CAB ABSTRACTS

Date revised: March 16, 2026

Global research for agriculture and the applied life sciences

Overview

CAB ABSTRACTS, produced by CABI, is the leading bibliographic database for agriculture and the applied life sciences. It provides comprehensive coverage of international research across agriculture, environmental science, veterinary medicine, food science, and human nutrition.

The database provides citations and abstracts from more than 9,000 serial journals, as well as books, conference proceedings, reports, theses, and other specialist literature. Its strong international scope ensures access to research from both developed and developing regions, supporting evidence-based decision making in agriculture, food systems, environmental management, and global health.

Subject Coverage

CAB ABSTRACTS covers every branch of the applied life sciences, including:

- Agricultural biotechnology
- Agricultural economics and rural sociology
- Agricultural engineering
- Animal health and veterinary medicine
- Animal production and genetics
- Crop production and crop protection
- Dairy science
- Environmental conservation and degradation
- Forestry
- Genetic resources
- Horticulture
- Human nutrition and diet-related disorders
- Human parasitic diseases
- Leisure, recreation, and tourism
- Plant breeding and genetics
- Postharvest science
- Rural development
- Soil science
- Sugar industry

Use CAB ABSTRACTS to answer both broad and specific questions like:

- What are the effects on the environment of intensive agricultural systems?
- How has deforestation affected ecosystems in the Amazon basin?
- What is the impact of chemical fertilizers and pesticides on groundwater and rivers?
- What is the susceptibility of farmed ostriches to avian influenza?

Key Statistics

- 13+ million bibliographic records covering applied life sciences research
- 1910–present coverage, providing over a century of scientific literature
- 10,000+ journals and other publications indexed by subject experts
- 120+ countries represented in the database
- 50 languages, with English abstracts for most records
- 150,000–350,000 new records added each year
- Weekly updates to ensure the latest research is available
- Comprehensive Subject Coverage

Date Coverage

1910 – present

The following date ranges are also available separately:
1910 – 1931
1932 – 1972
1973 – present

Update Frequency

Weekly

Geographical Coverage

International

Document Types Included

- Journal articles
- Books and monographs
- Conference papers and proceedings
- Technical and annual reports
- Theses and dissertations
- Bibliographies
- Patents

Powerful Discovery Tools

- CAB Thesaurus – a comprehensive controlled vocabulary for precise subject searching
- Specialist subject indexing by expert editors
- Coverage of both peer-reviewed and grey literature
- Global research visibility across multiple disciplines

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CAB International,
Damian Bird, Head of Publishing Operations
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Sample document

ProQuest Dialog DataStar

CAB ABSTRACTS

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TI

Caffeine prevents weight gain and cognitive impairment caused by a high-fat diet while elevating hippocampal BDNF.

AU,AUFN,AULN

Moy, G A; McNay, E C. **Physiology & Behavior** 109 (2013): 69-74.

PUB

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Abstract (summary) Translate

AB

Obesity, high-fat diets, and subsequent type 2 diabetes (T2DM) are associated with cognitive impairment. Moreover, T2DM increases the risk of Alzheimer's disease (AD) and leads to abnormal elevation of brain beta-amyloid levels, one of the hallmarks of AD. The psychoactive alkaloid caffeine has been shown to have therapeutic potential in AD but the central impact of caffeine has not been well-studied in the context of a high-fat diet. Here we investigated the impact of caffeine administration on metabolism and cognitive performance, both in control rats and in rats placed on a high-fat diet. The effects of caffeine were significant: caffeine both (i) prevented the weight-gain associated with the high-fat diet and (ii) prevented cognitive impairment. Caffeine did not alter hippocampal metabolism or insulin signaling, likely because the high-fat-fed animals did not develop full-blown diabetes; however, caffeine did prevent or reverse a decrease in hippocampal brain-derived neurotrophic factor (BDNF) seen in high-fat-fed animals. These data confirm that caffeine may serve as a neuroprotective agent against cognitive impairment caused by obesity and/or a high-fat diet. Increased hippocampal BDNF following caffeine administration could explain, at least in part, the effects of caffeine on cognition and metabolism.

Indexing (details) Cite

SU	**Subject**	Muridae; rodents; mammals; vertebrates; Chordata; animals; eukaryotes; animal models; caffeine; dietary fat; diets; hippocampus; metabolism; weight gain; rats
CC	**CABICODE**	VV140: Animal Models of Human Nutrition, VV400: Animal Models of Human Diseases (New March 2000)
SUBST,RN	**Substance**	58-08-2
IF	**Identifier (keyword)**	cognitive impairment, source fat
TI	**Title**	Caffeine prevents weight gain and cognitive impairment caused by a high-fat diet while elevating hippocampal BDNF.
AU	**Author**	Moy, G A; McNay, E C
AF	**Correspondence author**	Moy, G A University at Albany, Albany, NY 12222, USA. emcnay@albany.edu

LA	Language	English
SL	Language of abstract	English
DTYPE	Document type	Journal article
PUB	Publication title	Physiology & Behavior
VO	Volume	109
PG	Pagination	69-74
ISSN	ISSN	0031-9384
PSTYPE	Publication type	Journal article
PB	Publisher	Elsevier
PBLOC	Publisher location	New York, USA
DOI	DOI	http://dx.doi.org/10.1016/j.physbeh.2012.11.008
URL	URL	http://www.sciencedirect.com/science/article/pii/S0031938412004039
PD	Publication date	2013
DCRE	Date created	2013-02-13
	Source attribution	CAB Abstracts, © Publisher specific
AN	Accession number	20133055980
	Document URL	http://search.proquest.com/professional/docview/1288593440?accountid=137296
	Copyright	©2013 CAB International
FAV	First available	2013-02-19
UD	Updates	2013-02-19
	Database	CAB ABSTRACTS (1910 - current)

Search fields

Field Name	Field Code	Example	Description and Notes
Abstract	AB	ab("cognitive impairment*")	Use adjacency and/or Boolean operators to narrow search results.
Abstract present	ABANY	"type 2 diabetes" AND abany(yes)	Add: ***AND ABANY(YES)*** to a query to limit retrieval to records with abstracts.
Accession number	AN	an(20133055980)	A unique document identification number assigned by the information provider.
All fields	ALL	all(caffeine AND "high fat diet")	Searches all fields. Use adjacency and/or Boolean operators to narrow search results.
All fields + text	--	caffeine AND "high fat diet"	Same as ALL field code: searches all fields.
Author[1] **Author First Name** **Author Last Name**	**AU** **AUFN** **AULN**	**au(mcnay e c) or au(ribero, a*)** **aufn(mark) or aufn(m*)** **auln(taylor)**	Includes all authors.

Field Name	Field Code	Example	Description and Notes
First author	FAU	fau(moy, g a)	First name listed in Author field. It is included in Author browse, but its position cannot be specified in the Author browse.
Author affiliation	AF	af("university at Albany" AND ny)	Includes as much data as is available in the original document, such as department, organization, address, city, state, country, author email, etc.
CAS® Registry Number	RN	rn(58-08-2)	Also searchable with SUBST field code. Displays as part of "Substance".
Classification (CABICODES)	CC	cc(VV140) cc(animal models of human nutrition) cc(QQ*)	Broad subject categories, to be used in conjunction with descriptor terms. Use truncation for broader retrieval.
Conference information	CF	cf(hydrocolloids) cf("malaria and ecosystems")	Displays as part of Conference title field. May contain Conference name, location, year, etc.
Document title	TI	ti(Caffeine AND "cognitive impairment")	Includes the Title, Foreign Language Title, Alternate Title and Subtitle, when available.
Title only	TIO	tio("water resource*")	Searches only the Title, not Subtitle or Alternate Title.
Original title	OTI	oti(gatto and asma)	Includes Alternate Title, Subtitle, and Original language of document title, if available. Field code TI also searches the Alternate title.
Document type	DTYPE	dtype(article)	
First available	FAV	fav(2013-02-19) fav(<20160726)	Indicates the first time the document was loaded on PQD. It will not change regardless of how many times the record is subsequently reloaded, as long as the Accession Number does not change. Date range searching is supported.
From database[2]	FDB	pub(nutrition) AND fdb(CABABSTRACTS) pub(nutrition) AND fdb(10000129)	Useful in multi-file searches to isolate records from a single file. FDB cannot be searched on its own; specify at least one search term then AND it with FDB.
Interntaional Standard Serial Number	ISSN	issn(0031-9384)	
Issue	ISS	iss(2)	Also searchable via the Look Up Citation tool.
Identifier (keyword)	IF	if("source fat") If(crop* NEAR/2 rotation)	Uncontrolled subject terms.

Field Name	Field Code	Example	Description and Notes
Language	LA	la(english)	The language in which the document was originally published.
Location	LOC	loc(malaysia) loc(south east asia)	
Pagination	PG	pg(101) pg(69-74)	The start page is also searchable on the Look Up Citation tool.
Publication date	PD	pd(2013) pd(2008-2011) pd(>2009)	Date range searching is supported.
Publication title[1]	PUB	pub("Physiology & behavior")	Title of publication where document originally appears.
Publication type	PSTYPE	pstype(thesis)	
Publication year	YR	yr(2013) yr(2009-2011) yr(>2012)	Date range searching is supported.
Publisher	PB	pb(Elsevier)	Publisher name, address, and sometimes URLs or availability information.
Publisher location	PBLOC	pbloc("New York")	
Subject[1]	SU	su(hippocampus)	Controlled subject terms. SU also searches the uncontrolled terms in Identifiers (IF).
Substance	SUBST	subst(58-08-2)	One or more CAS Registry numbers are included in articles referring to chemicals. Searchable with both SUBST and RN.
Taxonomic term	TXTERM	txterm(vitis vinifera)	Taxonomic terms are displayed with the other controlled subject terms in Subject.
Updated	UD	ud(2013-02-19) ud(>20161231)	The date(s) the record was loaded as a result of an update provided by the supplier. Date range searching is supported.
URL	URL	url(cabdirect)	A link to an alternative form of the record. This could be a full-text link, or a linkt to a bibliographic citation on the publisher's own website. See also Notes below.

Field Name	Field Code	Example	Description and Notes
Volume	VO	vo(109)	Also searchable via the Look Up Citation tool.

[1] A Lookup/Browse feature is available for this field in the Advanced Search dropdown or in Browse fields.
[2] Click the "Field codes" hyperlink at the top right of the Advanced Search page. Click "Search syntax and field codes", then click on "FDB command" to get a list of database names and codes that can be searched with FDB.

Search tools

Field codes are used to search document fields, as shown in the sample document. Field codes may be used in searches entered on the **Basic Search**, **Advanced Search**, and **Command Line** search pages. **Limit options**, **Look up lists**, and **"Narrow results by" filters** tools are available for searching. Some data can be searched using more than one tool.

Limit options

Limit options are quick and easy ways of searching common concepts. Check boxes are available for:

Abstract included

Short lists of choices are available for:

Classification , Document type, Language

Date limiters are available in which you can select single dates or ranges for date of **publication** and **updated.**

Browse fields

You can browse the contents of certain fields by using Look Up lists. These are particularly useful to validate spellings or the presence of specific data. Terms found in the course of browsing may be selected and automatically added to the Advanced Search form. Look Up lists are available in the fields drop-down for:

Author, Publication title, Subject

Thesaurus

CAB ABSTRACTS Thesaurus is available by clicking on the "Thesaurus" hyperlink on the right side of the Advanced and the Command Line search pages. Thesaurus terms may be searched within the thesaurus, then selected to be added automatically to the search form.

"Narrow Results By" filters

When results of a search are presented, the results display is accompanied by a list of "Narrow results by" options shown on the right-hand panel. Click on any of these options and you will see a ranked list showing the most frequently occurring terms in your results. Click on term(s) to include or exclude and apply them to ("narrow") your search results. "Narrow results by" filters in CAB ABSTRACTS include:

Author, Document Type, Language, Publication Title, Subject, and Publication Date

Look up citation

If you need to trace a particular bibliographic reference, use the Look Up Citation feature. Find a link to this toward the top left-hand corner of the Advanced Search page, or in the drop list under Advanced on any search form; click this and you will go to a form where you can enter any known details of the citation, including document title, author, journal name, volume, issue, page, publication date, ISSN.

Notes

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Brief citation	Complete record minus Abstract and Indexing	ü	ü
Citation / Abstract	Complete record	ü[1]	ü
Full text	Complete record with full text	ü[1]	ü
Full text PDF	PDF version of the original article	ü[1]	
Custom	Choose the fields you want.		ü[2]

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