



AgBioTechNet

User Guide

Contents

Introduction	2
Accessing AgBiotechNet	2
Navigating the interface	3
Simple site searches	4
Conducting general site searches	4
Conducting filtered site searches	4
Viewing search results	5
Smart Searches	7
Advanced searching	9
Field searching	9
Index Terms or “Descriptors”	10
Super indexes	10
CABICODES	11
Topic pages	11
Refine options	13
MyCABI	14
Creating a MyCABI account	14
Combining searches	16
Saving searches and creating alerts	17
Saving records	18
Exporting records	19
Appendix A: Search techniques	20

Introduction

AgBiotechNet is the complete complete online agricultural biotechnology information service that covers transgenics and tissue culture of plants and animals. AgBiotechNet gives rapid access to agricultural biotechnology and biosafety information. The site hosts information that maps and mirrors the latest research developments in key areas of agricultural biotechnology – giving the content a real research currency. Coverage includes:

- genetic engineering
- transgenic animals
- transgenic plants
- molecular genetics
- in vitro culture
- biosafety
- nucleotide sequences
- animal cloning
- genomics
- embryo transfer

AgBiotechNet includes the following information materials:

Abstracts records: Indexed records from the CAB Direct database relating to the subject of agricultural biotechnology science

Full text articles: Links to the complete scientific record for scholarly articles hosted on the CAB Direct database

CAB Reviews: Comprehensive overviews and detailed reviews of the latest research on an area of scientific study

News Articles: News on the current developments in agricultural biotechnology written by subject experts

Events: A calendar of relevant international conferences, congresses, annual meetings and more targeting scientific communities and industries involved in agricultural biotechnology

The following guide has been designed for all users of AgBiotechNet to highlight various features available and enable our customers to easily navigate the interface. It will also introduce various search techniques for new users of online databases and explain various strategies that can be used when searching to return the most relevant results.

Accessing AgBiotechNet

AgBiotechNet is a web-based interface. To access the site visit www.cabi.org/agbiotechnet

To sign in to the AgBiotechNet click on the Login button situated top right in the site menu as shown below:



There are 3 ways to login to the database depending on the access options your account has:

The image shows a 'Manage Access' login form. It has a green header with the text 'Manage Access' and a close button. Below the header, it says 'Log in via email/username'. There are two input fields: 'Email or username' and 'Password'. A 'Forgot password?' link is next to the password field. Below the fields are two buttons: 'Log in' (orange) and 'Register' (blue). A pink box highlights the entire login section, with a line pointing to it from the text 'Personal credentials'. Below the login section is a grey section with the text 'Redeem a voucher' and a right arrow. At the bottom, there is a button labeled 'Log in via your institution', which is also highlighted with a pink box and a line pointing to it from the text 'IP address recognition'.

By personal credentials:

If you requested access to the site by a username and password please enter this in to the login box.

By IP Address:

If your institution has a subscription to AgBiotechNet Database and you are accessing through your institutions network, the AgBiotechNet Database will recognise your IP address as a registered user and automatically log you on to the site. If you aren't automatically recognised click the Log in via your institution button situated underneath the Login button.

By Referral URL:

If you have access to VetMed Resource as a benefit of membership through an organization such as BSAVA, users can connect through the organizations online portal by referral URL. Simply click on the web-link in your organizations online portal.

Navigating the interface

The AgBiotechNet Database interface has been designed to enable quick and comprehensive content searches. Below shows an image of the homepage and the various features displayed.

The screenshot shows the AgBiotechNet homepage with various features highlighted by pink lines and labels:

- Site menu:** Located at the top, it includes links for 'Other CABI sites', 'Home', 'About', 'Bookshop', 'Help', 'Contact', 'Mobile', and 'Account'.
- Topic pages:** A row of buttons below the site menu, including 'Transgenic Plants', 'Transgenic Animals', 'Biosafety', 'Plant Tissue Culture', 'Animal Cell Culture', 'Animal Molecular Genetics', and 'Plant Molecular Genetics'.
- Search bar:** A green section with a search input field, 'Smart searches' button, and 'My CABI' button. It also includes a link to 'Advanced Bibliographic Search'.
- Latest indexed articles:** A section titled 'Latest content' showing a list of articles. The first article is 'Wild or farmed? a pilot study on determining origin of wildlife meat using methylation rate of ACTN3 gene and American mink.' by Wang BiXiao, Ma Yue, Hua Yan, Xu YanChun, and Yang ShuiHui, published in 'Mammal Research'.
- My CABI account:** A section titled 'My CABI Account' with options to 'Create and export short lists', 'Save Content', and 'Save Searches'.
- Content types available:** A section titled 'Content types' listing various content types: Abstract, CAB Review, CABI Book Chapter Info, CABI Book Info, CABI Hosted Full Text, Evidence Based Research, Miscellaneous, and News Article.
- Events calendar:** A section titled 'Events calendar' showing a calendar for August 2020.

The footer of the page includes the CABI logo, links for 'Privacy Policy', 'Terms & Conditions', 'Cookies', 'Accessibility', and 'Feedback', and social media icons for Facebook, Twitter, LinkedIn, and Email.

Simple site searches

AgBiotechNet offers a simple site search using a variety of basic search techniques to search content across the whole of the site such as Boolean operators and Phrase searching. These search techniques can be found in the [search techniques reference table](#).

Conducting general site searches

A general site search conducts a search across all the various types of content and topics covered in AgBiotechNet. It will return a broad range of search results that will include all material types from all subject areas. It can be a useful place to begin a search.

To conduct a general site search enter your search terms in to the search box located in the search bar of the home page and click the **Search** button as shown below.

The screenshot shows the top navigation bar of the AgBiotechNet website. It includes a 'Search AgBiotechNet' tab, a 'Smart searches' tab, and a 'My CABI' link. Below the navigation bar, a green banner states 'Access to over 563,000 abstracts, more than 32,000 full text documents, and reviews.' The search interface consists of a text input field labeled 'Enter keyword or phrase', a 'Search within topic' dropdown menu, a 'Filter by type' dropdown menu, and a 'Search' button. An 'Advanced Bibliographic Search' link is also present.

Conducting filtered site searches

A filtered site search can be used to limit a search to specific subjects or types of content on the AgBiotechNet Database. This will return a narrower range of search results and is particularly useful if you are trying to limit searches to particular areas or material types. You can limit the searches using a single filter or both simultaneously.

To conduct a filtered site search enter your search terms in to the search box located in the search bar of the home page. Click on the filter options to the right of the search box and select the categories you would like to limit the search to. The check boxes indicate which categories have been selected. Below shows the examples for both the subject and content filters:

This screenshot shows the search interface with the 'Search within topic' dropdown menu open. The menu is titled 'Limit to selected topics' and contains a list of checkboxes for various subjects. The following table represents the visible options:

Selected	Topic
<input checked="" type="checkbox"/>	Animal Cell Culture
<input type="checkbox"/>	Animal Molecular Genetics
<input type="checkbox"/>	Biosafety
<input type="checkbox"/>	Plant Molecular Genetics
<input type="checkbox"/>	Plant Tissue Culture
<input checked="" type="checkbox"/>	Transgenic Animals
<input type="checkbox"/>	Transgenic Plants

This screenshot shows the search interface with the 'Filter by type' dropdown menu open. The menu is titled 'Limit to selected content types' and contains a list of checkboxes for various content types. The following table represents the visible options:

Selected	Content Type
<input checked="" type="checkbox"/>	Abstract
<input type="checkbox"/>	CAB Review
<input type="checkbox"/>	CABI Book Chapter Info
<input type="checkbox"/>	CABI Book Info
<input type="checkbox"/>	CABI Hosted Full Text
<input type="checkbox"/>	Evidence Based Research
<input type="checkbox"/>	Miscellaneous
<input checked="" type="checkbox"/>	News Article

Once selected click the **Search** button.

Viewing search results

The returned results will be displayed on the search results page as shown below. The figure below the search box indicates the number of returned results from your search string query. The search results are displayed in the box below and can be ordered by most recently indexed first or relevance. At the top and bottom of the search results screen there are also options to vary the number of records displayed on the current page.

The screenshot shows the AgBiotechNet search results page. The header includes the CABI logo and navigation links. The search bar contains the query "(drought tolerance) OR (drought resistance) AND (sugar)". Below the search bar, a green box indicates "728 results found". To the right, a "Refine Results" panel offers sorting options: Relevance, Date (Recent First), Date (Oldest First), and Alphabetical (A to Z). The main results area shows a list of results, with the first result titled "Metabolic responses to drought stress in the tissues of drought-tolerant". Annotations point to the "728 results found" box, the "Type: Abstract" filter, the "Results per page: 10" dropdown, the "Refine Results" panel, and the "Results display options" section.

Below shows an example of an article header from the returned results. You can see the resource type, the article title, the leading sentence of the article abstract and further bibliographic information for the record. If the full text article is available there is a link to the full text article underneath.

This block shows a detailed view of a search result record. The record type is "Abstract" (with a "Full Text" link). The record title is "Transgenic potato plant with GhABF2 and its drought tolerance analysis.". The abstract introduction states: "The transcription factor *GhABF2* is homologous to *AREB1/ABF2*. The drought resistance of plants are improved by overexpressing *GhABF2*. In order to create the drought-resistant germplasm resources of potato, *GhABF2* gene was transferred into potato plantlet of cultivar "Atlantic" and mediated by ...". The bibliographic information includes the author(s) Pei HuaiDi; Li ZhongWang; Chen YuLiang; Luo JunJie, the publisher Journal of Agricultural Science and Technology, Beijing, China, and the citation Journal of Agricultural Science and Technology (Beijing), 2019, 21, 11, pp 35-42. A link to the full text article is provided at the bottom. Annotations point to the record type, the record title, the abstract introduction, the bibliographic information, and the link to the full text.

When clicked, the article title will take you to the record page listing the full bibliographic details of the record as shown below.

[<< Previous: Deciphering drought-induced metabolic responses and regulation in...](#)
[Next: Molecular mechanism underlying the effect of the intraspecific... >>](#)
[Return to Search Results](#)

Abstract

Transgenic potato plant with *GhABF2* and its drought tolerance analysis.

[View full text article →](#)

Abstract

The transcription factor *GhABF2* is homologous to *AREB1/ABF2*. The drought resistance of plants are improved by overexpressing *GhABF2*. In order to create the drought-resistant germplasm resources of potato, *GhABF2* gene was transferred into potato plantlet of cultivar "Atlantic" and mediated by *Agrobacterium tumefaciens* and 12 lines of kan-resistant seedlings were obtained. By using PCR, RT-PCR and Southern-blotting, this paper screened out eight transgenic lines with high *GhABF2* expression, and investigated their physiological biochemical indexes and growth characteristics under drought conditions. The results showed that the biomass, chlorophyll content, soluble sugar content, proline content, superoxide dismutase (SOD) and peroxidase (POD) activities of transgenic plants were significantly higher than those of the control under PEG-6000 stress. It was suggested that the drought tolerance of potato was improved by overexpressing *GhABF2*. The present research provided important genetic resources for drought-tolerant new variety breeding, and had important theoretical and practical significance.

[View full text article →](#)

[<< Previous: Deciphering drought-induced metabolic responses and regulation in...](#)
[Next: Molecular mechanism underlying the effect of the intraspecific... >>](#)
[Return to Search Results](#)

[Top of page](#)

Abstract details

Author(s)
[Pei HuaDi](#); [Li ZhongWang](#);
[Chen YuLiang](#); [Luo JunJie](#)

Author Affiliation
Institute of Biotechnology, Gansu
Academy of Agricultural Sciences,
Lanzhou 730070, China.

Author Email
phdfeixiang@163.com
hnslijie@163.com

Journal article
[Journal of Agricultural Science and
Technology \(Beijing\)](#)
2019 21 11 35-42

ISSN
1008-0864

Publisher information
Journal of Agricultural Science and
Technology Beijing China

Language of Text
[Chinese](#)

Language of Summary
English

Organism descriptor(s)
[plants](#)
[Solanum tuberosum](#)

Descriptor(s)
[biomass](#)
[chlorophyll](#)
[drought](#)
[drought resistance](#)
[enzyme activity](#)
[enzymes](#)
[genetic engineering](#)
[genetic transformation](#)
[genetically engineered organisms](#)
[peroxidase](#)
[plant water relations](#)
[potatoes](#)
[proline](#)
[stress](#)
[stress response](#)

Bibliographic
information

Metadata

As well as the full abstract the page will also include the full bibliographic information and indexing keywords that were assigned to the record during the indexing process. This can be found under the Abstract details pane on the right of the page.

All these terms are intuitive links which when clicked performs a search on that term. The example below shows a section of the Abstract details pane. In this example we have clicked on the author name. This has performed a site search which has returned all records this author has contributed to

6

Abstract details

Author(s)
 Pei HuaiDi; Li ZhongWang;
 Chen YuLiang; Luo JunJie

Smart Searches

To help you search for literature in common or key topics of interest our subject experts have created predefined search strings. These have been created using complex search techniques such as field tags and multiple Boolean operators to return the most relevant results. To access the Smart searches click on the tab above the search box as shown below.

Search AgBiotechNet

Smart searches

My CABI

AgBiotechNet smart searches are based on commonly researched topics, and your own requests

[Request a search →](#)

Animal disease resistance Animal gene expression Animal reproduction Arabidopsis Biofuel biotechnology	Bt plants Drought resistance Fish biotechnology Forestry biotechnology Herbicide resistance	Plant disease resistance Plant gene expression Plant molecular farming Public opinion
--	---	--

This will show you a list of smart searches and their associated topic that are available. To conduct a smart search click on the topic of your choice. The screenshot below shows you the results for the smart search “plant disease resistance”.

The screenshot displays the AgBiotechNet website interface. At the top, there is a navigation bar with links for 'Other CABI sites', 'Home', 'About', 'Bookshop', 'Help', 'Contact', 'Mobile', and 'Account'. Below this is the CABI logo and the AgBiotechNet header, which states 'Information on agricultural biotechnology for plant and animal researchers and policy-makers'. A user login box indicates the user is signed in as 'CABI Egham (Gratis)' via IP Address.

The main search area features a green header with 'Search AgBiotechNet' and 'Smart searches' tabs. A search bar contains the query 'Plants AND "disease resistance"', and buttons for 'Search within topic', 'Filter by type', and 'Search' are present. Below the search bar, it states 'Access to over 563,000 abstracts, more than 32,000 full text documents, and reviews.' and provides a link to 'Advanced Bibliographic Search'.

The search results section shows '27,283 results found'. It includes a pagination bar with numbers 1 through 10 and a 'Results per page' dropdown set to 10. The 'Search results' tab is active, displaying a list of results. The first result is titled 'The association of maize characteristics with resistance to *Fusarium verticillioides* and fumonisin accumulation in commercial maize cultivars.' and includes a brief abstract: 'Fusarium verticillioides is the primary fungus that causes Fusarium ear rot (FER) of maize. Infection results in reduced grain yield and quality due to moulding and the contamination of grain with toxic compounds namely fumonisins. Resistance to fungal infection and fumonisin accumulation in maize...'. Below the abstract, the author(s) 'Links, S.; Zyl, K. van; Cassiem, A.; Flett, B. C.; Viljoen, A.; Rose, L. J.', publisher 'Wageningen Academic Publishers, Wageningen, Netherlands', and citation 'World Mycotoxin Journal, 2020, 13, 3, pp 367-379' are listed. Buttons for 'Abstract' and 'Full Text' are available.

On the right side, the 'Refine Results' panel is visible, showing options to 'Sort Order' (Relevance, Date (Recent First), Date (Oldest First), Alphabetical (A to Z)) and 'Geographical Location' (China (1,092), USA (994), India (562), Africa South of Sahara (391), Brazil (263)).

To narrow results further you can either use the refine panel to the right hand side of the page or add terms manually to the end of the predefined search string.

Advanced searching

Field searching

The search box for AgBiotechNet also allows you to conduct advanced field searching using the index field tags.

Field searching is a technique by which users can search for keyword terms in specific indexing fields. These indexing fields are used when adding a bibliographic record to AgBiotechNet e.g. Abstract title, author. Each indexing field has an associated field tag which can be used in conjunction with search keywords to return a more precise set of results.

Below is a list of the indexing fields and their associated tag:

Common search fields

Description	Field Tag
Abstract	ab
Author affiliation	aa
Descriptor	de
Organism Descriptor	od
Geographic Locator	gl
Broad term	up
Identifier	id
Publication source	do
Publisher	publisher
CABICODE	cc
Conference	ct
Language	la
Publication type	it
Year	yr
Record number	pa
DOI	oi
ISSN	sn
ISBN	bn

Additional search fields

Description	Field Tag
Additional Authors	ad
Author Affiliation	aa
CAS Registry Numbers	ry
Conference Dates	cd
Conference Title	ct
Corporate Author	ca
Country of Publication	cp
Descriptors	de
Digital Object Identifier	oi
Document Editors	ed
Document Title	do
Email	em
English Item Title	et
Non English Item Title	ft
Geographic Location	gl
Identifiers	id
ISBN	bn
ISSN	sn
Item Type	it
Language(s) of Summary	ls
Language(s) of Text	la
Location of Publisher	lp
Main Abstract	ab
Organism Descriptors	od
Pan Number	pa
Personal Author	au
Personal Author Variants	av
Publisher	pb
CABI Product Code	sc
Up-posted Descriptors	up
Web URL	ur
Year of Publication	yr

To conduct a field search type the associated field tag (must be lowercase) into the search box followed by a colon. Next enter your search term/s. Field searching can also be conducted using the variety of simple search techniques outlined previously such as multiple word searches and Boolean operators. Below show some examples:

Single word search:

(transgenic animals)

Multiple word search:

(transgenic animals) AND (GMO)

Searching with perentheses:

(transgenic animals) OR (GMO) AND (sheep)

Index Terms or “Descriptors”

If you are looking only for important papers on a particular subject, where you want a high level of relevance, you should restrict your search to one or more of the CABI indexing or Descriptor fields. Every record on the database is indexed with terms that describe all the important concepts within a paper. The index terms may be added to one of 5 different indexing fields. The indexing fields that CABI uses are

Fields	Tags	Description	Example
Organism Descriptor	od:	The Organism Descriptor field is used for animal and plant	od: “Abies alba”
Geographic Location	gl:	Geographic Location field is used for country and other geographic names	gl: Germany
Descriptor	de:	The Descriptor field is used for all the “other” terms that are neither animal, plant nor geographic	de: gene silencing
Broad Term (Up-posted Term)	up:	The broad term is used to search for more general terms of a subject as defined in CAB Thesaurus	up: gene expression
Identifier	id:	This field is used for non-preferred index terms	id: lipins

Please note: When searching the organism descriptor all animals are indexed with their scientific names. However, plants are indexed with both their scientific and their common names.

Super indexes

Super indexes allow users to search multiple indexes across related fields. They are useful tools for users if they are unsure which fields they need to specify when trying to conduct advanced field searching. They can be searched in the same way as other fields as the super indexes have their own field tag associated to them. Animal Science Database also has three super indexes.

The first two super indexes shown in the table below are used when searching bibliographic information relating to either the article title or the article authors. The table below shows the field tag, field indexes that are searched and an example of a search.

Super index name	Super index field tag	Fields searched	Example
Title	title:	English title Foreign title	<input type="text" value="title: tuberculosis"/>
Author	author:	Personal author Author variant Additional author Document editor Corporate author	<input type="text" value="author: Baron"/>

The third super index called the subject index is used when searching for the indexing terms or metadata that is recorded or assigned to each resource record. The table below shows the field tag, field indexes that are searched and an example of a search.

Super index name	Super index field tag	Fields searched	Search string example
Subject	subject:	Descriptor Geographic location Organism descriptor Identifier	<input type="text" value="subject: disease resistance"/>

CABICODES

In addition to adding index terms to a record, broad concepts are also “indexed” with a classification system known as CABICODES. The CABICODES are a hierarchical list of classification codes that divide the subject coverage of the CAB ABSTRACTS database into 23 major sections. Each section then includes a series of codes that divides that subject into more specific subjects. The codes themselves are typically used to code for subjects that would be difficult to describe with keywords alone. These CABICODES shown below display a selection of the CABICODES for social sciences and their associated topic area.

For a full list of CABICODES and their topic areas visit the [CABICODE list](#).

WW000 Biotechnology (General) (Revised June 2002) [Formerly Biotechnology]

WW100 Genetic Engineering, Gene Transfer and Transgenics (New June 2002)

WW300 Cell, Tissue and Embryo Manipulation (New June 2002)

WW500 Fermentation Technology and Industrial Microbiology (New June 2002)

WW700 Diagnostic, Therapeutic and Pharmacological Biotechnology (New June 2002)

WW900 Biosensors and Biological Nanotechnology (New June 2002)

The CABICODES can be searched just like any other field tag. Two field tags are assigned to the CABICODE field and these are described below. Please note, as other field tags these must be entered in lowercase.

Field tag	Definition	Example
cc:	Allows users to search the index of the alphanumerical assigned code e.g. PP600	cc:WW100
cabicode:	Allows users to search both the alphanumerical assigned code index as above and the CABI code title index e.g. engineering	cabicode: WW100 or cabicode: engineering

Topic pages

Topic pages enable you to focus searching on specific areas of Biotechnology science. The topic page can be selected from the horizontal menu bar shown in the screen shot below. These topic pages are structured in a similar format as the homepage but only include content items that refer to the selected topic. For example, the screen shot below shows the topic page for climate change. Therefore the latest content section on the climate change topic page will only show recent articles that refer to climate change. The green underline in the horizontal topic page menu and the page title indicate which topic page you are currently viewing.

Topic page menu bar

Topic page title

Latest content only showing for topic

Refine results pane

Transgenic Animals

Covering all experimental and commercial use of transgenic animals

Latest content

Mark: All / None

Abstract

★ **Cloning of hepatic lipase and the effects of dietary nutrition on hepatic lipase expression in genetically improved farmed tilapia (*Oreochromis niloticus*).**

Hepatic lipase is an important gene in lipid metabolism, which is crucial in the growth of fish. In this study, the cDNA sequence of genetically improved farmed tilapia (GIFT) HL gene was cloned by aimed rapid amplification of cDNA ends (RACE) method. Then, the characteristics of HL were analyzed...

Author(s) Liu Ting; Huang Kai; Zheng YiMin; Gan Wu; Zuo Teng; Wang Ting
Publisher Springer
Publication Fish Physiology and Biochemistry, 2020, 46, 3, pp 921-930

Abstract

★ **Generation and application of a *Tg(cyp1a:egfp)* transgenic marine medaka (*Oryzias melastigma*) line as an *in vivo* assay to sensitively detect dioxin-like compounds in the environment.**

Refine Results

Sort Order

Relevance
 Date (Recent First)
 Date (Oldest First)
 Alphabetical (A to Z)

Author

Romeis, J. (272)
 Zhang, Y. (173)
 Wang, Y. (170)
 Liu, Y. (153)
 Meissle, M. (139)
 + MORE RESULTS...

Geographical Location

USA (1,160)
 China (890)
 Europe (614)
 India (612)
 Africa South of Sahara (282)
 + MORE RESULTS...

Item Type

Journal article (30,294)
 Conference paper (2,400)
 News (1,452)

When conducting a search from a topic page, the relevant option is automatically selected from the topic filter section as shown below. This means that any search conducted from the topic page will limit searches to only content relating to that subject.

Search AgBiotechNet

Smart searches

Access to over 563,000 abstracts, more than 32,000 full text documents, and reviews.

Enter keyword or phrase

Search within topic

Filter by type

Search

Transgenic Animals

Covering all experimental and commercial use of transgenic animals

Limit to selected topics

☐ Animal Cell Culture ☐ Plant Tissue Culture

☐ Animal Molecular Genetics ☒ Transgenic Animals

☐ Biosafety ☐ Transgenic Plants

☐ Plant Molecular Genetics

Refine Results

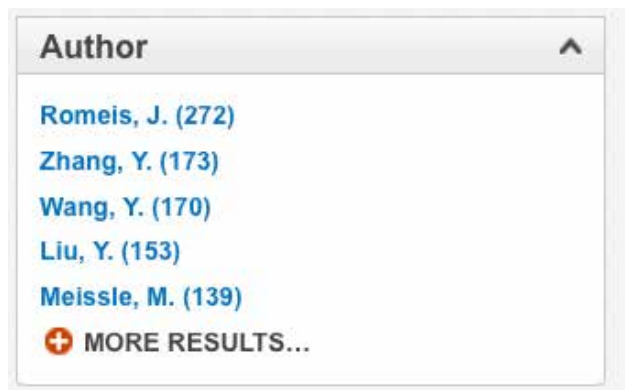
Sort Order

Topic automatically selected

Refine options

On the right side of the topic page there is a Refine results pane. This allows you to organise the display of the results alphabetically or by recency or relevancy. The refine pane also allows users to refine content even further using the following index fields:

- Author
- Geographic location
- Item type
- Language
- Organisms
- Subject topics



Each field is listed in a separate box in the refine results pane. These can be collapsed by using the expand arrow in the field box header. Blue text indicates the keyword and the bracketed number indicate the amount of records associated to it

Clicking on a blue keyword conducts a search to return results specific to the selected topic and the relevant keyword from the associated field. For example, below we can see that by clicking on the author listed in the author field box a filtered search is generated limiting results the author: "Romeis, J.". This is displayed in the filter display at the top of the results page

Author

- Romeis, J. (272)
- Zhang, Y. (173)
- Wang, Y. (170)
- Liu, Y. (153)
- Meissle, M. (139)
- + MORE RESULTS...

252 results found

Topic: Transgenic Animals Author: Romeis, J.

1 2 3 4 5 6 7 8 9 10 Results per page: 10

Search results

Mark: All / None

Abstract

☆ **Developing a good practice for the review of evidence relevant to GMO risk assessment.**

Recent controversies over peer-reviewed papers on potential impacts of genetically modified organisms underline the necessity for an explicit, transparent and unbiased reviewing of published results. Evidence synthesis approaches represent powerful tools to collect, evaluate and summarize such...

Author(s) Kohl, C.; Craig, W.; Frampton, G.; Garcia-Yi, J.; Herck, K. van; Kleter, G. A.; Krogh, P. H.; Meissle, M.; Romeis, J.; Spök, A.; Sweet, J.; Wilhelm, R.; Schiemann, J.
Publisher International Organization for Biological and Integrated Control of Noxious Animals and Plants (OIBC/OILB), West Palaearctic Regional Section (WPRS/SROP), Dijon, France
Citation IOBC/WPRS Bulletin, 2013, 97, pp 55-62

Abstract

☆ **Novel approaches in genetic engineering in relation to the current regulatory frameworks.**

Enormous research efforts and huge amount of funds have supported for more than a decade the studies of potential ecological risks of genetically modified organisms all over the World, especially in Europe. This vast amount of effort on this type of research with the first generation of transgenic...

Author(s) Balázs, E.; Gellért, Á.
Publisher International Organization for Biological and Integrated Control of Noxious Animals and Plants (OIBC/OILB), West Palaearctic Regional Section (WPRS/SROP), Dijon, France
Citation IOBC/WPRS Bulletin, 2012, 73, pp 9-15

Abstract

☆ **Not all GMOs are crop plants: non-plant GMO applications in agriculture.**

Since tools of modern biotechnology have become available, the most commonly applied and often discussed genetically modified organisms are genetically modified crop plants, although genetic engineering is also being used successfully in organisms other than plants,

Refine Results

Sort Order

- Relevance
- Date (Recent First)
- Date (Oldest First)
- Alphabetical (A to Z)

Author

- Meissle, M. (124)
- Bigler, F. (61)
- Álvarez-Alfageme, F. (33)
- Li, Y. H. (29)
- Li YunHe (28)
- + MORE RESULTS...

Geographical Location

- Europe (16)
- Spain (14)
- Germany (11)
- Switzerland (8)
- Poland (6)
- + MORE RESULTS...

Item Type

- Journal article (238)
- Conference paper (138)
- Conference proceedings (5)
- Journal issue (5)
- Book chapter (4)
- + MORE RESULTS...

Language

- English (251)
- German (1)

Organisms

- plants (239)
- insects (139)
- arthropods (138)
- Zea mays (129)
- Bacillus thuringiensis (100)
- + MORE RESULTS...

MyCABI

The MyCABI feature improves search functionality for users allowing users to:

- Combine and save searches
- Save records
- Export citations
- Create Alerts

To gain the full functionality of MyCABI and for the system to record and recall your searching activity you must be signed in. It is therefore recommended that you sign-in to MyCABI at the beginning of all your search sessions on AgBiotechNet database.

Creating a MyCABI account

Before you can access the features of MyCABI you first need to create an account. Click on the MyCABI button in the top-right hand corner of the search box as shown below:

Other CABI sites Home About Bookshop Help Contact Mobile Account

CABI | **AgBiotechNet**
Information on agricultural biotechnology for plant and animal researchers and policy-makers

You are signed in as: **CABI Egham (Gratis)**
Signed in via: IP Address

Transgenic Plants Transgenic Animals Biosafety Plant Tissue Culture Animal Cell Culture Animal Molecular Genetics Plant Molecular Genetics

Search AgBiotechNet Smart searches **My CABI**

Access to over 563,000 abstracts, more than 32,000 full text documents, and reviews.

Enter keyword or phrase Search within topic Filter by type Search

[Advanced Bibliographic Search](#)

This will direct you to the sign-in page as shown below. The right hand side of the page allows new users to register an account. The left hand side of the page allows users already registered to sign in. Once registered, fill in your unique credentials to sign-in.

Return My CABI

Welcome to My CABI

Sign in or register a My CABI account to personalise your CABI experience and manage your saved searches and records.

Sign in to My CABI

Email Address

Password

SignIn ☐ Remember me

[Forgotten password?](#)

Register for a My CABI Account

Email address

Password

Retype Password

Create account

Below shows the MyCABI page. At the top of the display box are the different tabs to display the different types of search activities. By default the display automatically shows the recent searches that you have conducted. To the left hand side of the page there is also an option to sign-out or change your account password. To permanently remove a search from your recent search display click on remove button.

Sign out/
Change
password

Select all	Results	Save search	Remove
<input type="checkbox"/> (transgenic animals) Item Types: Abstract	27,958	+	x
<input type="checkbox"/> (transgenic animals) AND (GMO) Item Types: Abstract	514	+	x
<input type="checkbox"/> (transgenic animals) OR (GMO) AND (sheep) Item Types: Abstract	613	+	x

Display
tabs

Combining searches

Combined searches are a useful tool for when compiling long and complex search strings which contain multiple Boolean operators and parentheses. To simplify the process and minimise the chance of input errors this function allows the user to perform two or more separate searches and combine them with either the AND, OR and NOT Boolean operators.

In the example below we can see in the recent search tab two relatively complex searches have recently been conducted. These two have been selected using the checkbox and the AND Boolean operator has been chosen from the combined search options. You can also see these searches have been filtered to certain criteria as explained previously.

Selected
searches

Select all	Results	Save search	Remove
<input checked="" type="checkbox"/> (transgenic animals) Item Types: Abstract	27,958	+	x
<input checked="" type="checkbox"/> (transgenic animals) AND (GMO) Item Types: Abstract	514	+	x
<input type="checkbox"/> (transgenic animals) OR (GMO) AND (sheep) Item Types: Abstract	613	+	x

Once your options have been selected perform the search by clicking the **Search** button. This will conduct the search and direct you to the results page as shown below. You can see that the search string of the two combined searches is displayed in the search box. By combining this search with the AND operator we have limited the results further to only return 8 records but alternatively by using this feature with the OR operator the we can also expand results.

Search AgBiotechNet

Smart searches

My CABI

Access to over 563,000 abstracts, more than 32,000 full text documents, and reviews.

(subject: disease resistance) OR ((transgenic animals) OR (GMO) AND (sheep))

Search within topic

Filter by type

Search

Advanced Bibliographic Search

1,118 results found

Type: Abstract

1

2

3

4

5

6

7

8

9

10

Results per page: 10

Search results

Results

Mark: All / None

Abstract

Study of biosafety evaluation on melatonin synthase AANAT/ASMT overexpressed sheep.

The purpose of this experiment was to study the biological safety of sheep with melatonin synthase genes AANAT and ASMT (HIOMT) over-expressed in mammary gland. Based on the sheep models with AANAT and ASMT (HIOMT) over-expressed in mammary gland established in the previous study, we tracked the...

Author(s)
Yang AiLing; Li GuangDong; Wu Hao; Ji PengYun; Zhang Lu; Zhang JinLong; Zhang XiaoSheng; Wusiman, A.; Lian ZhengXing; Liu GuoShi

Publisher
Institute of Animal Science, Chinese Academy of Agricultural Sciences, Beijing, China

Citation
Acta Veterinaria et Zootechnica Sinica, 2020, 51, 7, pp 1563-1572

Save to My CABI

Refine Results

Sort Order

Relevance
Date (Recent First)
Date (Oldest First)
Alphabetical (A to Z)

Author

Clark, A. J. (24)
Murray, J. D. (24)
Laude, H. (17)
Andréoletti, O. (15)
Baron, T. (15)
MORE RESULTS...

Geographical Location

USA (25)
UK (23)
Australia (20)
China (18)
Germany (10)
MORE RESULTS...

Item Type

Saving searches and creating alerts

For searches you would like to run on a regular basis, users can save searches for future reference by using MyCABI. To save a search visit the recent search tab from the MyCABI page and click on the green plus which is the save search button.

Return

My CABI

Sign out Refresh Change password

Recent searches

Saved searches

Saved records

Selected records

Combine Selected Searches
☒ OR (Expand)
☐ AND (Include)
☐ NOT (Exclude)
Search

<input type="checkbox"/> Select all	Results	Save search	Remove
<input type="checkbox"/> (subject: disease resistance) OR ((transgenic animals) OR (GMO) AND (sheep)) Item Types: Abstract	1,118	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> (transgenic animals) Item Types: Abstract	27,958	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

To view your saved searches click on the saved searches tab. The saved searches tab allows the user to conduct a saved search by clicking on the blue search string displayed. For each saved search there is also an option to set up an RSS feed which automatically notifies the user when new records relating to that search string are added to AgBiotechNet. These notifications can be viewed through all RSS readers such as Microsoft Outlook and Feedly. To find out more about RSS and how to setup an account with an RSS reader read more here. To set up an RSS feed for your search string click on the RSS feed button.

Return

My CABI

[Sign out](#)
[Refresh](#)
[Change password](#)



Recent searches

Saved searches

Saved records

Selected records

Combine Selected Searches
☒ OR (Expand)
☐ AND (Include)
☐ NOT (Exclude)

<input type="checkbox"/>	Select all	Results	RSS	Remove
<input type="checkbox"/>	(transgenic animals) OR (GMO) AND (sheep) <small>Item Types: Abstract</small>	613		

Saving records

The MyCABI tool also allows you to save individual article records for future reference and export these to reference management software to create your own bibliographies or reference lists. To save a record to the saved records repository you must first be signed into the MyCABI tool before conducting searches. When signed in and a search has been conducted each record in the displayed results will have a **Save to MyCABI** button associated. Click this button to save the record.

Search AgBiotechNet

Smart searches

My CABI

Access to over 563,000 abstracts, more than 32,000 full text documents, and reviews.

(subject: disease resistance) OR ((transgenic animals) OR (GMO) AND (sheep))

Search within topic

Filter by type

Search

[Advanced Bibliographic Search](#)

1,118 results found

Type: Abstract

1 2 3 4 5 6 7 8 9 10

Results per page: 10

Search results

Results

Mark: [All](#) / [None](#)

Abstract

☆ **Study of biosafety evaluation on melatonin synthase AANAT/ASMT overexpressed sheep.**


The purpose of this experiment was to study the biological safety of sheep with melatonin synthase genes AANAT and ASMT (HIOMT) over-expressed in mammary gland. Based on the sheep models with AANAT and ASMT (HIOMT) over-expressed in mammary gland established in the previous study, we tracked the...

Author(s)

Publisher

Citation

Yang AiLing; Li GuangDong; Wu Hao; Ji PengYun; Zhang Lu; Zhang JinLong; Zhang XiaoSheng; Wusiman, A.; Lian ZhengXing; Liu GuoShi
 Institute of Animal Science, Chinese Academy of Agricultural Sciences, Beijing, China
 Acta Veterinaria et Zootechnica Sinica, 2020, 51, 7, pp 1563-1572



Refine Results

Sort Order

[Relevance](#)
[Date \(Recent First\)](#)
[Date \(Oldest First\)](#)
[Alphabetical \(A to Z\)](#)

Author

Clark, A. J. (24)
 Murray, J. D. (24)
 Laude, H. (17)
 Andréoletti, O. (15)
 Baron, T. (15)
[+ MORE RESULTS...](#)

Geographical Location

[USA \(25\)](#)
[UK \(23\)](#)
[Australia \(20\)](#)
[China \(18\)](#)
[Germany \(10\)](#)
[+ MORE RESULTS...](#)

Item Type

To view your saved records click on the saved records tab . This will display the title of all saved records. To view a specific record, click on the title. Records can be removed individually by using the red cross button. To delete multiple records check the boxes next to the records and click the **Remove records** button as shown below.

Exporting records

Citations can also be exported from the site by various options. To export records select the records you would like to export from your saved records list and select the various export options below:

← Return My CABI

[Sign out](#) [Refresh](#) [Change password](#)

Recent searches Saved searches **Saved records** Selected records

[✕ Remove records](#) [📄 Export citations](#) [✕ Email records](#) [🖨️ Print records](#)

<input type="checkbox"/>	Select all	Remove
<input checked="" type="checkbox"/>	Study of biosafety evaluation on melatonin synthase AANAT/ASMT overexpressed sheep.	✕

To export to reference management software in a RIS file format select the records you would like to be included in the reference list using the checkbox and click the Export citations button as shown below.

Records can also be sent via email to the email address which was used when registering your account. To email selected records click on the Email records button, choose the format options shown in the diagram below and click Export citations Send email.

← Return My CABI

[Sign out](#) [Refresh](#) [Change password](#)

Recent searches Saved searches **Saved records** Selected records

Email records
[Return to saved records](#)

Email to s.hilliar@cabi.org

Citation format ☐ Citation Only ☒ Citation + Abstract ☐ Full record citation

Email format ☒ Text of the email ☐ Attach as text file ☐ Attach as HTML file

[Export citations Send email](#)

To print selected records simply click on the and chose the format options shown in the diagram below. Once selected click Print

← Return My CABI

[Sign out](#) [Refresh](#) [Change password](#)

Recent searches Saved searches **Saved records** Selected records

[✕ Remove records](#) [📄 Export citations](#) [✕ Email records](#) [🖨️ Print records](#)

☐ Select all Remove

☒ Study of biosafety evaluation on melatonin synthase AANAT/ASMT overexpressed sheep. ✕

Select Citation format

- ☒ Citation only
- ☐ Citation + Abstract
- ☐ Full record

Print Close

Appendix A: Search techniques

Search technique	Example	Description	Function	Reason to use
Single word search	rainfall	Searches using a single word term	Returns a broad range of results for a particular word/topic	Provides a broad overview of a scientific area of interest
Boolean search	rainfall OR rain	Searches using the operators AND, OR and NOT	Performs searches on multiple concepts that provides specific keyword searching for an area of interest that can include or exclude other concepts	Allows the user to conduct more controlled searching. Can be used to omit homophones
Phrase searching	rainfall OR "climate change"	Use quotation marks before and after a multiple word phrase	Returns results only containing the entire phrase	Narrows searching to records that only contain the whole phrase
Parentheses	(rainfall OR rain) AND "climate change"	Searches using keywords, Boolean operators and parentheses	Used for searches that contain multiple Boolean operators to define the correct search logic	Refines searches with Boolean operators further to provide limited search results
Truncation & wild cards	rain* AND "climate change"	Uses the symbols * and ? in keyword search	Using the * returns results with different word stems for the root word Using the ? symbol allows users to specify unknown characters	The * allows users to broaden results to keywords with differing word stems e.g. pop* = popular, population, etc. The ? returns results using a keyword that may differ in spelling