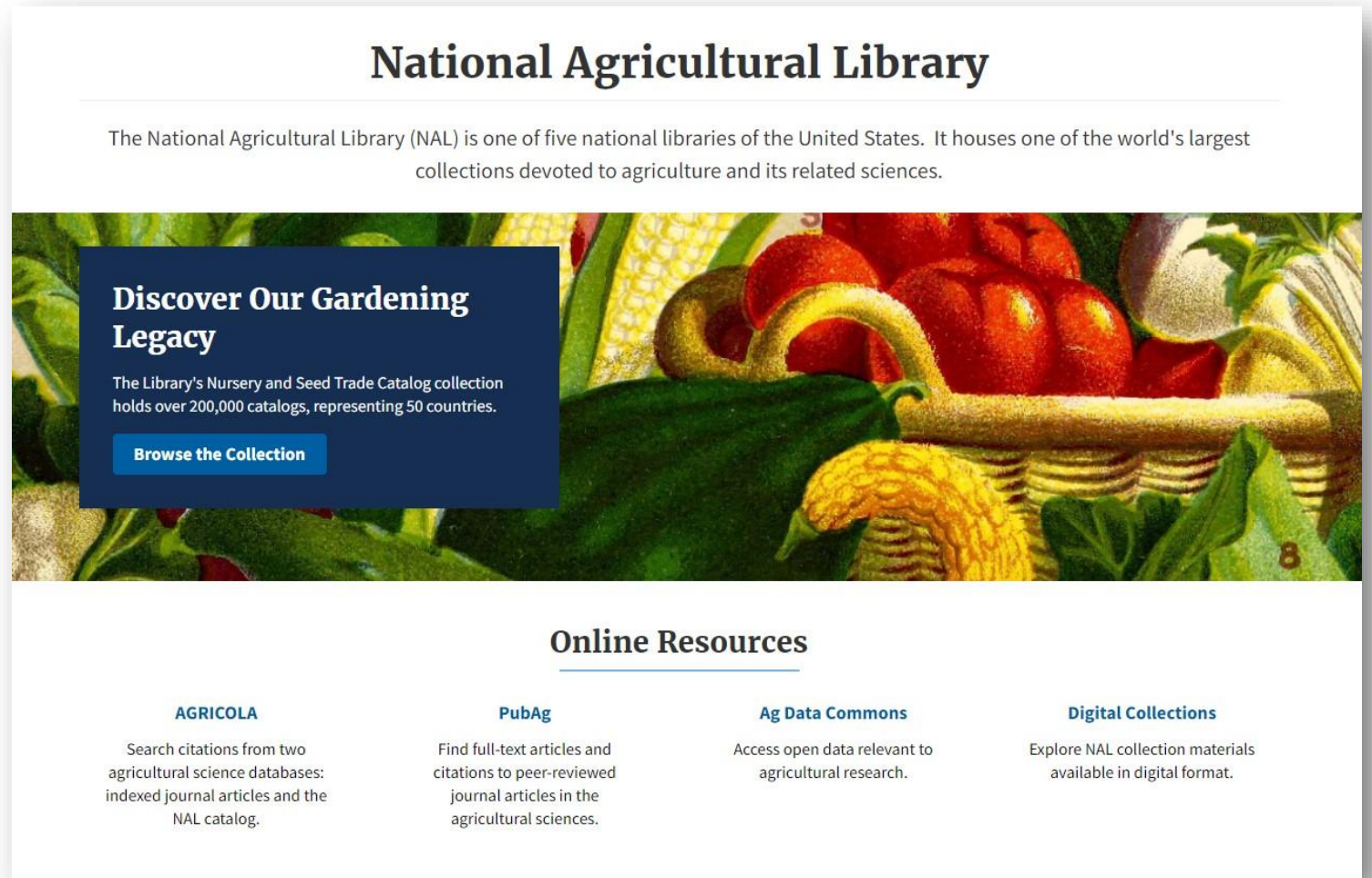


Supporting the Research Lifecycle with the National Agricultural Library

FDLP Academy
April 27, 2021

National Agricultural Library (NAL) Mission

NAL facilitates the creation of agricultural knowledge through the acquisition, curation, and dissemination of information needed to solve agricultural challenges.



National Agricultural Library

The National Agricultural Library (NAL) is one of five national libraries of the United States. It houses one of the world's largest collections devoted to agriculture and its related sciences.

Discover Our Gardening Legacy

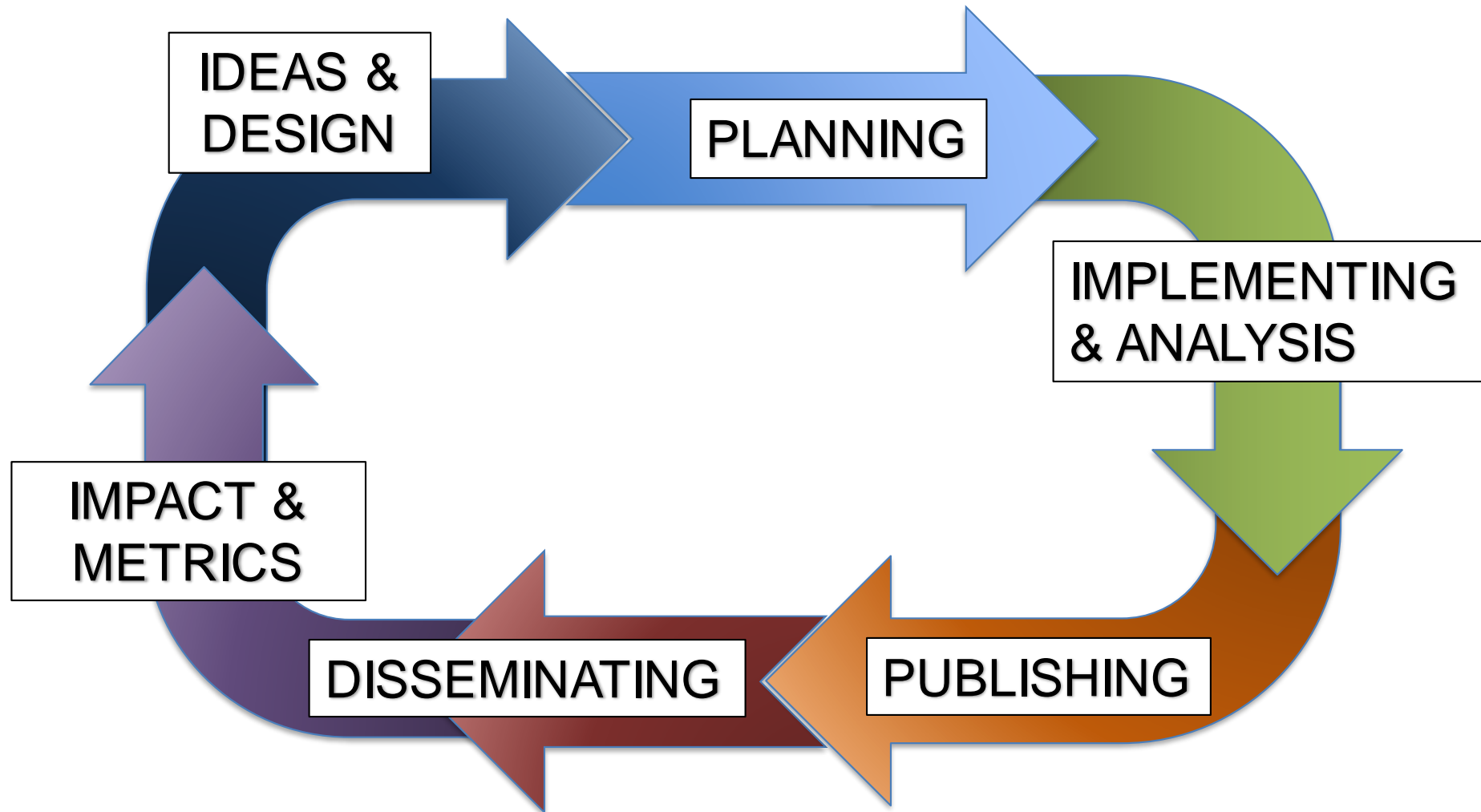
The Library's Nursery and Seed Trade Catalog collection holds over 200,000 catalogs, representing 50 countries.

[Browse the Collection](#)

Online Resources

AGRICOLA	PubAg	Ag Data Commons	Digital Collections
Search citations from two agricultural science databases: indexed journal articles and the NAL catalog.	Find full-text articles and citations to peer-reviewed journal articles in the agricultural sciences.	Access open data relevant to agricultural research.	Explore NAL collection materials available in digital format.

Research Lifecycle Support



Objectives

- Introduce publicly available research tools and services of the National Agricultural Library
- Learn how to use these tools and services to conduct and support research throughout each stage of the research lifecycle

Overview

- I. Research Idea Development
- II. Research Planning
- III. Conducting Research
- IV. Writing and Publishing
- V. Dissemination and Preservation



I. Research Idea Development

AGRICOLA

<https://agricola.nal.usda.gov>

AGRICOLA database comprehensively covers agricultural literature:

- 5,200,000+ records to as far back as the 15th century
- Print and Electronic Materials from the NAL Collection



AGRICOLA

USDA United States Department of Agriculture
National Agricultural Library

Search My Account

Basic Search

Database: NAL Article Citation Database, NAL Cataloging Database [Change](#)

Basic **Advanced**

Search:

Records per page: 10 records per page

Search Reset

Search Tips: enter words relating to your topic, use

USDA United States Department of Agriculture
National Agricultural Library

Search My Account

Log in to your account

Help

New Search : **Go** Search History

Titles 1 of 174 **Next** ▾

This item

- Brief Record**
- [MARC Record](#)
- [Full Record](#)

Actions

- [Onsite Request](#)
- [Print](#)
- [E-mail](#)
- [Export](#)

Login to Activate Document Delivery

African indigenous knowledge on edible insects to guide research and policy

Title: African indigenous knowledge on edible insects to guide research and policy

Author: [Niassy, S.](#)

Other Author(s): [Fiaboe, K.K.M.](#)
[Affognon, H.D.](#)
[Akutse, K.S.](#)
[Tanga, M.C.](#)
[Ekesi, S.](#)

Found in: Journal of insects as food and feed. 2016 June 15, v. 2, no. 3

Descriptions: p. 161-170.

Electronic Resource: [Available from publisher's site](#)

Holdings Information

Database: NAL Cataloging Database

Location: Electronic Resource (NON-CIRCULATING)

Call Number: GN409.5

Number of Items: 0

Search My Account Help

NAL Thesaurus

<https://agclass.nal.usda.gov>

- Contains over 265,000 terms, including 153,000+ descriptors in English and Spanish
- NAL Thesaurus includes hierarchical, equivalents and associate relationships among concepts
- NAL Thesaurus is used to select controlled vocabulary terms for subject indexing of AGRICOLA, PubAg and other databases



U.S. Department of Agriculture
Pomological Watercolor Collection.
Rare and Special Collections,
National Agricultural Library,
Beltsville, MD 20705

PubAg

<https://pubag.nal.usda.gov>

PubAg is a free, searchable database containing links to:

- 300,000+ full-text articles* relevant to the agricultural sciences
- indexed citations to peer-reviewed journal articles in the agricultural sciences



[Home](#) [FAQ](#) [PubAg API](#) [Contact Us](#) [Search History](#)

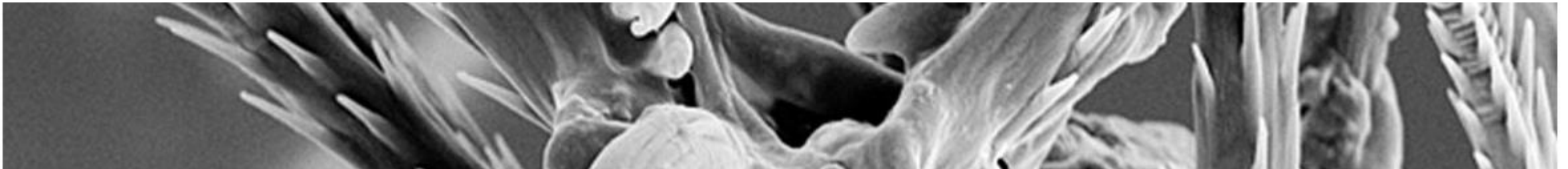
All Fields ▾

To search a phrase, use quotes (e.g., "winter wheat")

Search 🔍

[Advanced Search](#)

Selections (0) ▾



PubAg

All Fields ▾

To search a phrase, use quotes (e.g., "winter wheat")

Search 

[Advanced Search](#)

Selections (0) ▾

Determination of 7 α -OH cholesterol by LC-MS/MS: Application in assessing the activity of CYP7A1 in cholestatic minipigs

Author: Yun, Changhong, Yin, Taijun, Shatzer, Katherine, Burrin, Douglas G., Cui, Liwei, Tu, Yifan, Hu, Ming

Source: Journal of chromatography 2016 v.1025 pp. 76-82

ISSN: 1570-0232

Subject: acetonitrile, cholesterol, chromatography, formic acid, liver, liver microsomes, miniature swine

Abstract: An LC-MS/MS method was developed and validated to determine 7 α -OH cholesterol in liver microsome. This method was convenient and fast with high specificity and sensitivity. Briefly, a gradient elution was performed on a Synergi polar-C18 column (50 \times 4.6mm i.d., 3 μ m). The mobile phase (consisting of 0.1% HCOOH solution and acetonitrile) eluted in gradient at a flow rate of 1ml/min. MS detection was operated on APCI (+) mode; the MRM transitions for 7 α -OH cholesterol and D7-cholesterol (I.S.) were 385.1 \geq 159.1 and 376.4 \geq 266.3, respectively. The linear response range of 7 α -OH cholesterol was covered from 1.563 to 100.0ng/ml. All of the validation items meet the requirement of FDA guidance for bioanalytical method validation. This method was applied to enzymatic studies for determination of cholesterol 7 α -hydroxylation activity catalyzed by CYP7A1 in the cholestatic minipigs liver microsomes.

Agid: 62878

Handle: 10113/62878

Access Full Text

 [PMCID:](#) PMC5358015

Citation Metrics

  Citations { 7 }

Links

 DOI:
10.1016/j.jchromb.2016.05.005

 PubMed: 27218859

Actions on this item

Select

Email

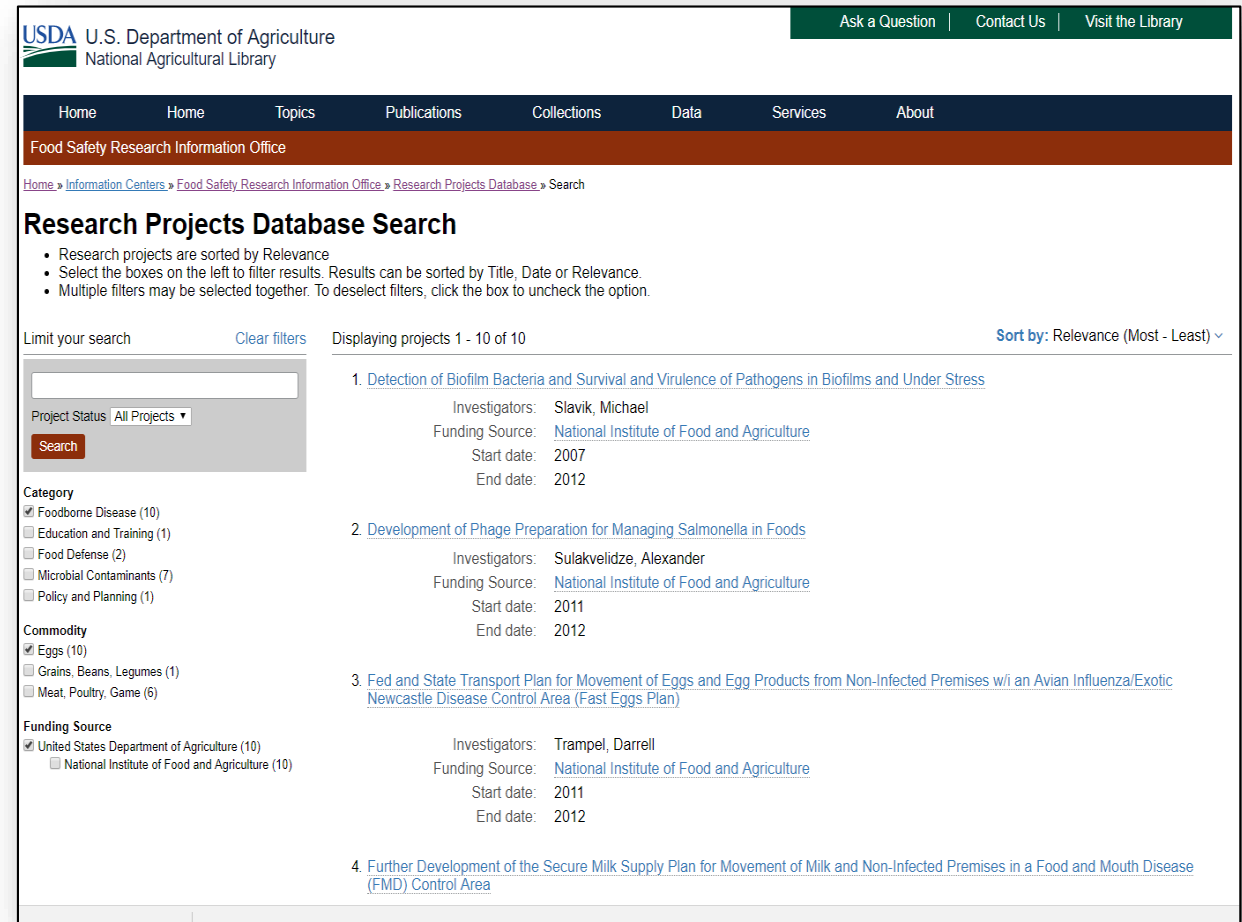
PubAg Links to USDA-funded Publications

- Free public access to the best available full-text version of USDA-funded scholarly publications
- Access to full text will occur after at least a 12-month administrative interval.
- Access will be provided earlier when the publisher makes a full-text version available for free

Food Safety Research Projects Database

- Browse food safety categories, commodities, and funding sources from the homepage.
- Dynamic filtering in advance search allows you to choose any combination of categories, food types, and funding agencies.
- Features that allows you to sort by relevance, date, or title.

Learn more at: <https://www.nal.usda.gov/fsrio/research-projects>



The screenshot shows the USDA National Agricultural Library website's search interface for the Food Safety Research Information Office. The page title is "Research Projects Database Search". It includes a search bar, a "Project Status" dropdown menu set to "All Projects", and a "Search" button. Below the search bar, there are filter sections for "Category", "Commodity", and "Funding Source". The "Category" section has checkboxes for "Foodborne Disease (10)", "Education and Training (1)", "Food Defense (2)", "Microbial Contaminants (7)", and "Policy and Planning (1)". The "Commodity" section has checkboxes for "Eggs (10)", "Grains, Beans, Legumes (1)", and "Meat, Poultry, Game (6)". The "Funding Source" section has checkboxes for "United States Department of Agriculture (10)" and "National Institute of Food and Agriculture (10)". The search results are displayed in a list format, showing the first four projects. Each project entry includes the project title, investigators, funding source, start date, and end date. The results are sorted by relevance, as indicated by the "Sort by: Relevance (Most - Least)" dropdown menu.

USDA U.S. Department of Agriculture
National Agricultural Library

Ask a Question | Contact Us | Visit the Library

Home Home Topics Publications Collections Data Services About

Food Safety Research Information Office

Home » Information Centers » Food Safety Research Information Office » Research Projects Database » Search

Research Projects Database Search

- Research projects are sorted by Relevance
- Select the boxes on the left to filter results. Results can be sorted by Title, Date or Relevance.
- Multiple filters may be selected together. To deselect filters, click the box to uncheck the option.

Limit your search [Clear filters](#) Displaying projects 1 - 10 of 10 [Sort by: Relevance \(Most - Least\) v](#)

Project Status: All Projects

Category

- Foodborne Disease (10)
- Education and Training (1)
- Food Defense (2)
- Microbial Contaminants (7)
- Policy and Planning (1)

Commodity

- Eggs (10)
- Grains, Beans, Legumes (1)
- Meat, Poultry, Game (6)

Funding Source

- United States Department of Agriculture (10)
- National Institute of Food and Agriculture (10)

- [1. Detection of Biofilm Bacteria and Survival and Virulence of Pathogens in Biofilms and Under Stress](#)
Investigators: Slavik, Michael
Funding Source: [National Institute of Food and Agriculture](#)
Start date: 2007
End date: 2012
- [2. Development of Phage Preparation for Managing Salmonella in Foods](#)
Investigators: Sulakvelidze, Alexander
Funding Source: [National Institute of Food and Agriculture](#)
Start date: 2011
End date: 2012
- [3. Fed and State Transport Plan for Movement of Eggs and Egg Products from Non-Infected Premises w/i an Avian Influenza/Exotic Newcastle Disease Control Area \(Fast Eggs Plan\)](#)
Investigators: Trampel, Darrell
Funding Source: [National Institute of Food and Agriculture](#)
Start date: 2011
End date: 2012
- [4. Further Development of the Secure Milk Supply Plan for Movement of Milk and Non-Infected Premises in a Food and Mouth Disease \(FMD\) Control Area](#)

FSRIO Research Publications Feed



Research Publications from Peer-Reviewed Journals

The Research Publications track research that is published across national and international peer-reviewed journals. The most recent articles are available ahead of print and searchable by Journal Title, Subject, USDA Grant Funding Agencies or FDA Grant Funding Agencies. The research publications are tracked across five subject areas: Bacterial Pathogens, Chemical Contaminants, Natural Toxins, Parasites, and Viruses.

Search

Search

Quick Links

- [> Browse by journal](#)
- [> Browse by subject](#)
- [> See USDA articles](#)
- [> See FDA articles](#)

Results

[Emergence of Transferable mcr-9 Gene-Carrying Colistin-Resistant Salmonella enterica Dessau ST14 Isolated from Retail Chicken Meat in Korea](#)

Tue, 08/25/2020 - 08:03

[Foodborne Pathogens and Disease](#)

Colistin is an important antibiotic currently used to manage infections caused by multidrug-resistant pathogens in both humans and livestock animals. A new mobile colistin-resistance (mcr-9) gene was recently discovered; this discovery highlighted the need for rigorous monitoring of bacterial resistance against colistin. Salmonella is one of the major pathogens responsible for foodborne illnesses...

[Effects of Smoking Temperature, Smoking Time, and Type of Wood Sawdust on Polycyclic Aromatic Hydrocarbon Accumulation Levels in Directly Smoked Pork Sausages](#)

Tue, 08/25/2020 - 04:02

[Journal of Agricultural and Food Chemistry](#)

- Provides ready access to the latest food safety research publications, including ahead of print.
- Currently tracks 200+ journals
- Publications generated by these feeds are grouped by:
 - ✓ Journal
 - ✓ Subject

Learn more at:

<https://www.nal.usda.gov/fsrio/research/publications>

Animal Welfare Literature Review Training

Meeting the Information Requirements of the Animal Welfare Act

This in-person workshop is intended for the regulated community (any personnel working with animals in research, testing, or education) and is typically held at the National Agricultural Library (NAL) in Beltsville, Maryland. However, due to COVID-19, AWIC is offering this workshop through a virtual platform.

About the Workshop

The regulations of the [AWA](#) require that investigators provide Institutional Animal Care and Use Committees (IACUCs) with documentation demonstrating that alternatives to procedures that may cause more than momentary pain or distress to the animals have been considered and that activities do not unnecessarily duplicate previous experiments. A thorough literature search regarding alternatives meets this Federal mandate. An alternative is any procedure which results in the reduction in the numbers of animals used, refinement of techniques, or replacement of animals.



Real-Time Workshop

To Register: <http://bit.ly/3dkQpzk>

Self-Paced AWIC Workshop

To Register:
<http://bit.ly/2ZLkAtd>



Online Animal Welfare Workshop

This online version of the workshop provides an interactive environment where participants can learn about conducting literature searches, the history of animal welfare law and the specific responsibilities of researchers and IACUCs.

Combining the expertise of the AWIC staff and the flexibility of self-paced learning, the online workshop meets the needs of researchers, librarians and IACUC members nationwide.

What You'll Cover

- A historical overview of the Animal Welfare Act (AWA), and regulations
- What is meant by the Information requirements of the Animal Welfare Act (AWA).
- 3Rs Alternatives of Reduction, Refinement, and Replacement
- Databases and resources available to access scientific literature
- A systematic approach to accessing information and creating effective literature search strategies.

Customizable Trainings

Freely provided upon
request

Information Requirements of the AWA

History of the Animal Welfare Act

3Rs Alternatives/Resources

Conducting a Literature Search

Animal Welfare Information Center (AWIC)



II. Research Planning

Data Management Challenges

People (Researchers)

- Not trained in data management
- Don't think about long-term preservation
- Career demands to produce papers outweigh managing data
- Great need for effective collaboration tools (with controls)
- Few researchers know about services offered by libraries

<https://www.clir.org/pubs/reports/pub154/problem-of-data/>

7 Greatest Causes of Data Loss

(+media degradation over time)

- Deleting files accidentally
- Viruses and damaging malware
- Hardware crashes
- Power failures
- Computer theft
- Spilling coffee/water other damaging fluids

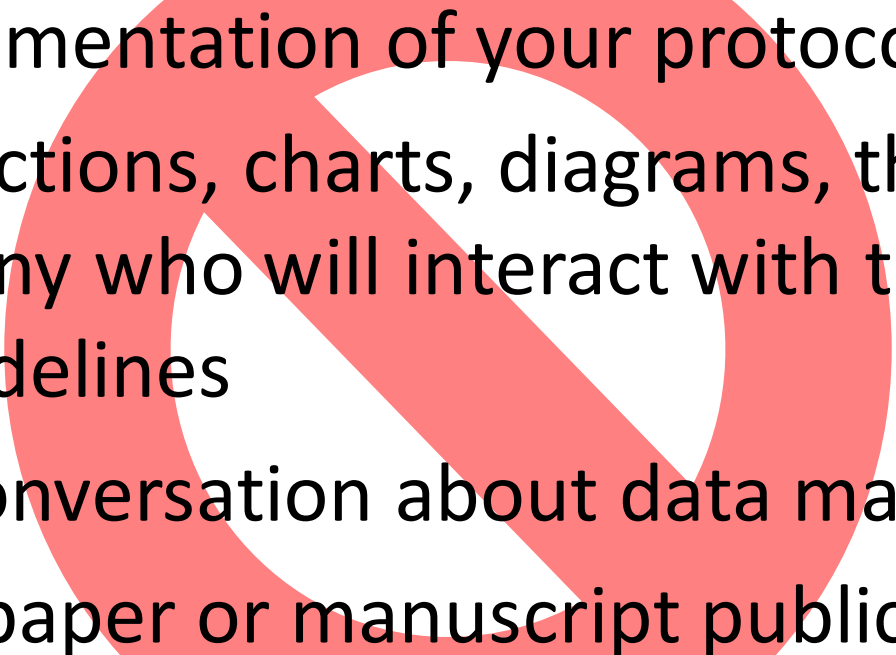
https://www.databackuponlinestorage.com/7_Causes_of_Data_Loss

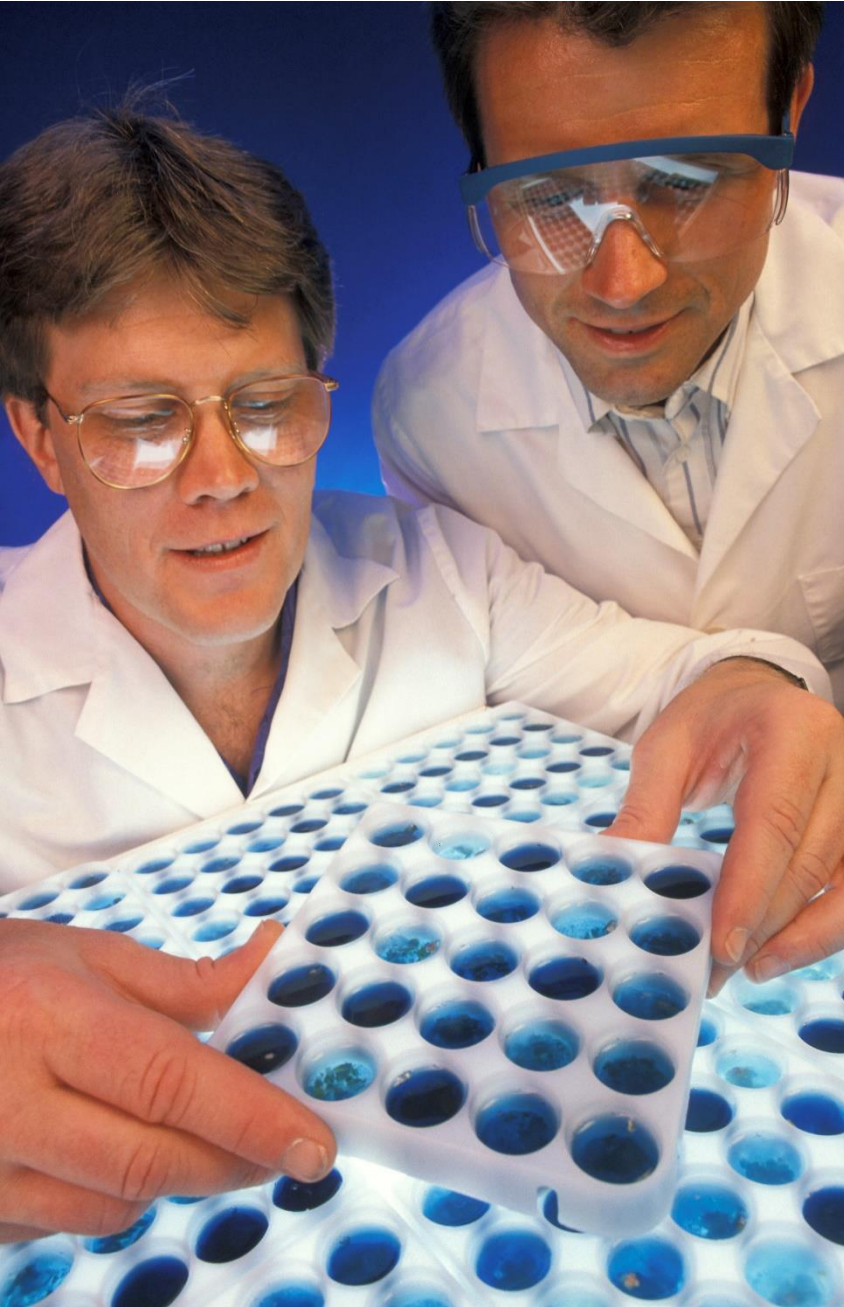


What is a Data Management Plan?

- A guideline for the life cycle of your data
- A brief outline
 - Who
 - What
 - When
 - Where
 - How
- Easy to understand

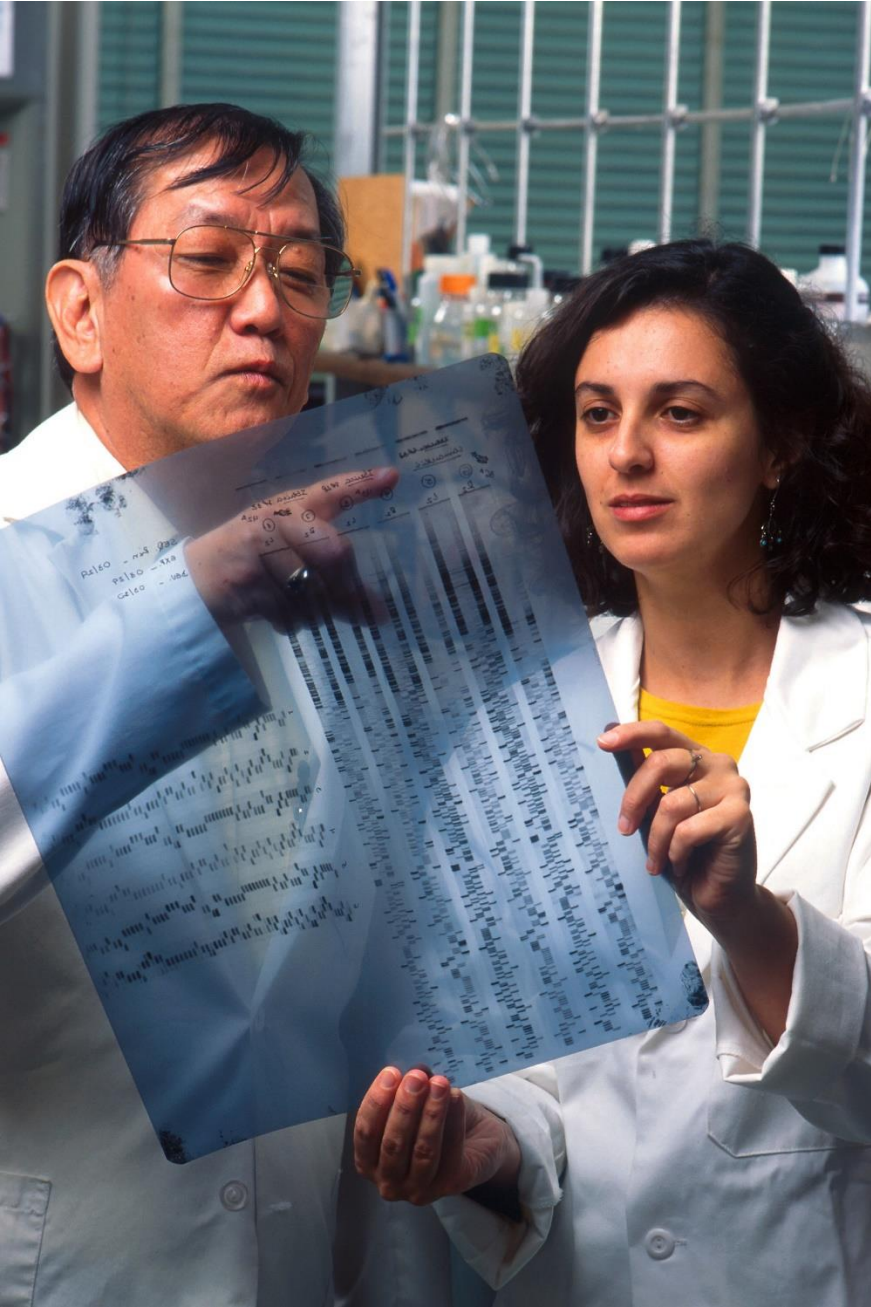
A Data Management Plan is NOT...

- 
- An in-depth documentation of your protocol
 - Workflows instructions, charts, diagrams, the names of every person or company who will interact with the project, or in-depth review guidelines
 - The end of the conversation about data management
 - Concerned with paper or manuscript publication



Why Create a DMP?

- Proper management of data
 - The FAIR data principles
 - Findable
 - Accessible
 - Interoperable
 - Reusable
- Follow the US Federal public access and open data directives
- Funding agency requirements



Data Management Plan Overview

1. Expected data types
2. Data formats and standards
3. Data storage and preservation of access
4. Data sharing and public access
5. Roles and responsibilities
6. Monitoring and reporting



DMP Consultations

- NAL will review DMP drafts (subject to capacity and priorities)
 - Send DMP draft and Project Summary draft to agref@usda.gov
 - We will provide review and propose improvements for DMPs
 - Requirements: at least 5 business days
- Exceptional DMP example: <https://www.nal.usda.gov/main/data/data-management-plan-guidance>



III. Conducting Research

Domain Specific Data Applications

<https://www.nal.usda.gov/main/data>

NAL provides an integrated portfolio of data products that support ARS and external agricultural research communities



Federal Life Cycle Assessment (LCA) Commons

An interagency data portal and community of practice for research methods



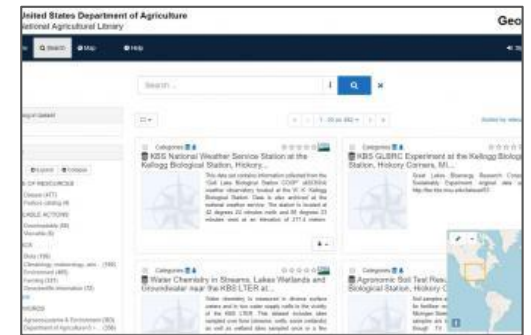
i5K Workspace

A workbench for arthropod genome communities to curate, visualize and share data.



FoodData Central

Nutrient profile data and links to related agricultural and experimental research.



Geodata @ NAL

A catalog of location-based agricultural research data, imagery, and more.

FoodData Central

FoodData Central

Search FoodData Central:



[Download Data](#)



[Get an API Key](#)



[API Guide](#)

NAL Collections

- Houses one of the world's largest collections devoted to agriculture and its related sciences, with both physical and digital collections
- One of five U.S. National Libraries
- Congressionally designated depository for U.S. Government documents
- Departmental library for USDA



Research from NAL Collections

About the Farm, Field and Fireside Collection

Together with the introduction of rural mail delivery, the telephone, and the automobile, farm newspapers played a key role in the modernization of rural life. Historically significant U.S. farm weeklies and titles document a time of transition in American history. [Back.](#)

Titles Currently Available:

- **Banker Farmer** 1 December 1913 - 1 February 1914
- **Berkshire World and Cornbelt Stockman** 1 January 1913 - 1 March 1925
- **Better Farming** 1 May 1913 - 1 March 1925
- **Chicago Livestock World** 1 January 1902 - 1 January 1906
- **Chicago Packer** 13 April 1907 - 17 June 1907
- **Daily National Live Stock Reporter** 1 December 1906 - 1 December 1906
- **Farm, Field, and Fireside** 1 February 1884 - 1 February 1884
- **Farm, Field, and Stockman** 1 January 1885 - 1 January 1885
- **Farm Home** 1 August 1899 - 1 June 1920
- **Farm Press** 1 October 1906 - 1 April 1913
- **Farmers Gazette** 1 December 1883 - 1 December 1883
- **Farmers' Review** 1 September 1879 - 25 May 1879
- **Farmers Voice** 1 January 1898 - 15 May 1900
- **Farmers' Weekly Review** 24 April 1929 - 31 April 1929
- **Farmer's Wife** 1 January 1906 - 1 April 1906
- **Illinois Farmer** 1 January 1856 - 1 October 1856
- **Lancaster Farming** 4 November 1955 - 29 November 1955
- **Lee County Farm News** 6 June 1922 - 19 December 1922

[Home](#) [About the tool](#) [Key](#) [Fact sheets](#) [Glossary](#) [Gallery](#)

Microlepidoptera on Solanaceae

About the tool

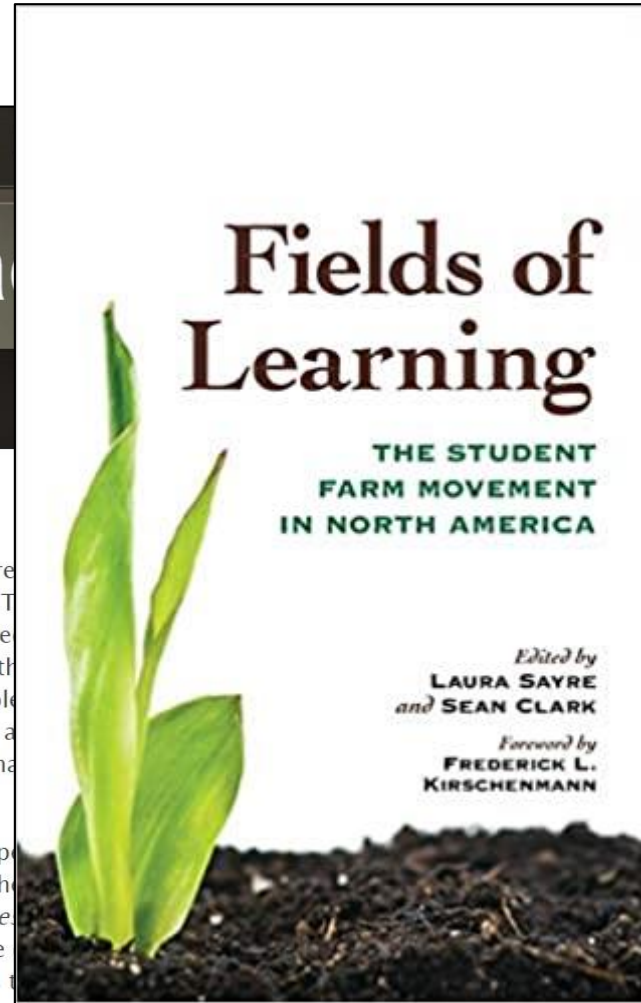
- › Introduction
- › Scope
- › About microlepidoptera
- › Specimen preparation
- › Using the key
- › Authors
- › Acknowledgements
- › References
- › Copyright, citation, disclaimers

About microlepidoptera



"Microlepidoptera" informally refer to about half of the Lepidoptera. The "microleps" have larvae that feed within their host plant, rather than on the surface. This fact makes microlepidoptera important for plant inspection and control because concealed larvae are hard to eliminate.

In this tool, we focus on two species-rich genera of the tribe Gnorimoschini (Gelechiidae) and the *Leucinodea* (Pyraloidea: Crambidae). These two groups have the largest radiations of microleps on Solanaceae, with a disproportionately great number of economically important species. The few other Solanaceae-specialist microleps in other families are not covered. These



Special Collections

<https://specialcollections.nal.usda.gov>



Preserving USDA and Agricultural History

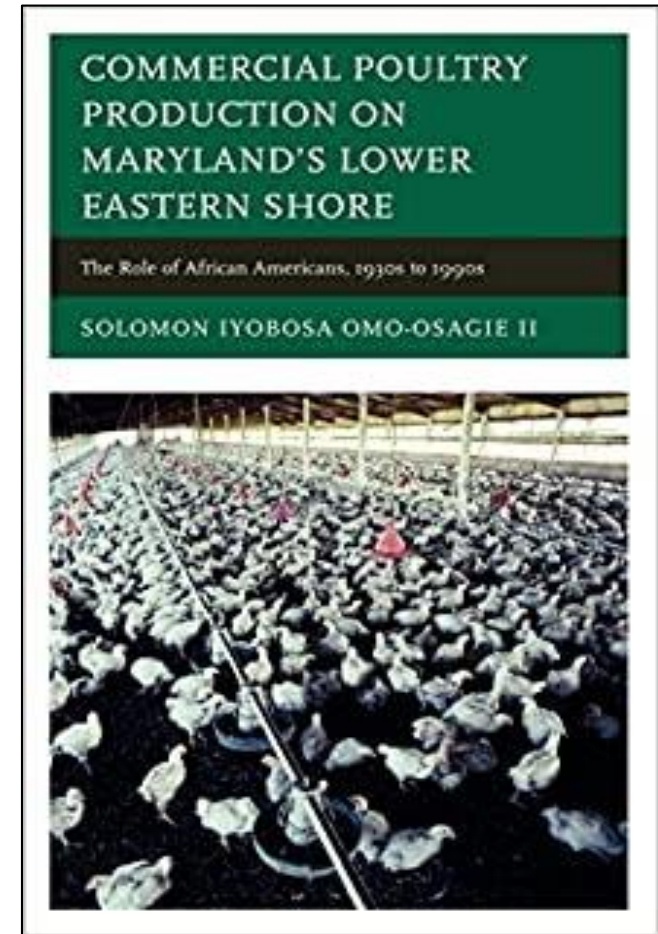
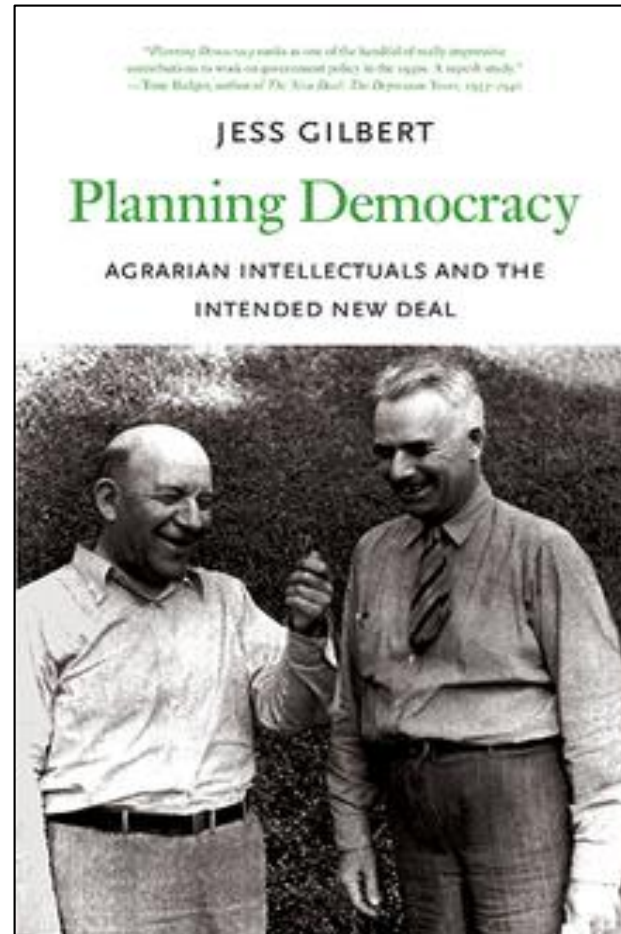
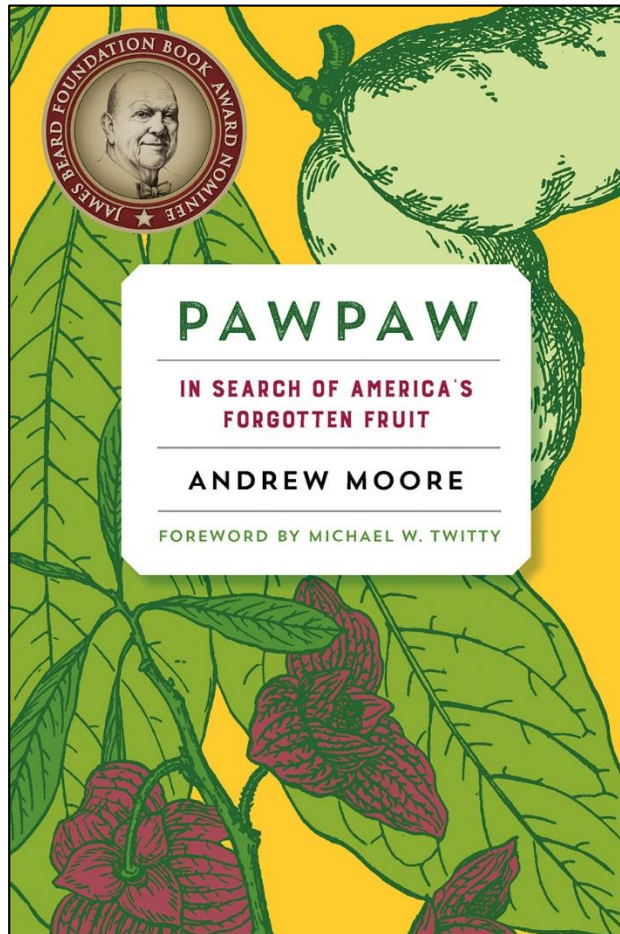
The Library houses rare books, manuscript collections, nursery and seed trade catalogs, photographs, and posters related to the history of agriculture.

[Search the Manuscript Collections](#)

Collections include the:

- records and archives of organizations,
- personal papers of individuals,
- rare books, correspondence, objects, photographs, posters, films, and other unique materials

Special Collections Research





IV. Writing and Publishing

Record Exports and Citation

- Several NAL Databases include record export in common formats

The screenshot shows the USDA PubAg website interface. The main content area displays the following information for a record:

Title: Determination of 7 α -OH cholesterol by LC-MS/MS: Application in assessing the activity of CYP7A1 in cholestatic minipigs

Author: Yun, Changhong, Yin, Taijun, Shatzer, Katherine, Burrin, Douglas G., Cui, Liwei, Tu, Yifan, Hu, Ming

Source: Journal of chromatography 2016 v.1025 pp. 76-82

ISSN: 1570-0232

Subject: acetonitrile, cholesterol, chromatography, formic acid, liver, liver microsomes, miniature swine

Abstract: An LC-MS/MS method was developed and validated to determine 7 α -OH cholesterol in liver microsome. This method was convenient and fast with high specificity and sensitivity. Briefly, a gradient elution was performed on a Synergi polar-C18 column (50 \times 4.6mm i.d., 3 μ m). The mobile phase (consisting of 0.1% HCOOH solution and acetonitrile) eluted in gradient at a flow rate of 1ml/min. MS detection was operated on APCI (+) mode; the MRM transitions for 7 α -OH cholesterol and D7-cholesterol (I.S.) were 385.1 \geq 159.1 and 376.1 \geq 159.1. The requirement of FDA guidance for bioanalytical method validation for enzymatic studies for determination of cholesterol in liver microsome. CYP7A1 in the cholestatic minipigs liver microsome.

Agid: 62878
Handle: 10113/62878

On the right side, there are sections for 'Access Full Text' (PMCID: PMC5358015), 'Citation Metrics' (Citations: 7), and 'Links' (DOI: 10.1016/j.jchromb.2016.05.005, PubMed: 27218859).

The 'Actions on this item' menu is highlighted with a red rounded rectangle and contains the following options:

- Select
- Email
- “Cite”
- Find in a library
- Download RIS File
- Export to Zotero
- Export to EndNote

Copyright and Citation

<https://specialcollections.nal.usda.gov/copyright-and-citation-guide>

Information
about
image reuse and
manuscript
collection
attribution

Citation Examples

Everything for the Garden. New York: Peter Henderson and Co., 1917. Henry G. Gilbert Nursery and Seed Trade Catalog Collection. Special Collections, National Agricultural Library.

Farm Security Administration Labor Camps in Arizona. Map, undated. Documentary Files 1914-1939, USDA History Collection. Special Collections, National Agricultural Library.

Heiges, Bertha. "*Collins*" Apple. Watercolor, 1898. USDA Pomological Watercolor Collection. Special Collections, National Agricultural Library.

Sapp, Roy. *U.S. Department of Agriculture, 12th and 14th Streets, Independence Avenue and C Street as Taken from Top of Washington Monument*. Photograph, circa 1950. USDA History Collection. Special Collections, National Agricultural Library.

Smith, E. D. "Anemone stellata." In *The British Flower Garden*, vol. II, by Robert Sweet, color plate 112. London: Simpkin and Marshall, 1825-1827. Rare Book Collection. Special Collections, National Agricultural Library.

Hint: Scientific names (genus, species, and subspecies) of plants and animals are usually set in italics. The genus name is capitalized and the species name is in lower case. Plant variety names are placed in quotation marks, e.g., "Red Delicious" apple.



V. Dissemination and Preservation

Disseminating and Preserving Research

PubAg

- Public access to USDA funded research publications

Ag Data Commons

- Public access to research data

PubAg Submissions (USDA-funded but outside of USDA)

- Send an accepted manuscript to NAL-PubAg-Curator@usda.gov
- Include a DOI with submission

The screenshot shows the USDA PubAg search interface. At the top, there is a navigation bar with links for Home, FAQ, PubAg API, Contact Us, and Search History. Below this is a search bar with a dropdown menu for 'All Fields', a search input field with a placeholder 'To search a phrase, use quotes (e.g., "winter wheat")', a 'Search' button, and an 'Advanced Search' link. To the right of the search bar is a 'Selections (0)' dropdown.

Below the search bar, there are 'More Search Options' and a 'Start over' link. The main search area is titled 'Find items that match all of' with a dropdown menu set to 'all'. There are five input fields for search criteria: 'All Fields', 'Title', 'Author', 'Subject', and 'Journal'.

At the bottom, there is a section titled 'AND have these attributes' with a dropdown menu for 'Text Availability'. This section is highlighted with a red box. It contains two options: 'Citation in PubAg' with 2,954,873 results and 'Full Text' with 309,835 results. The 'Full Text' option is selected with a blue checkmark.

On the right side of the search area, there is a 'Search tips' box with the following instructions:

- Select "match all" to retrieve records that contain all of your search terms.
- Select "match any" to retrieve records that any of your search terms.
- Combine keywords and attributes to find specific items.
- Use quotation marks to search as a phrase.
- Use "+" before a term to make it required. (Otherwise results matching only some of your terms may be included).
- Use "-" before a word or phrase to exclude.
- Use "OR", "AND", and "NOT" to create complex boolean logic. You can use parentheses in your complex expressions.
- Truncation and wildcards are not supported - word-stemming is done automatically.

What is an Accepted Manuscript?

- The version of the article that has been accepted for publication and includes all modifications resulting from the peer-review process, which is also called the final peer-reviewed accepted manuscript.
- It is the same content as the published version but does not include the publisher's copyediting, stylistic or formatting edits that will constitute the final "version of record" that appears in a scholarly journal.

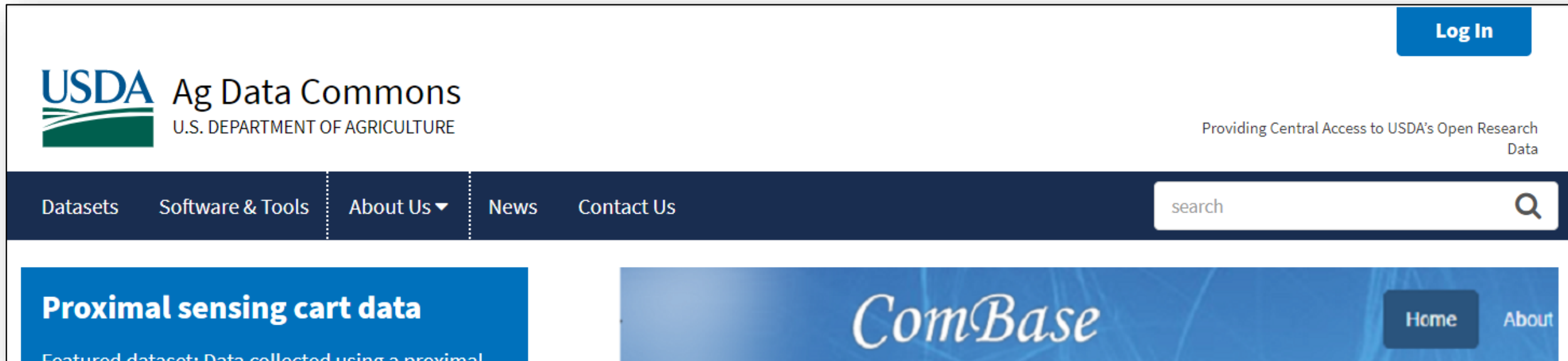
What is a Final Published Article?

- The final published article, including copyediting, stylistic edits, and formatting changes per a specific journal publisher. It is considered the "version of record" (VoR) because of potential post-publication updates such as errata, retractions, or other changes.
- When a publisher provides free access to the VoR, this is considered the "best available version," and PubAg will link to it.

Ag Data Commons

<https://data.nal.usda.gov>

- Catalog & data repository for USDA-funded data
- Services to create, curate, and enable access to machine-readable scientific metadata (FAIR data)



The screenshot shows the top navigation bar of the Ag Data Commons website. On the left is the USDA logo and the text "Ag Data Commons U.S. DEPARTMENT OF AGRICULTURE". On the right is a blue "Log In" button. Below the logo is the tagline "Providing Central Access to USDA's Open Research Data". The main navigation menu includes "Datasets", "Software & Tools", "About Us" (with a dropdown arrow), "News", and "Contact Us". A search bar with a magnifying glass icon is on the right. Below the navigation is a featured dataset banner for "Proximal sensing cart data" and a "ComBase" banner with "Home" and "About" buttons.

Ag Data Commons Submissions

Ag Data Commons Data Submission Manual

This submission manual provides practical information for contributors to the Ag Data Commons data repository and catalog. For further help with using the Ag Data Commons watch the [Ag Data Commons User Instruction Series](#) on the National Agricultural Library's YouTube channel. These video tutorials review much of the submission manual content. While videos may look different from the current site, the core function remains similar. We recommend searching the online submission form using a Control/F (PC) or Command/F (Mac) function to find fields listed in the submission manual.

Choose from the following sections to go straight to that information:

[Quick start guide](#)

[Register for an Ag Data Commons account](#)

[Organize data](#)

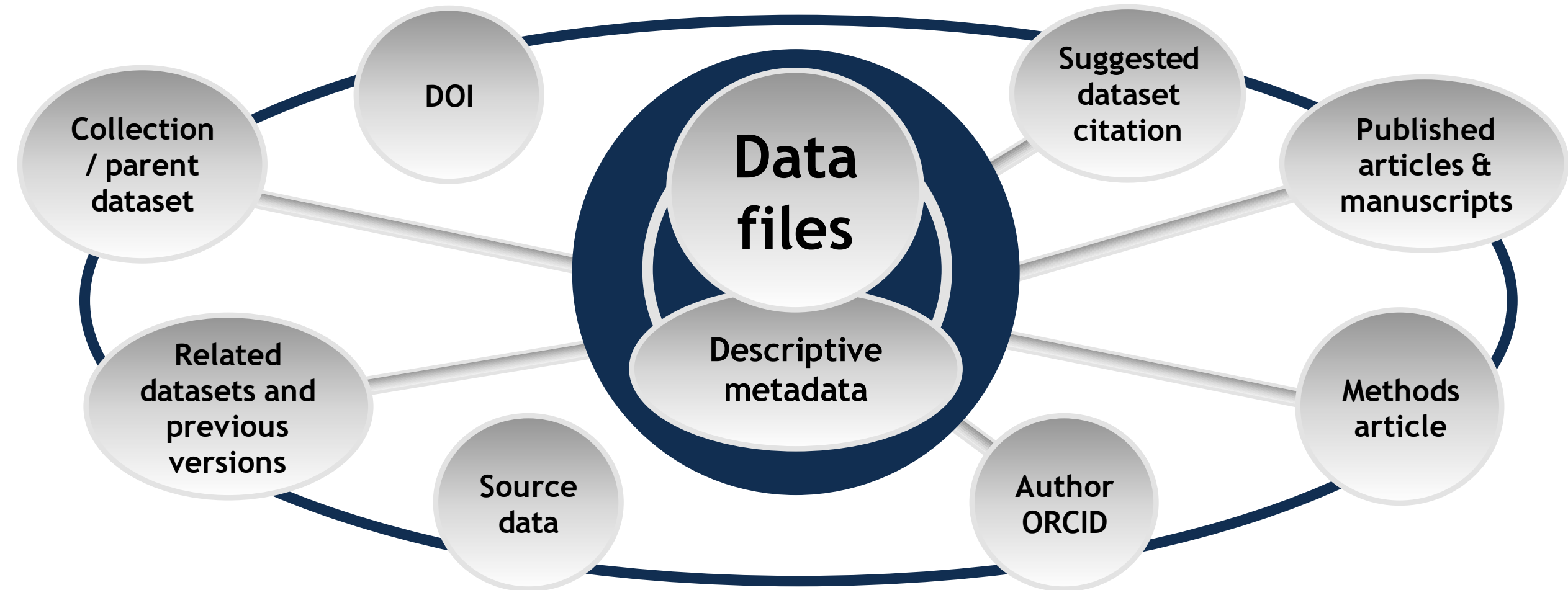
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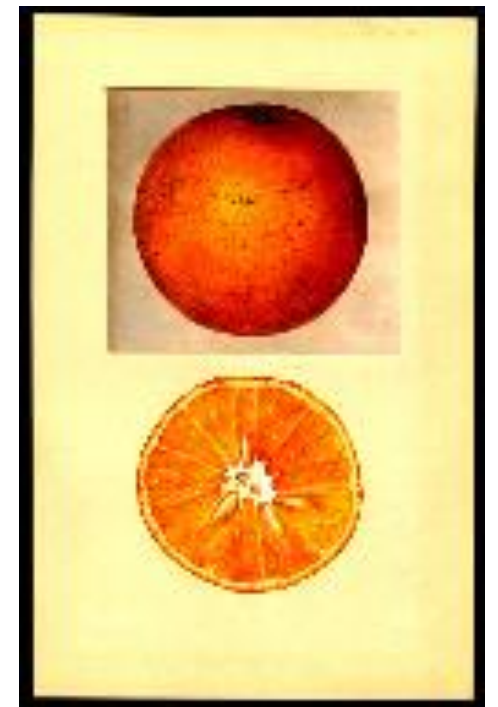


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