CABI Training Materials

Nutrition and Food Sciences Database (NFSD)

User Guide

Contents

Introduction 2

Accessing NFSD 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 12
- Refine options 13

My CABI 14

- Creating a My CABI account 14
- Combining searches 15
- Saving searches and creating alerts 16
- Saving and exporting records 17

Appendix A: Search techniques 18

Introduction

Nutrition and Food Sciences is a specialist internet resource that gathers together research, reviews and news on nutrition and the food sciences in an easily searchable database. It covers the whole food chain from the raw ingredients to the physiological and health effects of nutrients. Key subject areas include public health, clinical nutrition, nutrition physiology, food safety, food security, consumer behaviour, food science and technology and food product groups such as functional foods. Coverage includes:

- General nutrition & diet
- Clinical nutrition
- Physiology & animal models
- Food processing & technology
- Food science
- Food safety & storage
- Food law & economics

For a detailed list of subjects covered in the database visit our **'About' page**.

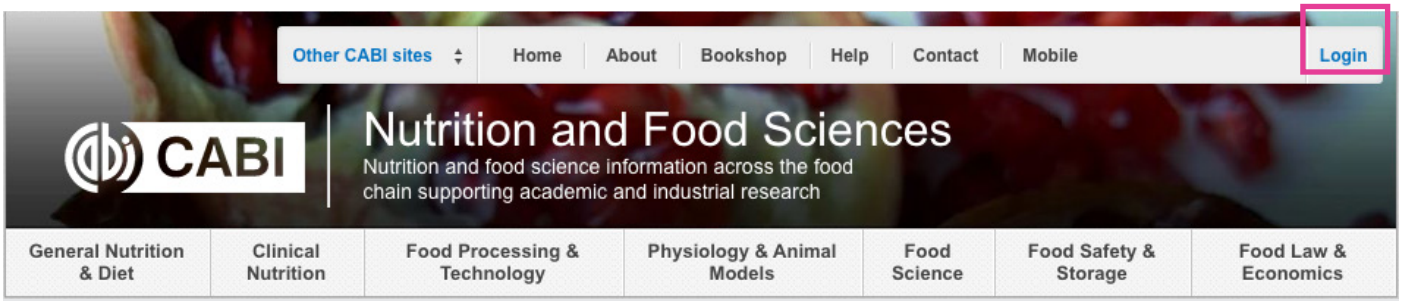
The Nutrition and Food Sciences Database includes the following information materials:

Abstracts records:	Indexed records from the CAB Direct database relating to Food Sciences and Nutrition
Full text articles:	Access to the scholarly articles hosted on the CAB Direct database
CAB Reviews:	Comprehensive overviews and detailed reviews of the latest research commissioned by CABI
News Articles:	The latest news on developments in Nutrition and Food Sciences written by subject experts. With references for further reading
Events:	A calendar of relevant international conferences for scientific communities and industries in Food Sciences and Nutrition
Datasheets:	Selected nutrition datasheets from CABI's Animal Health and Production Compendium. Compiled by experts, datasheets provide encyclopaedic reference material for specific subject topics. They contain detailed information on food safety and quality of livestock and poultry products throughout the food supply chain

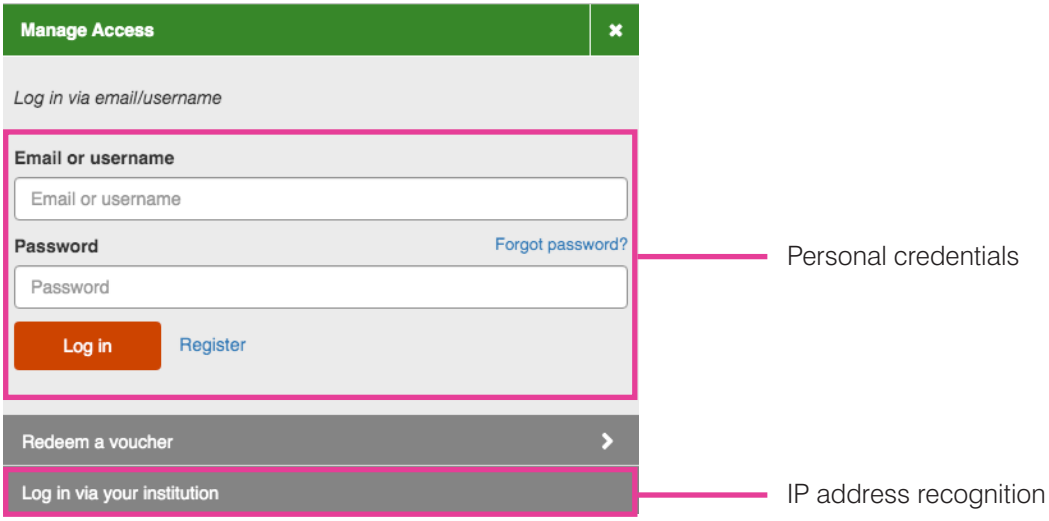
Accessing NFSD

Nutrition and Food Sciences Database is a web-based interface. To access the site visit **www.cabi.org/nutrition**

To sign in to the NFSD click on the 'Login' button found at the top right of the site, as shown below:



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



By personal credentials:

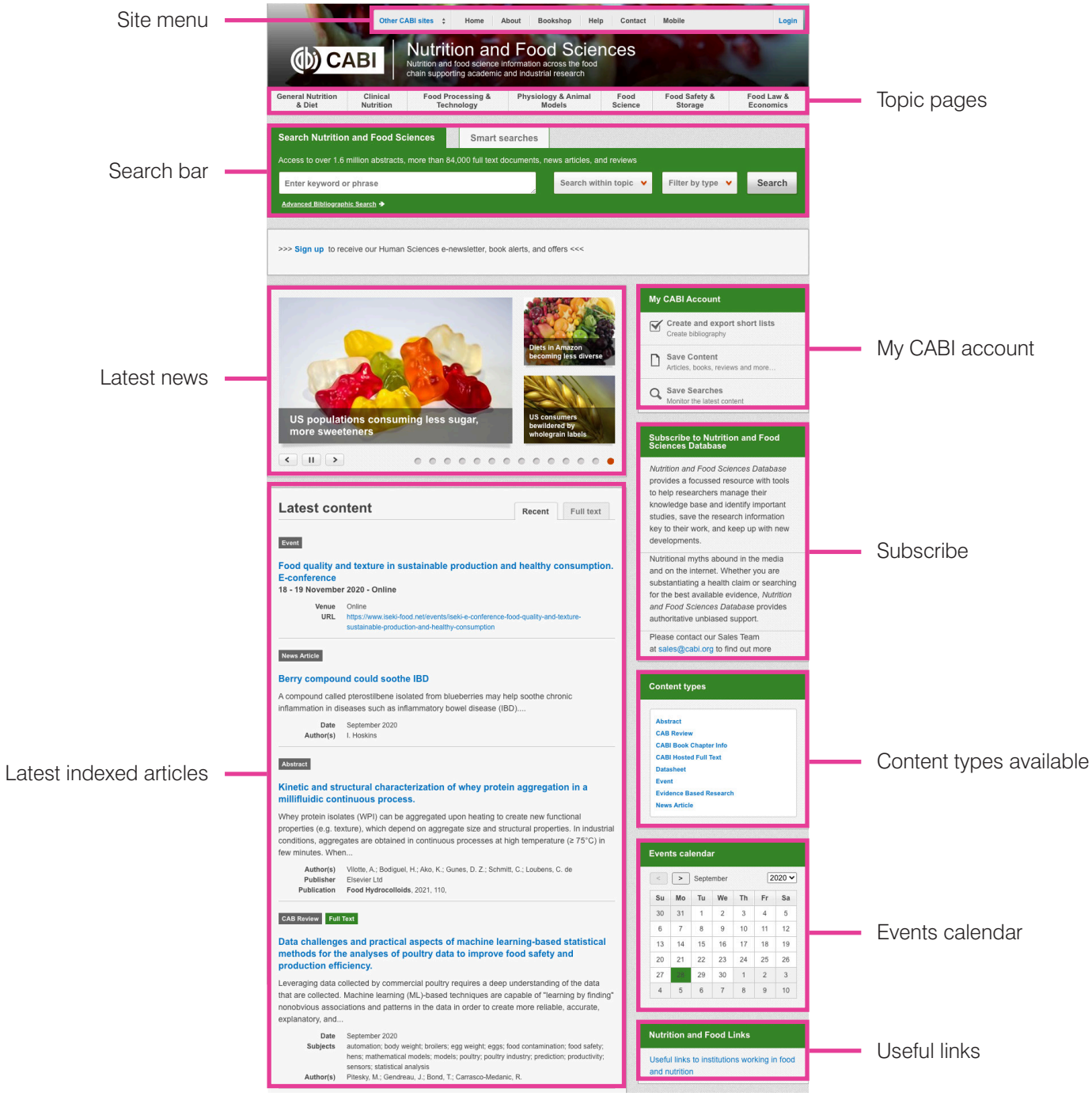
If you requested access to the site by a username and password please enter this in to the login box situated in the top right-hand corner of the webpage.

By IP Address:

If your institution has a subscription to NFSD and you are accessing through your institutions network, the NFSD platform will recognise your IP address as a registered user and automatically log you on to the site. If you aren't automatically recognised select 'Log in via your instituion' on the login box.

Navigating the interface

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



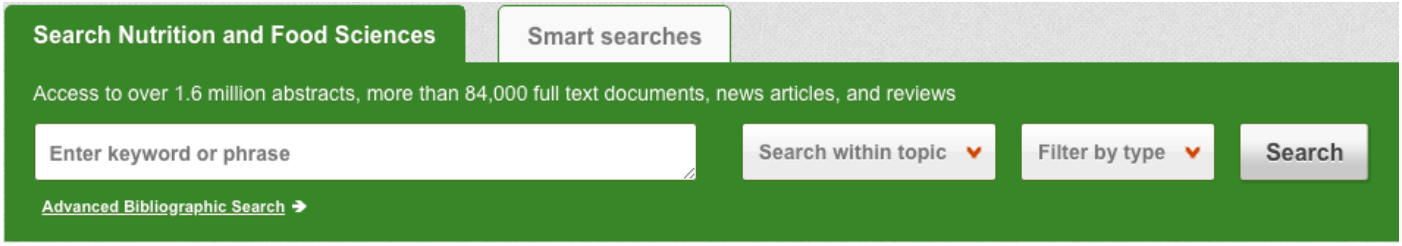
Simple site searches

NFSD 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 available in NFSD. 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.

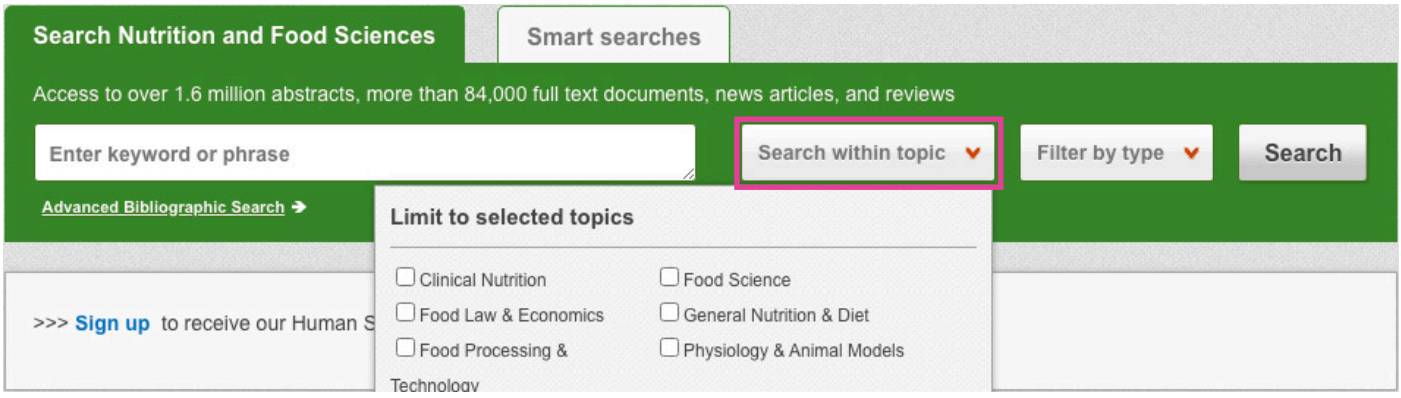
To conduct a general site search, enter your keyword or phrase in the box located in the search bar of the home page and click the 'Search' button:

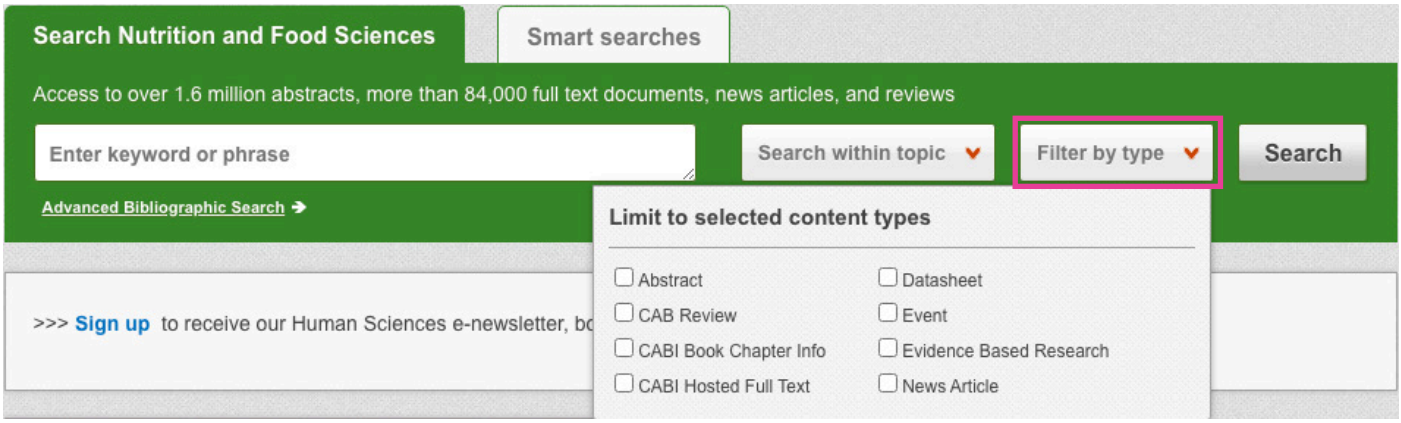


Conducting filtered site searches

A filtered site search can be used to limit a search to specific subjects or types of content on the NFSD site. 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.

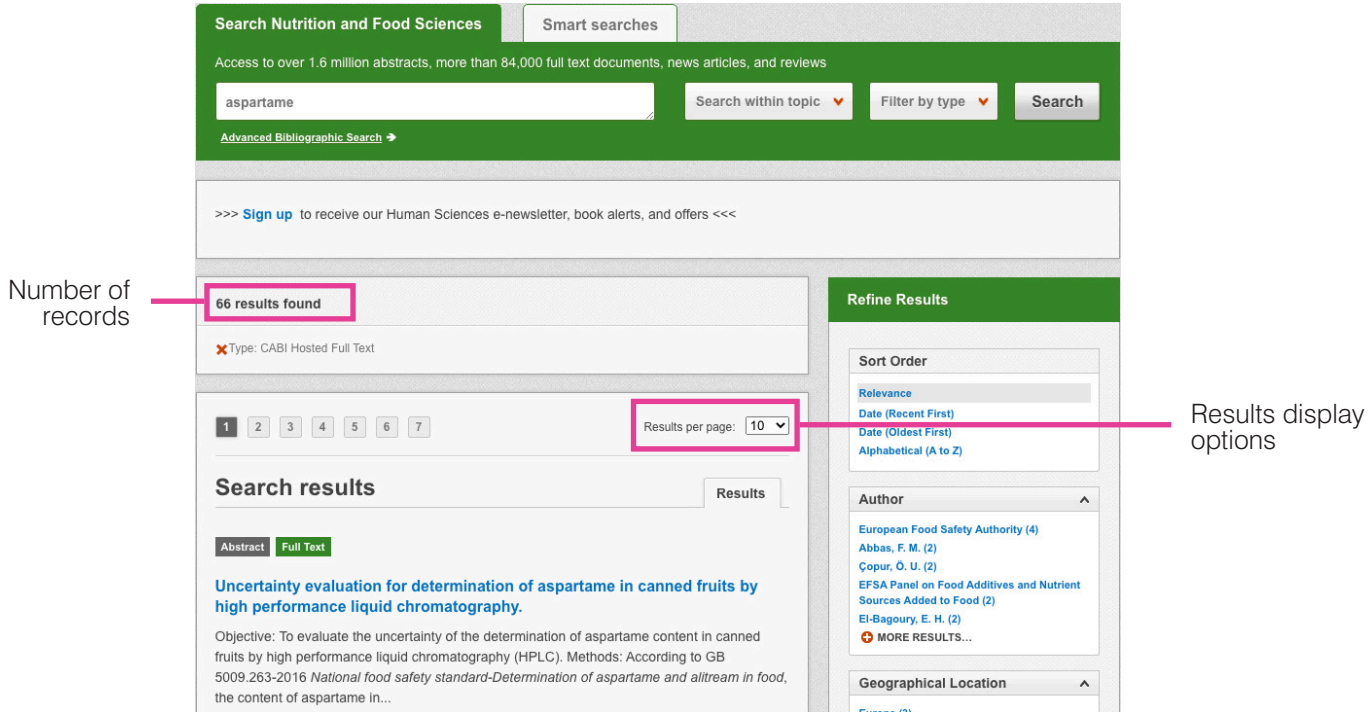
To conduct a filtered site search, enter your terms in to the box located in the search bar of the home page. Click on the filter options to the right of the search box and select the categories you would like to limit the search to. The checkbox indicates which categories have been selected. The image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



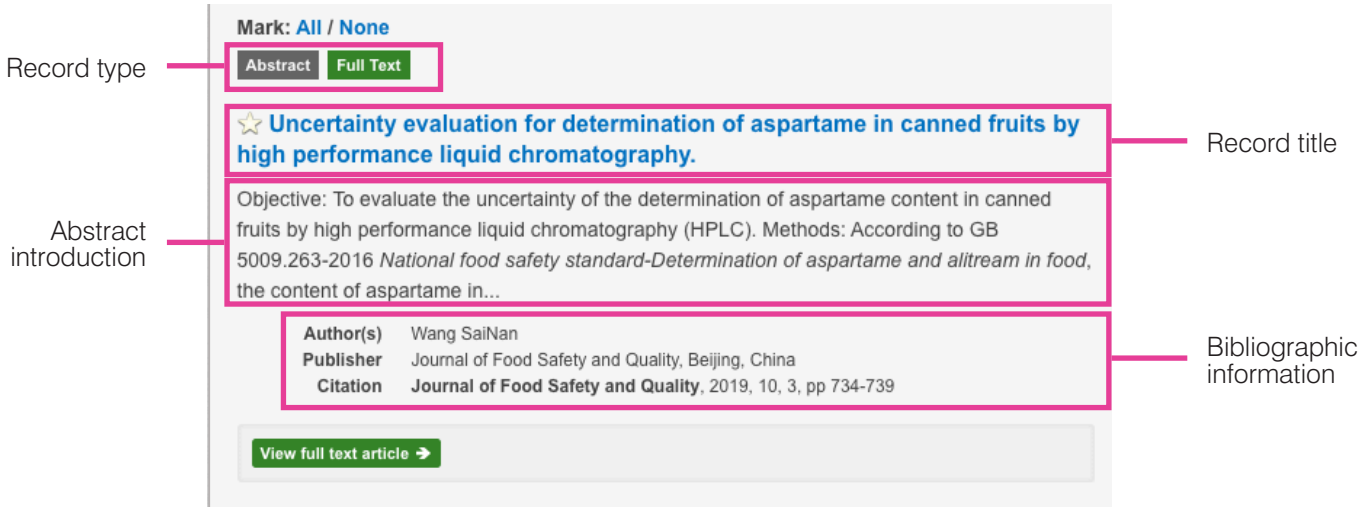


Viewing search results

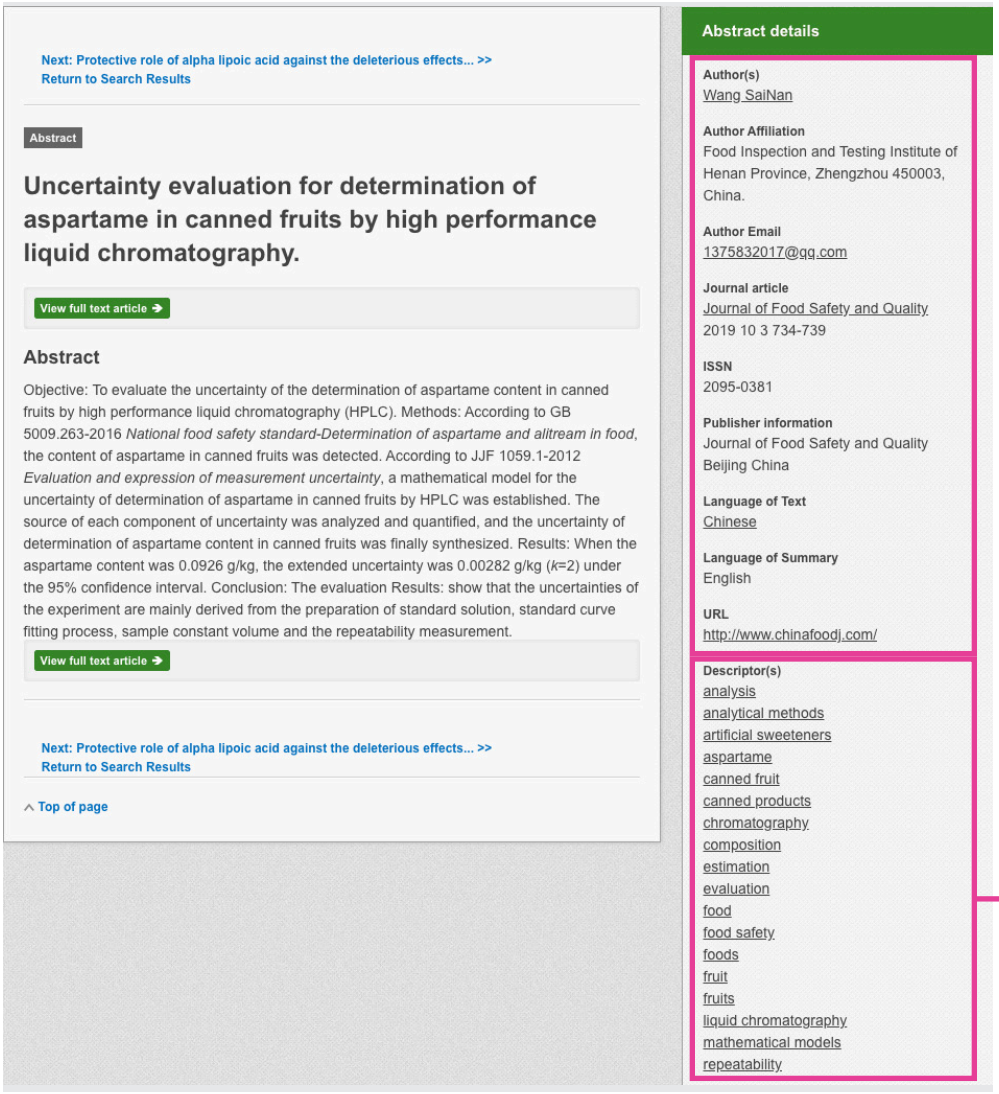
The returned results will be displayed on the search results page as shown below. The figure below the search box indicates the number of returned results from your search string query. Below this will show any filtered categories that were selected for the search. To remove the filters simply click the X next to the filtered term. The search results are displayed in the box below and can be ordered by most recently indexed or relevance, using the 'Sort Order' box on the right-hand side. 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 below is 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, a button is displayed which gives access to the full text article.

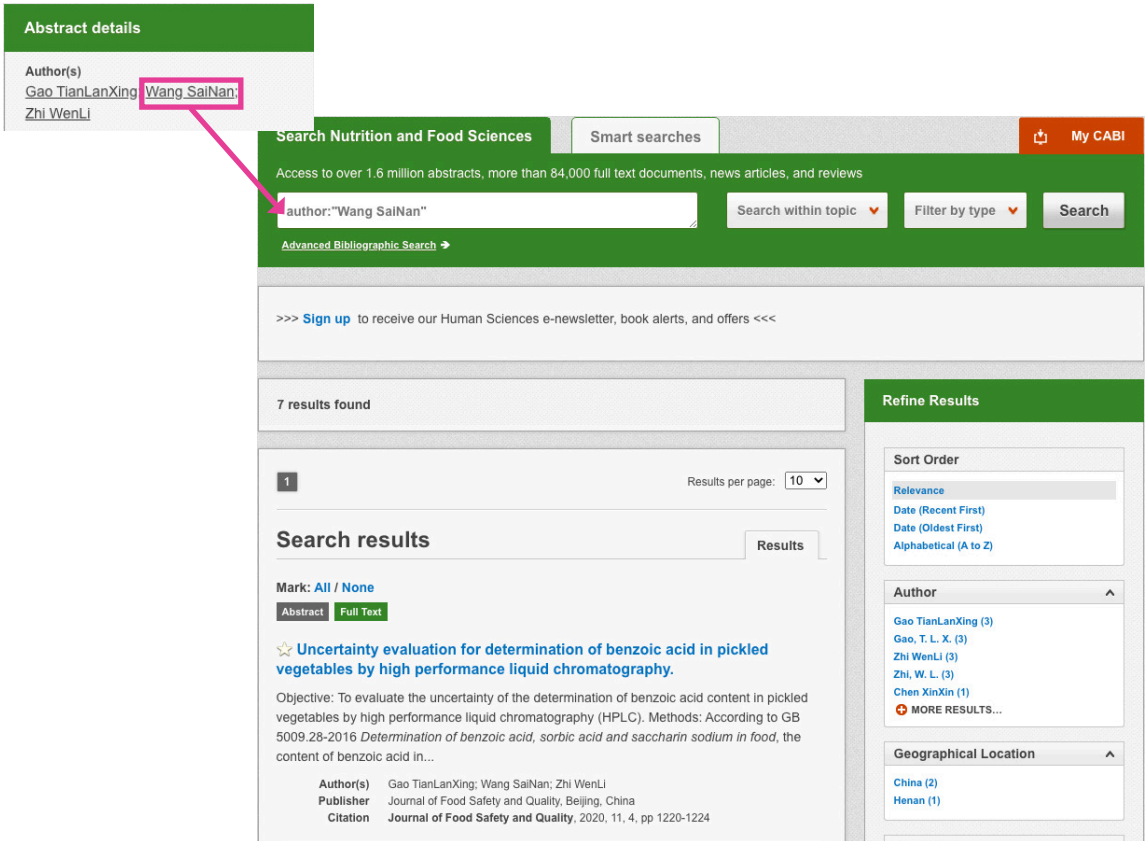


When clicked, the article title will take you to the record page listing the full bibliographic details of the record, as shown below.



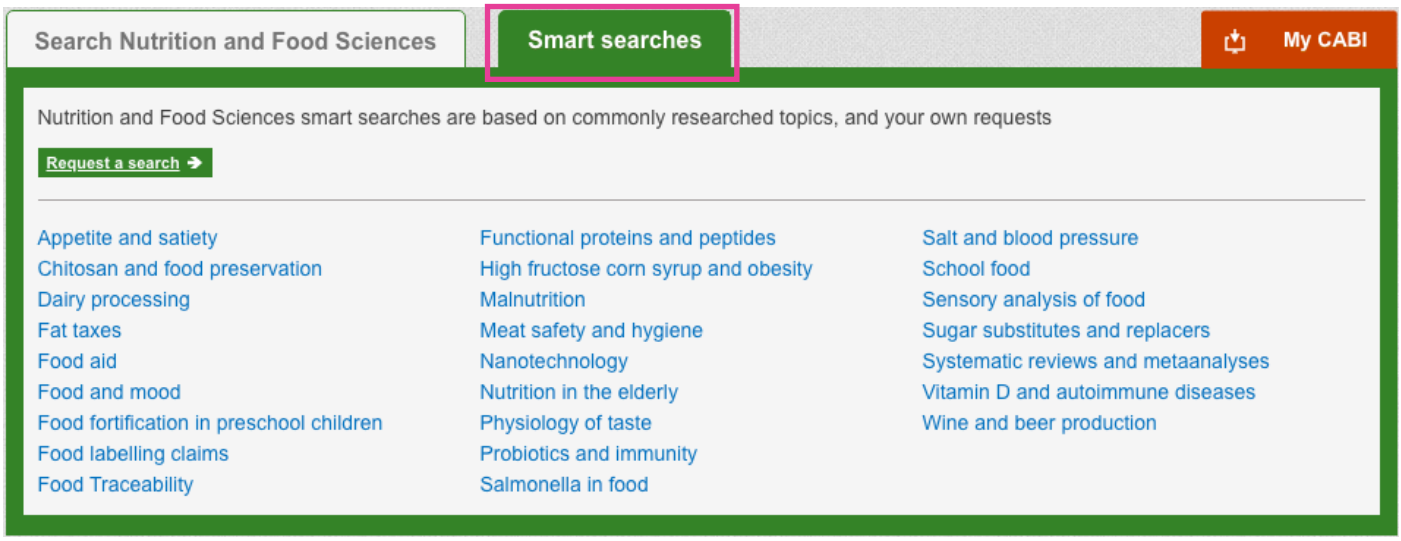
As well as the full abstract, the page will also include the full bibliographic information and indexing keywords that were assigned to the record during the indexing process. This can be found under the ‘Abstract details’ panel on the right of the page.

All these terms are hyperlinks which will take you directly to a search result for that term. The example below shows a section of the Abstract details pane. In this example we have clicked on the author name on the right-hand side. This has performed a site search which has returned all records this author has contributed to.

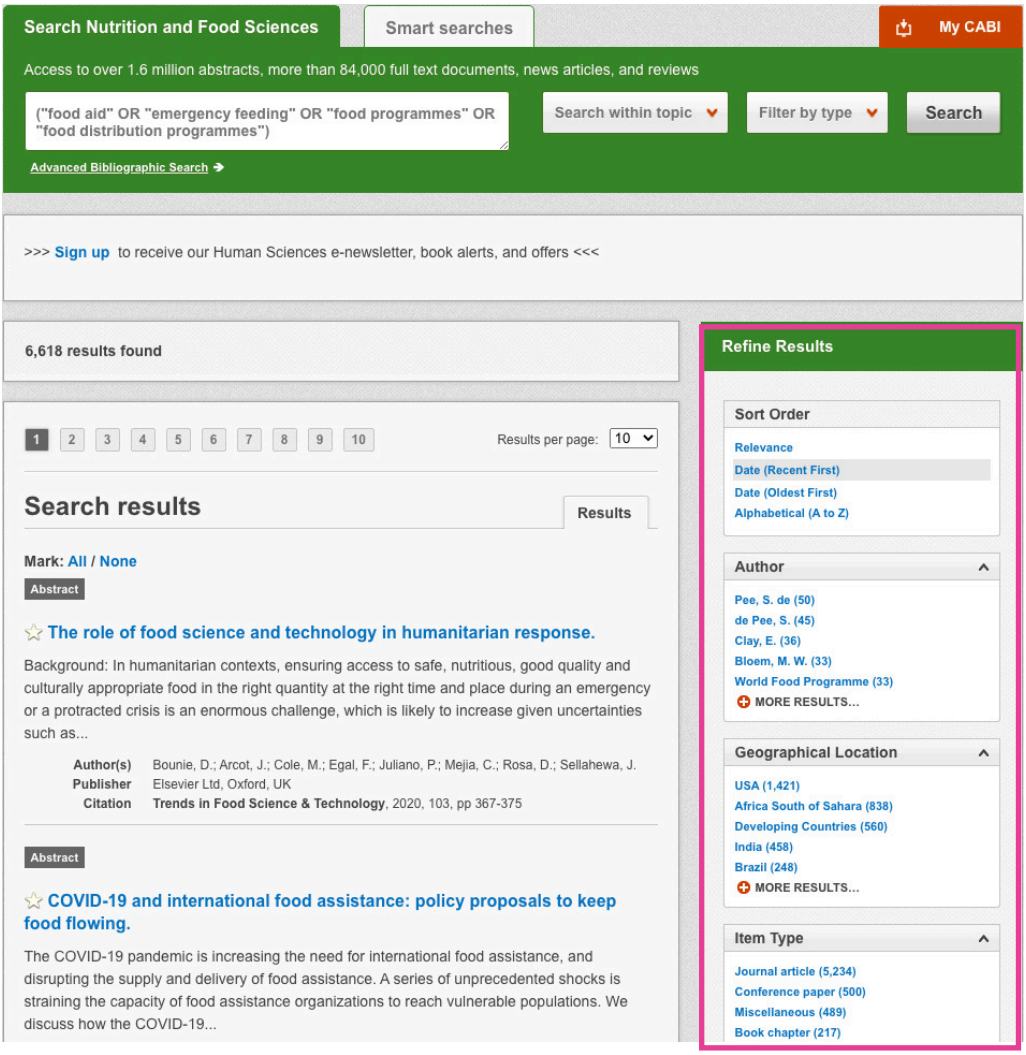


Smart Searches

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 these, click on the 'Smart searches' tab above the search bar as shown below:



This will show you a list of smart searches that are available. To conduct the smart search, click on the topic of your choice. The screenshot below shows you the results for the smart search “Food aid”.



To narrow results further you can either use the ’Refine Results’ 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 NFSD 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 CAB Direct 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: de: “protein”

Multiple word search: de: “protein efficiency ratio” OR PER

Searching with perentheses: de: (“protein efficiency ratio” OR PER) AND whey

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 five 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: "Ovis aries"
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: "mass spectrometry"
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: spectrometry
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, except for common livestock species. 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. NFSD 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 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
Title	title:	English title Foreign title	Title: “sugar substitute”
Author	author:	Personal author Author variant Additional author Document editor Corporate author	Author: “Zollner”

The third super index is called the subject index. It is used when searching for the indexing terms or metadata 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 Identifer	Subject: sugar

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 Direct database into 23 major sections. Each section then includes a series of codes that divides that subject into more specific topics. The codes are typically used for subjects that would be difficult to describe with keywords alone. Below are a selection of the CABICODES for food sciences and their associated topic areas.

For a full list of CABICODES and their topic areas, visit the **CABICODE list**.

QQ000 Food Science and Food Products

QQ010 Milk and Dairy Produce

QQ020 Sugar and Sugar Products QQ030 Meat Produce

QQ040 Eggs and Egg Products

QQ050 Crop Produce

QQ060 Aquatic Produce

QQ070 Other Produce

QQ100 Food Processing (General)

QQ110 Food Storage and Preservation

QQ111 Storage Problems and Pests of Food

QQ120 Microbial Technology in Food

Processing

QQ130 Food Additives

QQ200 Food Contamination, Residues and **Toxicology**

QQ500 Food Composition and Quality

QQ600 Food Chemistry (New June 2002)

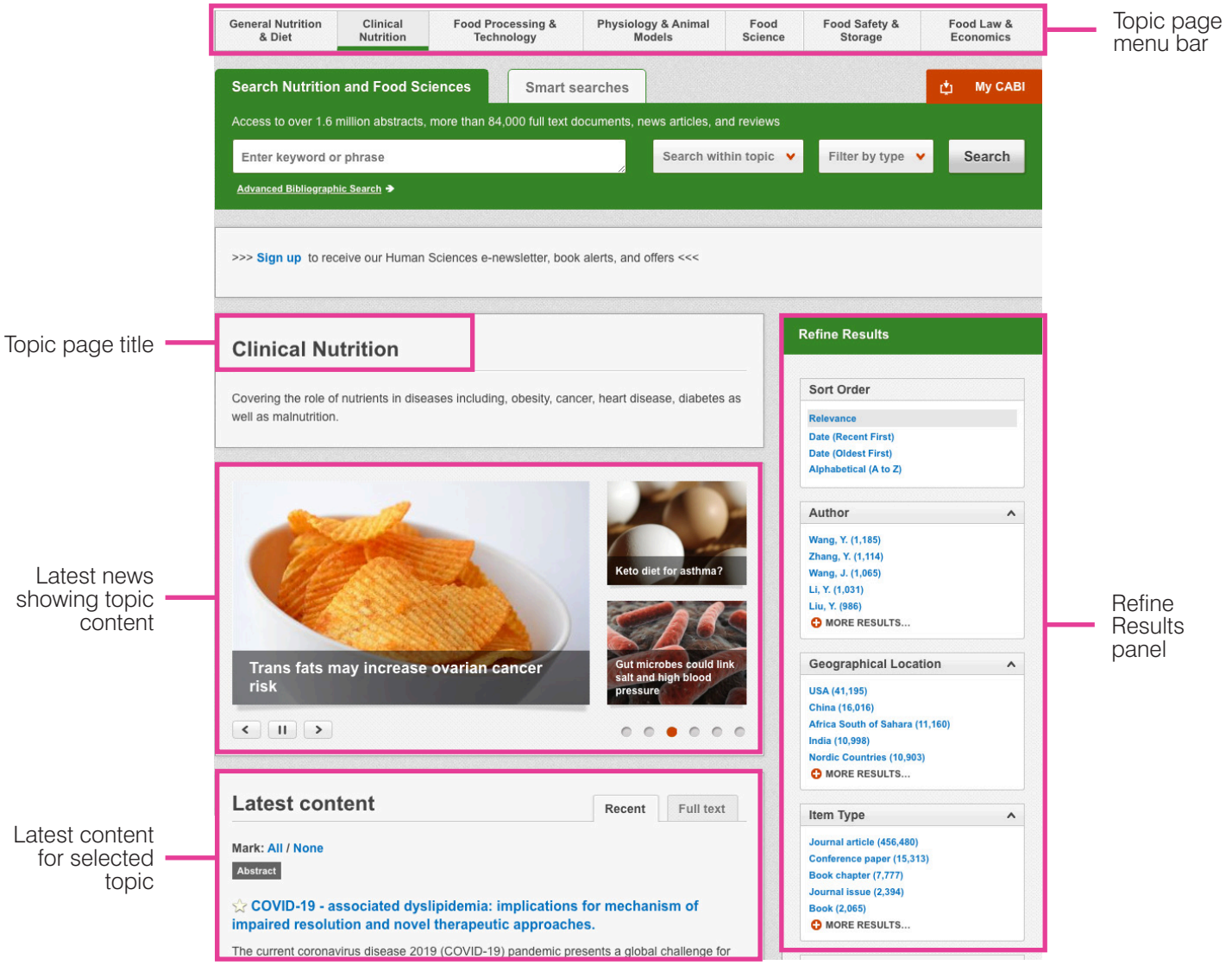
QQ700 Food Service (New June 2002)

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 with other field tags, CABICODES must be entered in lowercase.

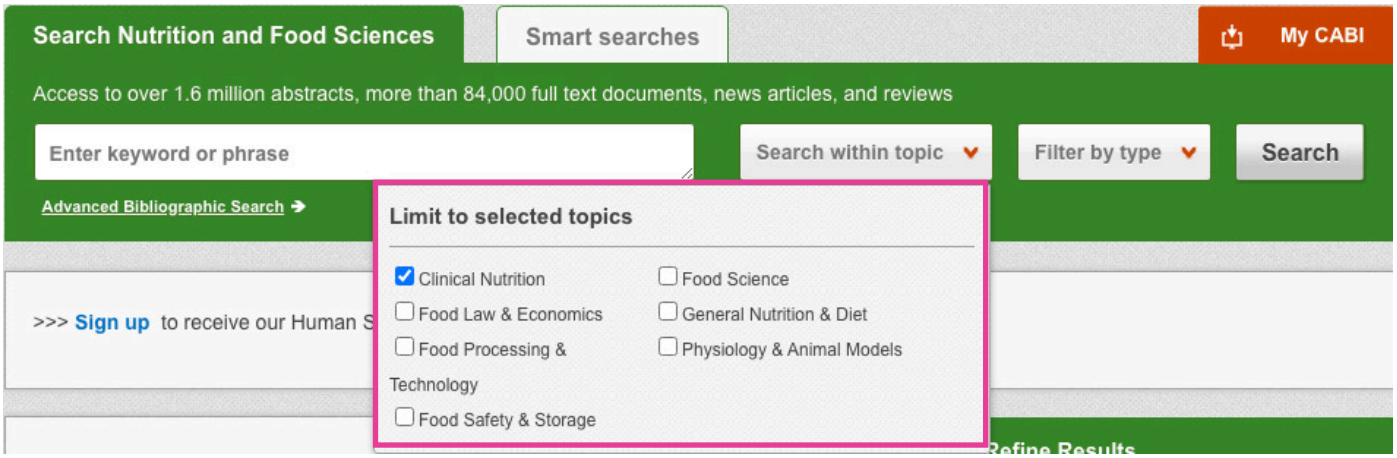
Field tag	Definition	Example
cc:	Allows users to search the index of the alphanumerical assigned code e.g. QQ700	**cc:UU700**
cabicode:	Allows users to search both the alphanumerical assigned code index as above and the CABI code title index e.g. "food service"	**cabicode:QQ700 or** **cabicode: "food service"**

Topic pages

Topic pages enable you to focus your search on specific areas of Nutrition and Food Sciences Database. 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, such as Clinical Nutrition, in this example. Therefore, the news carousel and the latest content section on the Clinical Nutrition topic page will only show recent articles that refer to clinical nutrition. The green underline in the horizontal topic page menu and the page title indicate which topic page you are currently viewing.



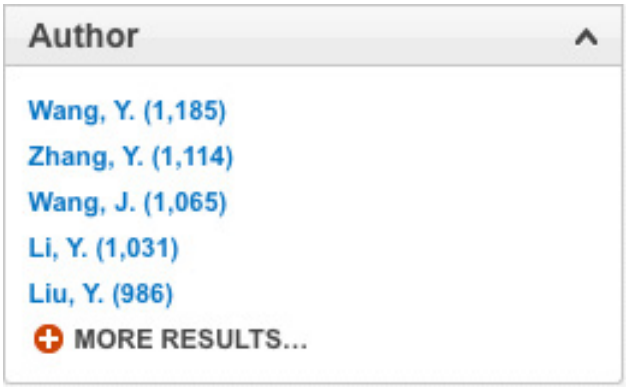
When conducting a search from a topic page, the relevant option is automatically selected from the topic filter section as shown below. This means that any search conducted from the topic page will limit searches to only content relating to that subject.



Refine options

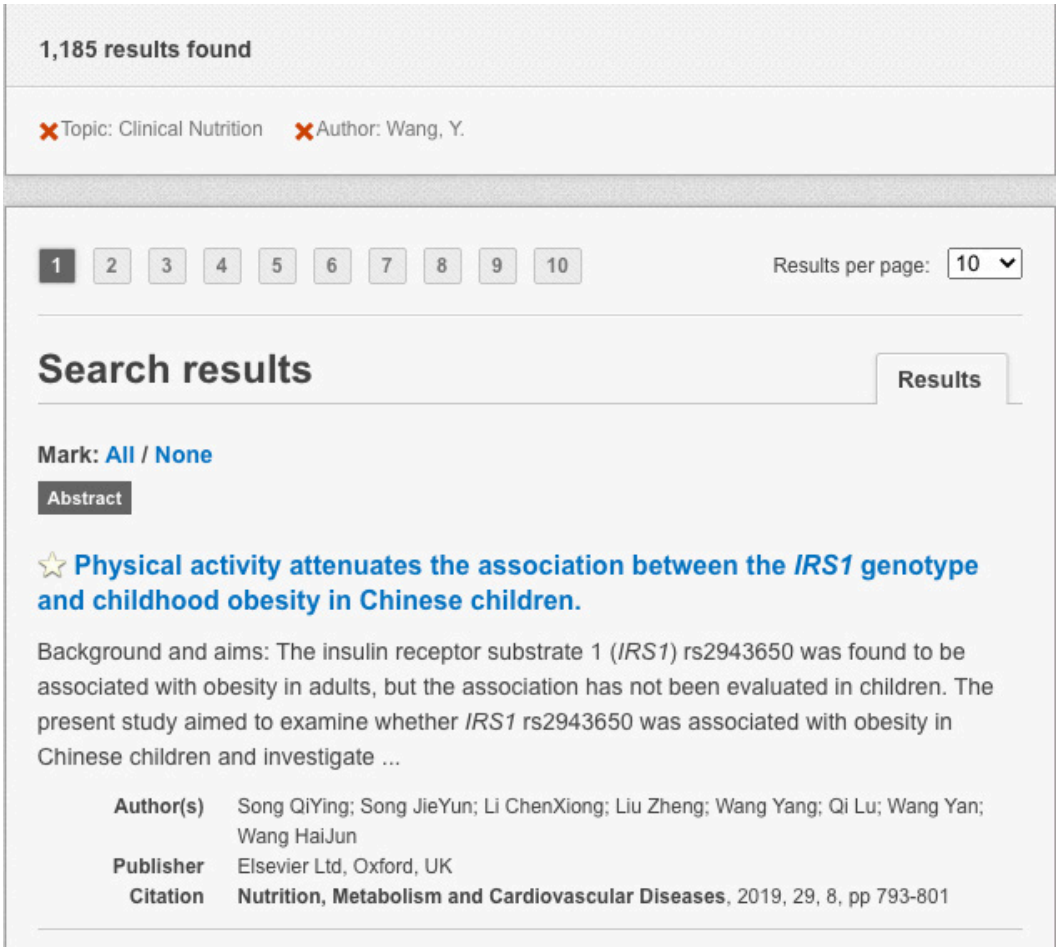
On the right-hand side of the topic page there is a 'Refine Results' panel. 'Sort Order' allows you to organise the display of the results alphabetically or by date or relevancy. The 'Refine Results' panel also allows users to refine content even further using the following index fields:

- Author
- Geographical 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 'up arrow' in the field box header. Blue text indicates the keyword and the bracketed number indicates the number of records associated with it.

Clicking on a blue keyword conducts a search on that keyword, the associated field. For example, below we can see that by clicking on the author '**Wang, Y**' listed in the author field box, a filtered search is generated limiting results to that author. This is displayed in the filter display at the top of the results page.



My CABI

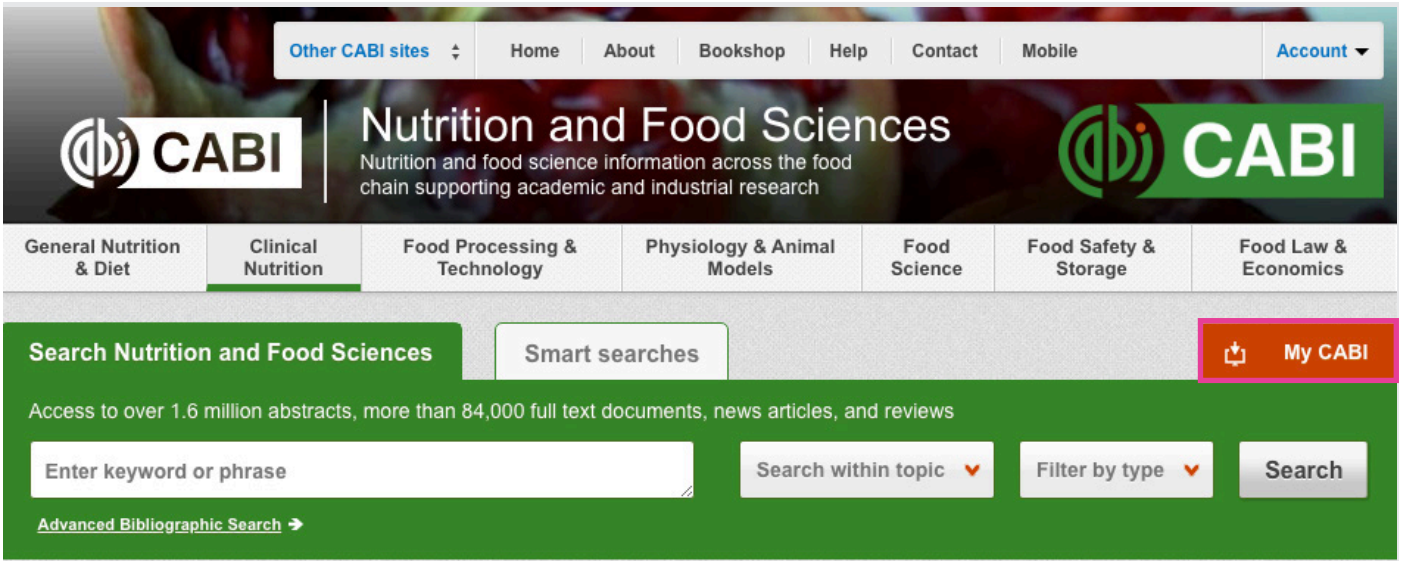
The My CABI feature improves search functionality for users allowing them to:

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

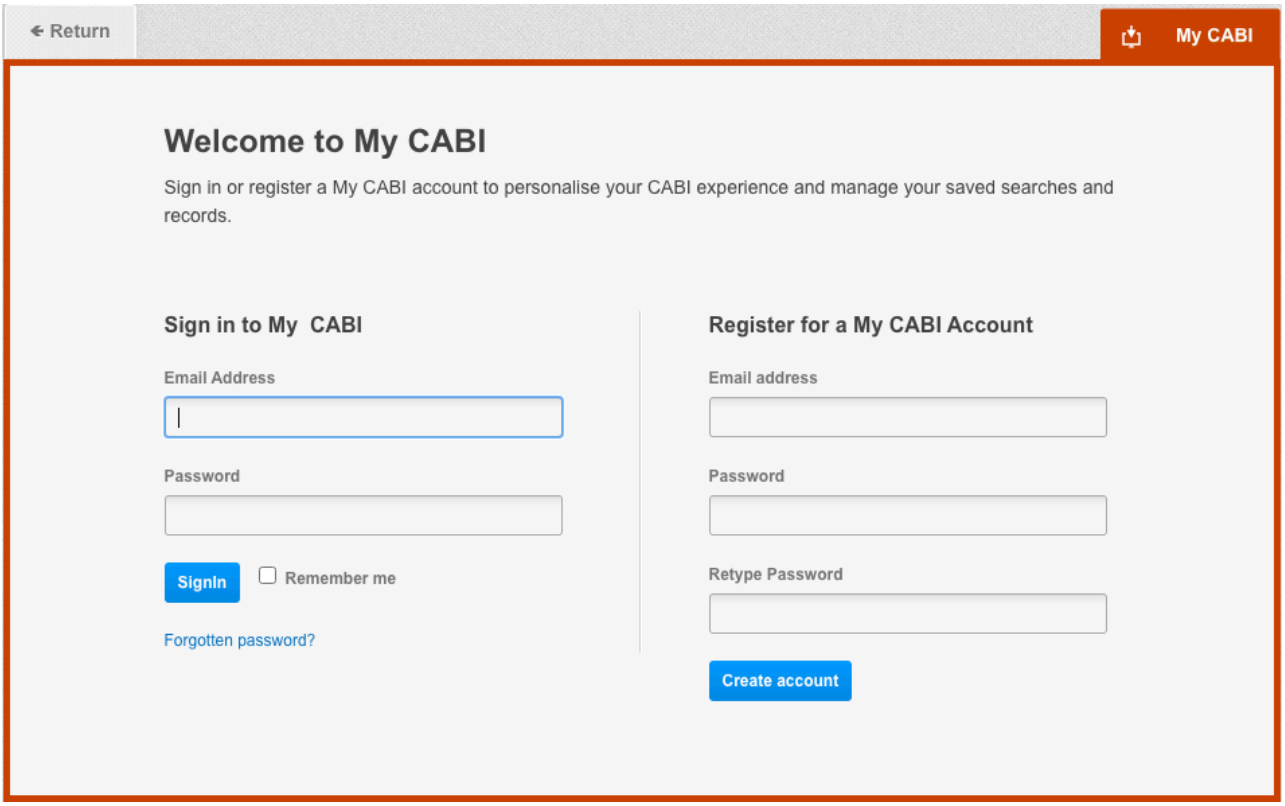
To gain the full functionality of My CABI and for the system to record and recall your searching activity you must be signed in. It is therefore recommended that you sign in to My CABI at the beginning of all your search sessions on NFSD.

Creating a My CABI account

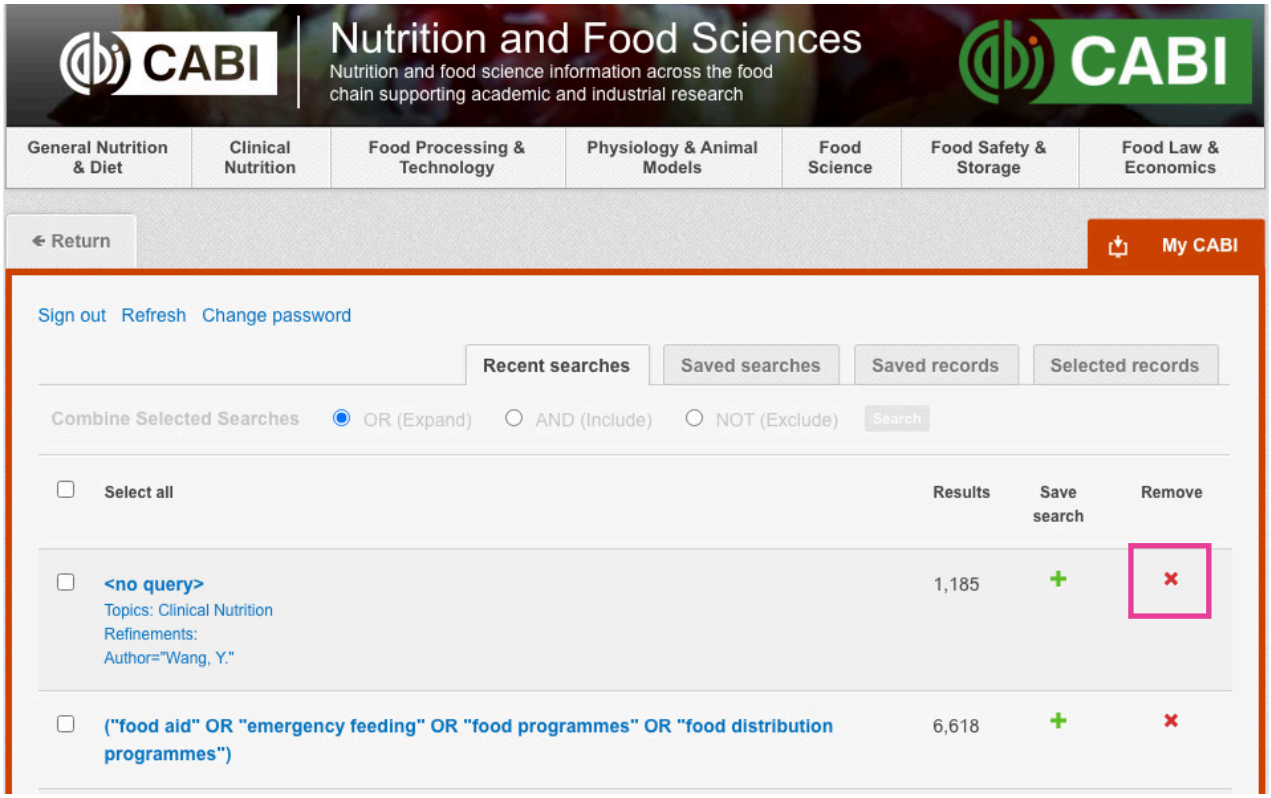
Before you can access the features of My CABI you first need to create an account. Click on the 'My CABI' button in the top-right hand corner of the search box as shown below:



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



The image below shows the My CABI page. At the top of the display box are different tabs to display the different types of search activities. By default, the display automatically shows your recent searches. 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 the remove button on the right.

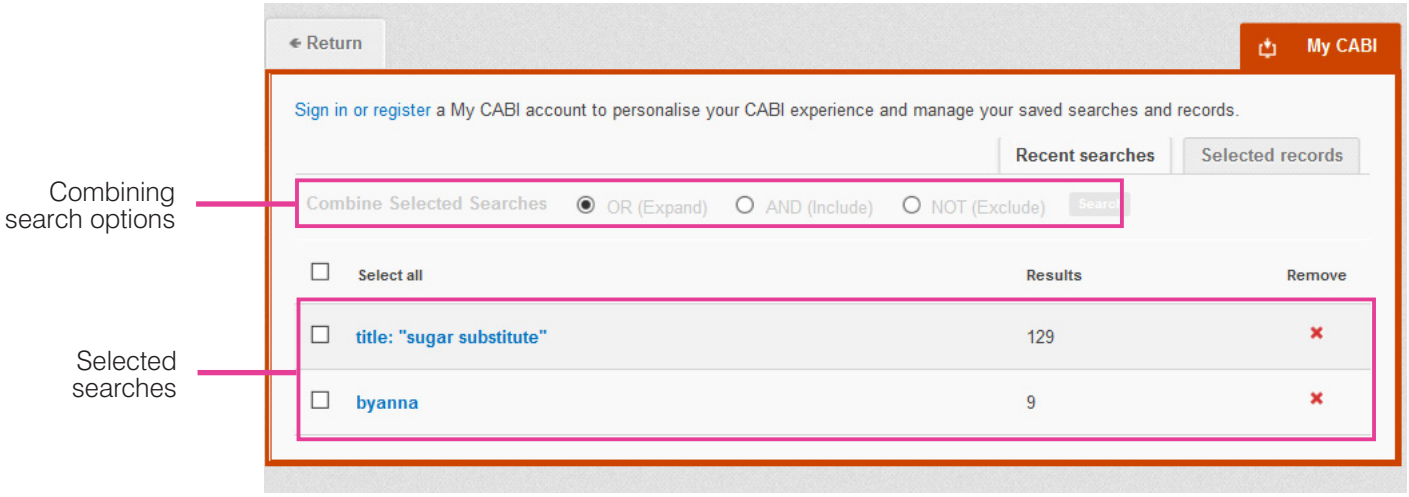


Combining searches

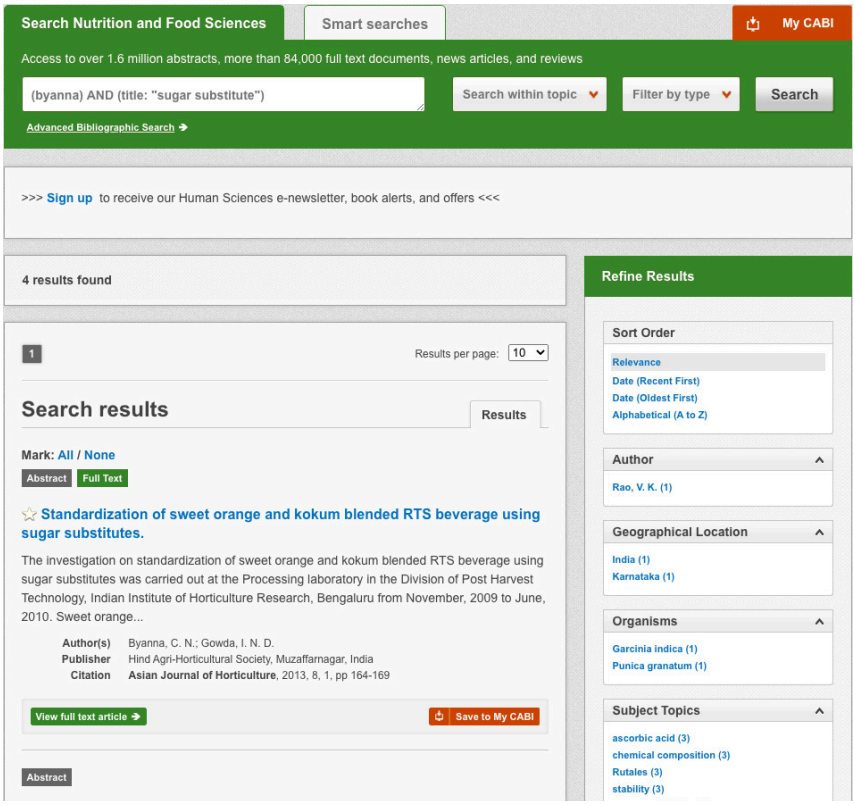
Combined searches are a useful tool when compiling long and complex search strings which contain multiple Boolean operators and parentheses. To simplify the process and minimise the chance of input errors, this function allows the user to perform two or more separate searches and combine them with either 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.

Any filters used during the searches as explained previously are displayed underneath the search string.

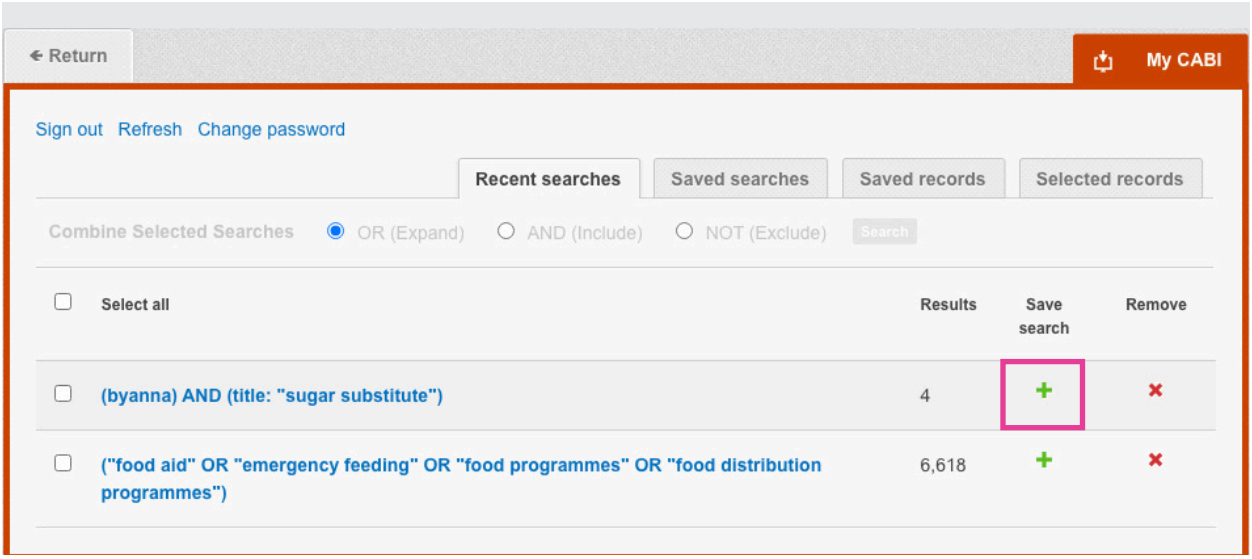


Once your options have been selected perform the search by clicking the 'Search' button. This will conduct the search and direct you to the results page as shown below. You can see that the search string of the two combined searches is displayed in the search box. By combining this search with the AND operator we have limited the results further to only return 4 records.

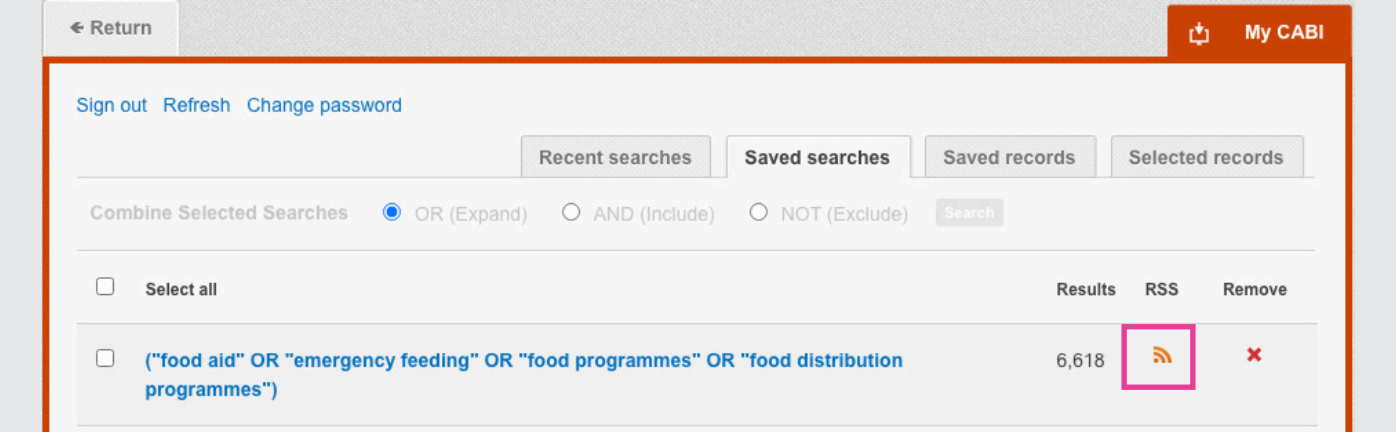


Saving searches and creating alerts

For searches conducted on a regular basis, you can save searches for future reference in My CABI. To save a search visit the 'Recent searches' tab on My CABI and click on the save search button.

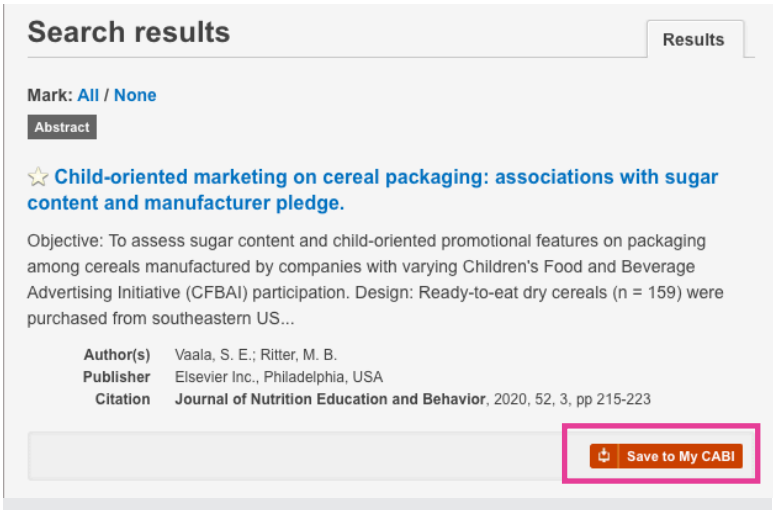


To view your saved searches click on the 'Saved searches' tab. This allows you to conduct a saved search by clicking on the blue search string displayed. For each saved search there is also an option to set up an RSS feed which automatically notifies you when new records relating to that search string are added to the NFSD site. These notifications can be viewed through RSS readers such as Microsoft Outlook and Feedly. To find out more about RSS and how to set up 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.



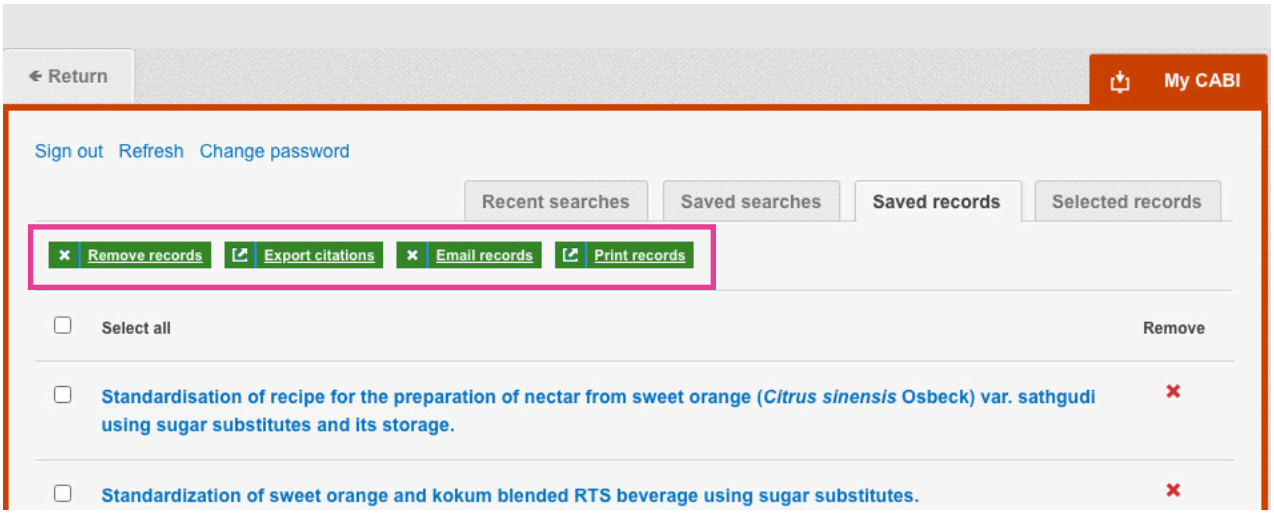
Saving and exporting records

My CABI 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 My CABI before conducting searches. When you have signed in and carried out a search, each record in the displayed results will have a 'Save to My CABI' button on the bottom right of the record. Click this button to save the record.



To view your saved records, go to My CABI and 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 'X' button. To delete multiple records select the checkboxes next to the records and click the 'Remove records' button as shown below.

Citations can also be exported to reference management software in an RIS file format. To export citations, select the records you would like to be included in the reference list using the checkboxes and click the 'Export citations' button as shown below. You can also email or print records.



Appendix A: Search techniques

Search technique	Example	Description	Function	Reason to use
Single word search	salt	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	salt OR sodium	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	salt AND "blood pressure"	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	(salt OR sodium) AND "blood pressure"	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	(salt* OR sodium) AND "blood pressure"	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