

Agricultural Sciences

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Dictionaries, encyclopedias and other sources, like the ones listed here, are good starting points for background or other information on subjects.

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OPAC allows access to books acquired by the Library. Enter keywords to find books.

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VI. Light reading: Scientific journals and magazines for light reading.

Here are lighter scientific journals and magazines.

VII. Newspaper Articles

For current events, try searching newspapers.

VIII. Find Journal and Magazine articles

In addition to scholarly journals, popular journals also provide special issues on certain topics. Journal articles provide information on research, social issues and general areas of interest of a topic. There are also databases for scholarly journals.

[Purpose & Description]

This course introduces selected topics of history, basic knowledge and advanced research in agricultural sciences with emphasis on ongoing problems in environments, agriculture and food production.

The course consists of lectures and discussion. Students are expected to join in lively discussion, and to have interaction between international and Japanese students.

[Schedule]

10/7	Introduction
10/14	International cooperation
10/21	Group discussion
10/28	
11/4	Basic reproductive endocrinology
11/11	Molecular insect sciences
11/18	Current trend in crop production in Japan
11/25	Genetically modified crops

12/2	Genetically modified crops
12/9	Enzyme engineering
12/16	Enzyme engineering
1/13	Ecology of irrigated rice fields
1/20	Ecology of irrigated rice fields
1/27	

キーワード

molecular insect science
international cooperation
irrigated rice
basic reproductive endocrinology
GM crops
enzyme engineering

1. Definitions and summaries : Reference books suitable for basic search.

Dictionaries, encyclopedias and other sources, like the ones listed here, are good starting points for background or other information on subjects.

You can search reference books via the internet (e-books / database)

Internet searchable reference books are here (Available on campus.)

They might help you, but don't copy and paste anything into your report.

[WARNING] Please use these electronic resources for individual, noncommercial use, without systematically downloading.



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タイ
トル Gale Encyclopedia of Science

著者
名 K. Lee Lerner & Brenda Wilmoth Lerner, editors

リン
ク先 http://find.galegroup.com/gvrl/aboutEbook.do?prodId=GVRL&userGroupName=unagoya&actionString=DO_DISPLAY_ABOUT_PAGE&eisbn=9781414428840&searchType=PublicationSearchForm

URL
ひと
こと
紹介 Brief Description: Covers all major areas of science, engineering, technology, as well as mathematics and the medical and health sciences, while providing a comprehensive overview of current scientific knowledge and technology. Entries typically describe scientific concepts, provide overviews of scientific areas and, in some cases, define terms.(Reprinted from Gale Virtual Reference Library.)
<<LOG OUT WHEN DONE>>



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タイ
トル World of Earth Science

著者
名 K. Lee Lerner and Brenda Wilmoth Lerner, editors

リン
ク先 http://find.galegroup.com/gvrl/aboutEbook.do?prodId=GVRL&userGroupName=unagoya&actionString=DO_DISPLAY_ABOUT_PAGE&eisbn=0787693324&searchType=PublicationSearchForm

URL
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紹介 This new title in Gale's World Of...Series is a comprehensive guide to the concepts, theories, discoveries, pioneers and issues relating to topics in earth science. World of Earth Science's encyclopedic approach offers approximately 650 entries in a convenient A-Z format, cross-reference headings and is written in easy to understand language.(Reprinted from Gale Virtual Reference Library.)
<<LOG OUT WHEN DONE>>



タイトル Oxford Reference Online

リンク先 <http://www.oxfordreference.com/views>

URL /GLOBAL.html?authstatuscode=202

ひとこと紹介 Dictionaries, World Encyclopedia, World Maps, etc.
<<LOG OUT WHEN DONE>>

2. Find Books by OPAC.

OPAC allows access to books acquired by the Library. Enter keywords to find books.



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タイトル OPAC(Nagoya University Library)
リンク先URL http://opac.nul.nagoya-u.ac.jp/imax_en_utf-8.html
ひとこと紹介 OPAC is the Library Catalog for all holdings of Nagoya University.

3.By topic: Molecular insect sciences

Lecture by Professor Yaginuma. (Nov. 11)

Keywords :

Insect, Diapause, Hibernation, Diapause Hormone, Silkworm (*Bombyx mori*)

Remember to use different terms (synonyms) that may prove to be more effective to find what you want during the research process.

Books and journal articles (recommended by teachers.)

OPAC allows access to books acquired by the Library. Enter keywords to find books.

- Check the list of references (or footnotes) found in books, there are some books to read.



図書(の章
節)

タイトル Insects at Low Temperature

著者名 edited by Richard E. Lee, Jr., and David L. Denlinger

ひとつこと紹介 pp. 424-445 Yamashita, O. and Yaginuma, T. "Silkworm Eggs at Low Temperatures: Implications for Sericulture"



図書(の章
節)

タイトル Perspective of Biology that Insects Talk about

著者名 [ed. by Kinugasakai]

ひとつこと紹介 pp. 40-53 Storey, K.B. and Storey, J.M. "Animal Cold Hardiness"
Cover title is written in Japanese, "Mushitachi ga kataru seibutugaku no mirai." Central Library 3F, Call No. 486.1||Ki, ID:11673011
Bioagricultural Library Books for Students, Call No. 486.1||M||
Kyoincyosaku2, ID:11672497



図書(の章
節)

タイトル Insect Physiology and Biochemistry

著者名 James L. Nation

ひとつこと紹介 Basic aspects of insect physiology and biochemistry.



雑誌・論文

タイトル Regulation of diapause

著者名 Denlinger, D.L

リンク先URL <http://arjournals.annualreviews.org/toc/ento/47/1>

ひとつこと紹介 Annual review of entomology v.47, pp.93-122.
(Available on campus.)



タイトル Endocrinology (Comprehensive Molecular Insect Science; v.3)
 著者名 ed. by Gilbert, L.I., Iatrou, K. and Gill, S.S.
 ひとつこと紹介 pp. 615-650 Denlinger, D.L. et al. "Hormonal Control of Diapause"

Find books by browsing.

Go to the bookshelves in the library and find books under the related classification number (Browsing). Library guide provides classification and shelf arrangement.

http://www.nul.nagoya-u.ac.jp/guide_c/index_e.html

Call No. (sorted by call no.)	fields
486	Insecta.Entomology
486.1	General entomology

4.By topic: Genetically modified crops

Lecture by Associate Professor Taniguchi. (Nov. 25, Dec. 2)

Keywords :

gene(tic) recombination, genetically modified foods, Cartagena Protocol on Biosafety, crops

Remember to use different terms (synonyms) that may prove to be more effective to find what you want during the research process.

Books (recommended by teachers.)

The OPAC allows access to books acquired by the Library. Enter keywords to find books.

- Check the list of references (or footnotes) found in books, it will show some books to read.



図書(の章
節)

タイトル Foods from genetically modified foods (free brochure)

著者名 ed. by Maarten J. Chrispeels

リンク先 <http://www.sdema.org/GMFoodsBrochure.pdf>

URL

ひとつこと Edition: Elementary and junior high school

紹介 Summary: Presents arguments for and against the new technology of genetically modified foods.

(Reprinted from WorldCat.)



図書(の章
節)

タイトル Genetically Modified Plants

著者名 **George T. Tzotzos, Graham P. Head, Roger Hull**

Setting the Context: Agriculture and Genetic Modification. Principles of Risk Assessment

ひとつこと Risk Assessment and Management - Human and Animal Health Risk
紹介 Assessment and Management - Environment

Risk Perception and Public Attitudes to GM Regulatory Frameworks

Appendix A-D, Index



図書(の章
節)

タイトル Genetically Modified Foods

著者名 Lillian E Forman

ひとつこと Edition: Elementary and junior high school

紹介 Summary: Presents arguments for and against the new technology of genetically modified foods.

(Reprinted from WorldCat.)



- タイトル Genetically modified language : the discourse of arguments for GM crops and food
 著者名 Guy Cook
 ひとつこと 紹介 In this book a variety of opinions are argued.



図書(の
 章節)

- タイトル The GM debate : risk, politics and public engagement
 著者名 Tom Horlick-Jones ... [et al.]
 ひとつこと 紹介 The book provides a unique and systematic account of the debate process, setting it within its political and intellectual contexts, and examining the practical implications of this development for future public engagement initiatives. (Reprinted from the book)

Find books by browsing.

Go to the bookshelves in the library and find books under the related classification number (Browsing). The library guide provides the classification and shelf arrangement.

http://www.nul.nagoya-u.ac.jp/guide_c/index_e.html

Call No. (sorted by call no.)	fields
467.2	Genetic analyses. Gene
498.54	Food sanitation
611.3	Food supply
615.21	Heredity. Transmission. Thremmatology. Breeding.

Newspapers

Nowadays, food issues have become a great concern. There are many items of news about GM foods. Check the customer response and the business trends.

You can access these newspapers by computer on the campus network. <<LOG OUT WHEN DONE>>

http://www.nul.nagoya-u.ac.jp/db/index_e.html#sinbun

- ProQuest provides electronic access to over 400 newspapers in the world, such as The New York Times.
- LexisNexis *Academic NEWS* supplies a wide variety of authoritative sources.

Web sites recommended by teachers.

Genetic engineering



タイトル Library of crop technology lesson modules
 リンク先URL <http://croptechnology.unl.edu/index.shtml>
 ひとこと紹介 Lessons on many aspects of agricultural biotechnology



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タイトル ISAAA (International Service for the Acquisition of Agri-biotech Applications)
 リンク先 URL <http://cls.casa.colostate.edu/TransgenicCrops/>
 ひとこと紹介 The goal of this web site is to provide balanced information and links to other resources on the technology and issues surrounding transgenic crops (also known as genetically modified or GM crops). (Reprinted from "Transgenic crops" website)

World situation

Look up the world trend of GMO.



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タイトル ISAAA (International Service for the Acquisition of Agri-biotech Applications)
 リンク先 URL <http://www.isaaa.org/>
 ひとこと紹介 ISAAA facilitates the transfer of technologies to developing countries and disseminates scientific knowledge to the global community. -->Global Knowledge Center on Crop Biotechnology(KC) http://www.isaaa.org/kc/bin/isaaa_briefs/index.htm



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タイトル Information Systems for Biotechnology (ISB)
 リンク先 URL <http://www.nbiap.vt.edu/>
 ひとこと紹介 Documents and searchable databases pertaining to the development, testing and regulatory review of genetically modified organisms within the US and abroad.



タイトル GMO Compass
 リンク先URL <http://www.gmo-compass.org/eng/home/>
 ひとこと紹介 Genetic modification in the EU.



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タイトル AgBioWorld
 リンク先 URL <http://www.agbioworld.org/index.html>
 ひとこと紹介 AgBioWorld aims to provide science-based information on agricultural biotechnology issues to various stakeholders across the world.



タイトル CAST (The Council for Agricultural Science and Technology)

リンク先 URL <http://www.cast-science.org/default.asp>

ひとこと紹介 The primary work of CAST is the publication of task force reports, commentary papers, special publications, and issue papers written by scientists from many disciplines.

Situation in Japan and the Japanese system.



タイトル Ministry of Health, Labour, and Welfare, JAPAN

リンク先 URL <http://www.mhlw.go.jp/english/topics/foodsafety/dna/index.html>

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ひとこと紹介 Procedures for safety assessment and labeling system of foods produced by recombinant DNA technique in Japan.

Opposing viewpoint on GM foods



タイトル Greenpeace

リンク先 URL <http://www.greenpeace.org/usa/campaigns/genetic-engineering>

インター
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ひとこと紹介 Genetic engineering of food we eat is an inherently risky process.



タイトル European Conference on GMO-free Regions

リンク先 URL <http://www.gmo-free-regions.org/>

インター
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ひとこと紹介 The movement of GMO-Free Regions.

Food safety and food problems concerning GM foods



タイトル Food safety (WHO: World Health Organization)

リンク先 URL <http://www.who.int/foodsafety/en/>

ひとこと紹介 A site about food safety presented by the WHO (World Health Organization).



タイトル FAO (The Food and Agriculture Organization of the United Nations)
リンク先URL <http://www.fao.org/>
ひとこと紹介 The FAO is a specialized agency of the United Nations. It aims to raise levels of nutrition and improve agricultural productivity. This site has a "Knowledge Forum", which is a gateway to its information, and also shows publications and statistics.



タイトル International Food Policy Research Institute (IFPRI)
リンク先URL <http://www.ifpri.cgiar.org/>
ひとこと紹介 Global food problems

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5.By topic: Ecology of irrigated rice fields

Lecture by Associate Professor Murase. (Jan. 13, 20)

Keywords :

rice field, soil, wetland, biogeochemistry, sustainable agriculture, environmental conservation

Remember to use different terms (synonyms) that may prove to be more effective to find what you want during the research process.

Books recommended by teachers.

OPAC allows access to books acquired by the Library. Enter keywords to find books.



タイトル Paddy soil science
著者名 Kazutake Kyuma

図書(の章節)



タイトル Soil biochemistry, v. 10

図書(の章節)

Find basic books by browsing.

Go to the bookshelves in the library and find books under the related classification number (Browsing). Library guide provides classification and shelf arrangement.

http://www.nul.nagoya-u.ac.jp/guide_c/index_e.html

Call No. (sorted by call no.)	fields
451.85	Climate change
468	General ecology
471.3	Plant physiology
519	Pollution. Environmental engineering
611	Agricultural economics
613.5	Soil science
616	Edible crops

Web sites recommended by teachers.

Many organizations have good websites. You can get reports, statistics and information on current events. These are some of the relevant organizations for this topic.



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タイトル IRRI (International Rice Research Institute)

リンク先URL <http://beta.irri.org/index.php/Home/Welcome/Frontpage.html>

ひとこと紹介 The IRRI is the main international agricultural institute (rice research and training organization) in Asia. This site provides the statistics, news and other information relating to rice.



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タイトル FAO (The Food and Agriculture Organization of the United Nations)

リンク先URL <http://www.fao.org/>

ひとこと紹介 The FAO is a specialized agency of the United Nations. It aims to raise levels of nutrition and improve agricultural productivity. This site has a "Knowledge Forum", which is a gateway to its information, and also shows publications and statistics.



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タイトル IPCC (The Intergovernmental Panel on Climate Change)

リンク先URL <http://www.ipcc.ch/organization/organization.htm>

ひとこと紹介 IPCC has 3 work groups assessing climate change from every angle, and it also has one task force and one task group. This web site has many publications you can access for free.

6.Light reading: Scientific journals and magazines for light reading.

Here are lighter scientific journals and magazines.

- You can read them in the library. Please check the location(or holding library) with OPAC.
- If you want to search for articles by topic or keywords, t r y this way:

Access online journals, put some keywords in the search box on that journal page, search for them and you will get articles containing the keywords. Sometimes, putting a phrase in double quotation marks makes searching more effective.



雑誌・論
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タイトル Scientific American

リンク先

URL

<http://www.scientificamerican.com/sciammag/>

ひとつこと

紹介

Scientific American covers all fields of science, and each topic has several pages. It is published monthly.

You can browse it in the Central Library. (Newly arrived journals are not available until mid-Nov.)



雑誌・論
文

タイトル National Geographic

リンク先

URL

<http://ngm.nationalgeographic.com/archives>

ひとつこと

紹介

National Geographic is famous for its spectacular photographs. It focuses on earth, space, history, animals, plants, environment, climate, nations and people.

When you read it via the internet, check the published date if you have to reference it.



雑誌・論
文

タイトル Nature

リンク先

URL

<http://www.nature.com/nature/archive/index.html>

ひとつこと

紹介

Nature focuses on current scientific laboratory and research work. It is not that easy to read, but can keep you updated on hot topics. <<EJ: Available on campus.>>



雑誌・論
文

タイトル Science

リンク先

URL

<http://www.sciencemag.org/>

ひとつこと

紹介

This journal contains original scientific research, global news and commentary. It is more difficult to read, but contains plenty of news on hot topics. <<EJ: Available on campus.>>

7. Newspaper Articles

For current events, try searching newspapers.

Newspapers (on campus access)

You can access these newspapers from computers on the campus network. Try searching for and reading the full text of newspaper articles on a particular topic. <<LOG OUT WHEN DONE>>

http://www.nul.nagoya-u.ac.jp/db/index_e.html#sinbun

- ProQuest provides electronic access to over 400 newspapers, such as The New York Times.
- LexisNexis *Academic* NEWS supplies a wide variety of authoritative sources.

8. Find Journal and Magazine articles

In addition to scholarly journals, popular journals also provide special issues on certain topics. Journal articles provide information on research, social issues and general areas of interest of a topic. There are also databases for scholarly journals.



タイトル Web of Science
リンク先URL <http://isiknowledge.com/wos/>
ひとこと紹介 All subjects (Humanities · Social Science · Natural Science)
<<Available on campus.>> <<LOG OUT WHEN DONE>>



タイトル BA (Biological Abstracts)
リンク先URL <http://search.ebscohost.com/>
ひとこと紹介 Biological Abstracts is a complete collection of bibliographic references covering life science and biomedical research literature.<<Available on campus>>

Material not available at Nagoya University can be borrowed from libraries of other universities. An inter-library loan service such as this is usually available through your school or department library. See ILL Service Desk List.

http://www.nul.nagoya-u.ac.jp/guide/ILLplace_e.html