CABA

Subject Coverage

- Agriculture
- Agricultural chemicals (fertilizers, pesticides, and veterinary pharmaceuticals)
- Agricultural economics and trade
- Animal sciences and production
- Biotechnology
- Buildings and machinery
- Crop protection
- Crop sciences and production
- Developing countries (rural development and sociology)
- Engineering
- Environment
- Food science and technology
- Forestry
- Forest products (processing of pulp, lumber, chemicals, resins, and other wood products)
- Genetics
- Human medicine (fungal, parasitic diseases and diseases caused or transmitted by insects)
- Human nutrition
- Soils and fertilizers
- Tourism, leisure, and recreation
- Veterinary medicine

File Type

Bibliographic

Features

Thesaurus	Controlled Term (/CT), Geographic Term (/GT), Organism Name (/ORGN)		
Alerts (SDIs)	Weekly or Monthly (Weekly is the default)		
CAS Registry Number® Identifiers	☑		
Keep & Share	☑	SLART	☑

Record Content

- Records contain bibliographic information, abstracts, and indexing information, including CAS Registry Numbers®.

File Size

More than 12 million records (06/2024)

Coverage

1973-present

Updates

Updated weekly

Language

English

Database Producer

CAB International
Nosworthy Way, Wallingford
Oxon, OX10 8DE, UK
Phone: +44 1491 832111
Email: c.ison@cabi.org
Copyright Holder

Sources

- Over 9,000 serial journals in over 50 languages
- Annual reports
- General reports
- Books
- Handbooks
- Bulletins
- Review journals
- Symposia
- Conference proceedings
- Newsletters
- Discussion papers
- Theses

User Aids

- CAB Thesaurus *
- Subject Codes List *
- Cabi Codes *
- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

* available from the producer

Cluster

- AGRICULTURE
- ALLBIB
- AUTHORS
- BIOSCIENCE
- CASRNS
- CHEMISTRY
- CORPSOURCE
- ENVIRONMENT
- FOOD
- FORMULATIONS
- NPS
- TOXICOLOGY

STN Database Cluster information:
https://www.cas.org/support/training/stn/database-clusters

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the title (TI), controlled term (CT), supplementary term (ST), broader term (BT), abstract (AB), organism name (ORGN), and geographic term (GT) fields, as well as CAS Registry Numbers®)	None or /BI	S SUSTAINED RELEASE S MOSQUITO? (S) CONTROL? S 57-92-1 S ?TICIDE?	AB, BT, CT, GT, ORGN, RN, ST, TI
Abstract*	/AB	S ?PLASMA?/AB	AB
Accession Number	/AN	S 2008:100006/AN	AN
Author	/AU	S RAO A S/AU	AU
Broader Term	/BT	S INSULASPIS/BT S “GENEA (FUNGI)“/BT	BT
Classification Code (code and text) **(1)**	/CC	S HH100/CC S BIOLOGICAL CONTROL/CC	CC
Controlled Term **(2)**	/CT	S BACTERIAL INSECTICIDES/CT S CABLES+ALL/CT	CT
Controlled Word	/CW	S INSECTICIDES/CW	BT, CT
Corporate Source **(1)**	/CS	S BHABHA/CS S BHABHA RES CENT/CS	CS
Country of Publication (ISO code and text)	/CY	S INDIA/CY S IN/CY	CY
Digital Object Identifier	/FTDOI	S HTTPS://DOI.ORG/10.9787/KJBS?/FTDOI	FTDOI, SO
Document Number	/DN	S 20053076514/DN	DN
Document Type (code and text)	/DT (or /TC)	S C/DT S CONFERENCE/DT	DT
E-mail Address **(1)**	/EML	S RUCAR@IAPAR.BR/EML	EML, CS
Entry Date **(3)**	/ED	S ED> NOV 2010	ED, UP
Field Availability	/FA	S L2 AND AB/FA	FA
Geographic Term **(2)**	/GT	S UK/GT S UK+RT/GT	GT
International Standard (Document) Number (contains ISSN and ISBN)	/ISN	S 1-84593-116-5/ISN S 0285-2543/ISN	ISN, SO
Journal Title	/JT	S CURRENT SCIENCE INDIA/JT	JT, SO
Language (ISO code and text)	/LA	S ENGLISH/LA S EN/LA	LA
Meeting Title **(1)**	/MT	S CHEMISTRY A!D BIOLOGY?/MT	MT, SO
Organism Name **(2)**	/ORGN	S DIPTERA/ORGN S DIPYLIDIIDAE+NT/ORGN	ORGN
Publication Date **(3)**	/PD	S 20050000/PD	PD, PY, SO
Publication Year **(3)**	/PY	S PY=2010	PY, SO
Section Code	/SC	S 1C/SC	SC
Source (contains publication title, collation information (volume, issue, pagination, and number of references), publisher, meeting information, patent information, publication year, ISBN, and ISSN)	/SO	S CURRENT SCIENCE/SO S USSR PATENT/SO	SO

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Summary Language (ISO code and text)	/SL	S FRENCH/SL S FR/SL	SL
Supplementary Term **(1)**	/ST	S FORMULATION/ST	ST
Title*	/TI	S WORLD AGRICULTURAL TRADE/TI	TI
Universal Resource Locator **(1)**	/URL	S HTTP://WWW.PLANT?/URL	URL, SO
Update Date **(3)**	/UP	S L1 AND UP>MAY 2013	ED, UP

(1) Implied (S) proximity is available in this field.
(2) Thesaurus is available in this field.
(3) Numeric search field that may be searched with numeric operators or ranges.

Property Fields[1]

In CABA a numeric search for a specific set of physical properties (/PHP) is available within the abstract and title fields. The numeric values are not displayed as single fields, but highlighted within the hit displays.

EXPAND in the /PHP field to search for all available physical properties. A search with the respective field codes will be carried out in the abstract and title fields. The /PHP index contains a complete list of codes and related text for all physical properties available for numeric search.

Field Code	Property	Unit	Symbol	Search Examples
/AOS	Amount of substance	Mol	mol	S 10 /AOS
/BIR	Bit Rate	Bit/Second	bit/s	S 8000-10000/BIR
/BIT	Stored Information	Bit	Bit	S BIT > 3 MEGABIT
/CAP	Capacitance	Farad	F	S 1-10 MF/CAP
/CATA	Catalytic Activity	Katal	kat	S 1-10/CATA
/CDN	Current Density	Ampere/Square Meter	A/m^2	S CDN>10 A/M**2
/CMOL	Molarity, Molar Concentration	Mol/Liter	mol/L	S UREA/BI (S) 8/CMOL
/CON	Conductance	Siemens	S	S 1S-3/CON
/DB	Decibel	Decibel	dB	S DB>50
/DEG	Degree	Degree	°	S CYLINDER/BI (S) 45/DEG
/DEN (/C)	Density (Mass Concentration	Kilogram/Cubic Meter	kg/m^3	S 5E-3-10E-3/DEN
/DEQ	Dose Equivalent	Sievert	Sv	S 100/DEQ
/DOA	Dosage	Milligram/Kilogram/Day	mg/kg/day	S 100-300/DOA
/DOS (/LD50)	Dose	Milligram/Kilogram	mg/kg	S DOS>0.8
/DV	Viscosity, dynamic	Pascal * Second	Pa*s	S DV>5000
/ECH (/CHA)	Electric Charge	Coulomb	C	S 0.0001-0.001/ECH
/ECO (/ECND)	Electrical Conductivity	Siemens/Meter	S/m	S ECO>800 S/M (15A) AQUEOUS
/ELC (/ECC)	Electric Current	Ampere	A	S 1-10/ELC
/ELF (/ECF)	Electric Field	Volt/Meter	V/m	S 200/ELF
/ENE	Energy	Joule	J	S DROPLETS (10A) 40 JOULE - 70 JOULE /ENE
/ERE (/ERES)	Electrical Resistivity	Ohm*Meter	Ohm*m	S ERE>0.1
/FOR	Force	Newton	N	S 50 N /FOR
/FRE (/F)	Frequency	Hertz	Hz	S OSCILLAT?/BI (S) 1- 3/FRE
/IU	International Unit	none	IU	S IU>1000 (P) VITAMIN A
/KV	Viscosity, kinematic	Square Meter/Second	m2/s	S METHYLPOLYSILOXANES/BI (10A) 200-300 CST /KV
/LEN (/SIZ)	Length, Size	Meter	m	S 1-4/LEN
/LUME	Luminous Emittance, Illuminance	Lux	lx	S 10-50/LUME
/LUMF	Luminous Flux	Lumen	Lm	S LUMF>1000
/LUMI	Luminous Intensity	Candela	cd	S LUMI<4
/M	Mass	Kilogram	kg	S ALLOY/BI (30A) 1E-10-1E-5/M
/MCH	Mass to Charge Ratio	none	m/z	S MCH=1
/MFD (/MFS)	Magnetic Flux Density	Tesla	T	S MFD>102
/MFR (/MFL)	Mass Flow Rate	Kilogram/Second	kg/s	S MFR<0.1
/MFST	Magnetic Field Strength	Ampere/Meter	A/m	S MFST/PHP
/MM (/MW, /MOM)	Molar Mass	Gram/Mol	g/mol	S 2000-3000 G/MOL/MM
/MOLS	Molality of Substance	Mol/Kilogram	mol/kg	S 01.-10 MOL/KG/MOLS
/MVR	Melt Volume Rate, Melt Flow Rate	none	g/10 min	S 3/MVR
/PER	Percent (Proportionality)	none	%	S POLYMER?/AB (5A) 4/PER
/PHV (/PH)	pH Value	pH	pH	S 7.4-7.6/PHV
/POW (/PW)	Power	Watt	W	S "HG-XE-?"/BI (S) 100-200 WATT/POW
/PPM	Parts per million	Ppm	ppm	S 100 PPM /PPM (10A) ADDITIVE/BI
/PRES (/P)	Pressure	Pascal	Pa	S (VACUUM (5A) DISTILL?)/BI (S) 1000-1100/PRES

Field Code	Property	Unit	Symbol	Search Examples
/RAD	Radioactivity	Becquerel	Bq	S RAD/PHP
/RES	Electrical Resistance	Ohm	Ohm	S SENSOR /BI (S) 10- 100/RES
/RI	Refractive Index	none		S 3-4/RI
/RSP	Rotational Speed	Revolution/Minute	rpm	S 2 RPM - 100 RPM /RSP (S) ENGINE/BI
/SAR	Area /Surface Area	Square Meter	m^2	S PLATE/BI (S) 10 M**2 - 100 M**2 /SAR
/SOL (/SLB)	Solubility	Gram/100 gram	g/100g	S SOL>20 G/100G (5A) WATER
/SSAM	Specific Surface Area, Mass	Square Meter/ Kilogram	m^2/kg	S 1-10/SSAM
/STSC	Surface Tension	Joule /Square Meter	J/m^2	S 60 J/M**2/STSC
/TCO (/TCND)	Thermal Conductivity	Watt/Meter*Kelvin	W/m*K	S 1/TCO (S) HEAT?
/TEMP (/T)	Temperature	Kelvin	K	S 20-25/TEMP
/TEX	Tex	Gram/Kilometer	g/km	S 1-5/TEX
/TIM	Time	Second	s	S ?INCUB?/BI (10A) 50 S - 150 S /TIM
/VEL (/V)	Velocity	Meter per Second	m/s	S REDUC?/BI (S) 1E-3-5E-3/VEL
/VELA	Velocity, angular	Radian/Second	rad/s	S VELA>10
/VLR	Volumetric Flow Rate	Cubic Meter/Second	m^3/s	S 1 M**3/S - 2 M**3/S /VLR (S) ABRASIVE
/VOL	Volume	Cubic Meter	m^3	S 1E-8-2E-8/VOL.EX
/VOLT	Voltage	Volt	V	S TENSION/BI (10A) 5E-3 V <VOLT<7E-3 V

1) Exponential format is recommended for the search of particularly high or low values, e.g., 1.8E+7 or 1.8E7 (for 18000000) or 9.2E-8 (for 0.000000092).

Controlled Term (/CT) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the /CT thesaurus.

Code	Content	Examples
ALL	All Associated Terms (BT, RBT, SELF, NOTE, RN, USE, UF, NT, RNT, RT)	E BACTERIAL INSECTICIDES+ALL/CT
AUTO **(1)**	Automatic Relationship Code (Narrower Terms) (SELF, NT)	E ORGANOCHLORINE INSECTICIDES+AUTO/CT
HIE	Hierarchy Terms (Broader and Narrower Terms) (BT, SELF, NT)	E VIRAL INSECTICIDES+HIE/CT
KT	Keyword Terms (SELF, KT)	E CONTROL+KT/CT
NOTE	Notes (SELF, NOTE, RN)	E POTATO STARCH+NOTE/CT
NT	Narrower Terms (SELF, NT)	E INSECT GROWTH REGULATORS+NT/CT
PFT	Preferred and Forbidden Terms (SELF, USE, UF)	E BIOLOGICAL CONTROL+PFT/CT
RBT	Related Broader Terms (RBT, SELF)	E 1-NAPHTHOL+RBT/CT
RNT	Related Narrower Terms (SELF, RNT)	E ABSORBENTS+RNT/CT
RT	Related Terms (See also terms) (SELF, RBT, RT, RNT)	E MICROBIAL PESTICIDES+RT/CT
STD	Broader, Narrower, and Related Terms (BT, RBT, SELF, NT, RNT, RT)	E DISEASE CONTROL+STD/CT
UF	Used For Terms (Forbidden Terms) (SELF, UF)	E HORMONAL CONTROL+UF/CT
USE	Use Terms (Preferred Terms) (SELF, USE)	E ENDOCRINE CONTROL+USE/CT

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

Geographic Term (/GT) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the /GT thesaurus.

Code	Content	Examples
ALL	All Associated Terms (BT, RBT, SELF, NOTE, USE, UF, NT, RNT, RT)	E UK+ALL/GT
AUTO **(1)**	Automatic Relationship Code (Narrower Terms) (SELF, NT)	S SCOTLAND+AUTO/GT
BT	Broader Terms (BT, SELF)	E CONNECTICUT+BT/GT
HIE	Hierarchy Terms (Broader and Narrower Terms) (BT, SELF, NT)	E USA+HIE/GT
KT	Keyword Terms (SELF, KT)	E AMERICA+KT/GT
NOTE	Notes (SELF, NOTE)	S RIFT VALLEY LAKES+NOTE/GT
NT	Narrower Terms (SELF, NT)	S ECUADOR+NT/GT
PFT	Preferred and Forbidden Terms (SELF, USE, UF)	E USA+PFT/GT
RBT	Related Broader Terms (RBT, SELF)	E YUKON RIVER+RBT/GT
RNT	Related Narrower Terms (SELF, RNT)	E UK+RNT/GT
RT	Related Terms (See also terms) (SELF, RBT, RT, RNT)	E PUERTO RICO+RT/GT
STD	Broader, Narrower, and Related Terms (BT, RBT, SELF, NT, RNT, RT)	E CARIBBEAN+STD/GT
UF	Used For Terms (Forbidden Terms) (SELF, UF)	E USA+UF/GT
USE	Use Terms (Preferred Terms) (SELF, USE)	E UNITED STATES OF AMERICA+USE/GT

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

Organism Name (/ORGN) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the /ORGN thesaurus.

Code	Content	Examples
ALL	All Associated Terms (BT, RBT, SELF, NOTE, RN, USE, UF, NT, RNT, RT)	E DIPTEROCARPUS+ALL/ORGN
AUTO **(1)**	Automatic Relationship Code (Narrower Terms) (SELF, NT)	S CANTHIUM+AUTO/ORGN
BT	Broader Terms (BT, SELF)	E SCARABAEIDAE+BT/ORGN
HIE	Hierarchy Terms (Broader and Narrower Terms) (BT, SELF, NT)	E TEMNOSCHEILA+HIE/ORGN
KT	Keyword Terms (SELF, KT)	E TEMNOSCHEILA+KT/ORGN
NOTE	Notes (SELF, NOTE)	E MYCOBACTERIUM MALMONESE+NOTE/ORGN
NT	Narrower Terms (SELF, NT)	E ALPHITOBIUS+NT/ORGN
PFT	Preferred and Forbidden Terms (SELF, USE, UF)	E POACEAE+PFT/ORGN
RBT	Related Broader Terms (RBT, SELF)	E ALOPEX LAGOPUS+RBT/ORGN
RNT	Related Narrower Terms (SELF, RNT)	E PSEUDOCEREALS+RNT/ORGN
RT	Related Terms (See also terms) (SELF, RBT, RT, RNT)	E PROCLADIUS+RT/ORGN
STD	Broader, Narrower, and Related Terms (BT, RBT, SELF, NT, RNT, RT)	E DIPLACHNE+STD/ORGN
UF	Used For Terms (Forbidden Terms) (SELF, UF)	E GRAMINEAE+UF/ORGN
USE	Use Terms (Preferred Terms) (SELF, USE)	S POACEAE+USE/ORGN

(1) Automatic Relationship is SET OFF. In case of SET REL ON the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Hit term highlighting is available for all fields except AU, CS and EML. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D 1-5 AN, AB
AN	Accession Number	D 1-5 AN
AU	Author	D AU TI 2
BT	Broader Term	D TI BT 1-5
CC	Classification Code	D CC, RN 8-10
CS	Corporate Source	D CS
CT	Controlled Term	D AN CT 1-2
CY	Country of Publication	D CY TI
DN	Document Number	D DN 1-5
DT (TC)	Document Type	D DT TI
ED	Entry Date	D ED
EML **(1)**	E-mail Address	D EML
FTDOI **(1)**	Digital Object Identifier	D FTDOI
GT	Geographic Term	D TI GT
ISN (1)	International Standard (Document) Number	D ISN 1-2
JT (1)	Journal Title	D JT 1-2
LA	Language	D 2 6 LA
MT **(1)**	Meeting Title	D MT
ORGN	Organism Name	D ORGN 1-10
PD **(1)**	Publication Date	D PD
PY **(1)**	Publication Year	D TI PY
RN	CAS Registry Number	D 2 RN
SC	Section Code	D SC
SL	Summary Language	D SL 1,3
SO	Source	D SO TI
ST	Supplementary Term	D CT ST
TI	Title	D TI 1-10
UP	Update Date	D UP
URL **(1)**	Uniform Resource Locator	D URL
ABS	AB	D ABS 1-3
IABS	AB, with text label	D IABS 1-3
ALL	AN, DN, TI, AU, CS, SO, CY, DT, LA, SL, ED, AB, CC, SC, GT, CT, BT, ST, RN, ORGN	D 1-3 ALL
DALL	ALL, delimited for post processing	D DALL
IALL	ALL, indented with text labels	D IALL 1-4
BIB	AN, DN, TI, AU, CS, SO, CY, DT, LA, SL, ED (BIB is the default)	D 8 BIB
IND	CC, GT, CT, BT, ST, RN, ORGN	D BIB, IND
SAM (TRI, TRIAL)	TI, CC, GT, CT, BT, ST, RN, ORGN	D SAM TOTAL
SCAN **(2)**	TI, CC, GT, CT, BT, ST, RN, ORGN (random display, no answer numbers)	D SCAN
STD	AN, TI, AU, CS, PI, SO, DT, LA, SL	D STD 1,5
ISTD	STD, indented with text labels	D ISTD
HIT	Hit term(s) and field(s)	D HIT
KWIC	Up to 50 words before and after hit term(s) (KeyWord-In-Context)	D KWIC
OCC	Number of occurrences of hit term(s) and field(s) in which they occur	D OCC

(1) Custom display only
(2) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	N
Accession Number	AN	Y	N
Author (4)	AU	Y	Y
Broader Term	BT	Y	N
CAS Registry Number	RN	Y (2)	N
Citation	CIT	Y (3,4)	N
Classification Code	CC	Y	Y
Controlled Term	CT	Y	N
Corporate Source (4)	CS	Y	Y
Country of Publication	CY	Y	Y
Digital Object Identifier	FTDOI	Y	Y
Document Number	DN	Y	Y
Document Type	DT (TC)	Y	Y
E-mail Address (4)	EML	Y	Y
Entry Date	ED	Y	Y
Geographic Term	GT	Y	Y
International Standard Book Number	ISBN	N	Y
International Standard (Document) Number	ISN	Y	N
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Language	LA	Y	Y
Meeting Title	MT	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Organism Name	ORGN	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Source	SO	Y (5)	N
Summary Language	SL	Y	Y
Supplementary Term	ST	Y	N
Title	TI	Y (default)	Y
Uniform Resource Locator	URL	Y	Y
Update Date	UP	Y	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.
(2) Appends /BI to the terms created by SELECT.
(3) Extracts first author, publication year, volume, and first page with a truncation symbol appended and with /RE appended to the terms created by SELECT.
(4) SELECT HIT and ANALYZE HIT not valid with this field.
(5) Selects or analyzes ISSN and ISBN with /SO appended to the terms created by SELECT.

Sample Records

DISPLAY ALL

AN 2024:81054 CABA
TI Effect of camel milk on lipid profile among patients with diabetes: a systematic review, meta-analysis, and meta-regression of randomized controlled trials.
AU Khalid, Narmin (1); Abdelrahim, Dana N. (2); Hanach, Nivine (3); Alkurd, Refat (4); Khan, Moien (5); Mahrous, Lana (6); Radwan, Hadia (7); Naja, Farah (7); Faris, Moezalislam (7); Madkour, Mohamed (8); Obaideen, Khaled (9); Khraiwesh, Husam (10)
CS (1)Department of Nutrition and Dietetics, Bahrain Defense Force Royal Medical Services Hospital, Riffa, Bahrain
(2)Sharjah Institute of Medical and Health Sciences (RIMHS), University of Sharjah, Sharjah, United Arab Emirates
(3)Care and Public Health Research Institute (CAPHRI), Maastricht University, Maastricht, 6211 LM, Netherlands
(4)Department of Nutrition, Faculty of Pharmacy and Medical Sciences, University of Petra, Amman, Jordan
(5)Nutrition Studies Research Group, Department of Family Medicine, College of Medicine and Health Sciences, United Arab Emirates University, Al-Ain, Primary Care, NHS Northwest London, TW3 3EB, London, United Arab Emirates
(6)Department of Health Sciences / Track of Clinical Nutrition, College of Health and Rehabilitation, Princess Nourah Bint Abdulrahman University, Riyadh, Saudi Arabia
(7)Department of Clinical Nutrition and Dietetics, College of Health Sciences, Sharjah Institute of Medical and Health Sciences (RIMHS), University of Sharjah, Sharjah, United Arab Emirates
(8)Department of Medical Laboratory Sciences, College of Health Sciences, University of Sharjah, Sharjah, United Arab Emirates
(9)Center for Advanced Materials Research, University of Sharjah, Sharjah, United Arab Emirates
(10)Department of Nutrition and Food Processing, College of Agricultural Technology, Al-Balqa University, Salt, Jordan, EMAIL: mfaris@sharjah.ac.ae
SO BMC Complementary Medicine and Therapies (2023), Volume 23, Number 438, 178 refs.
ISSN: 2662-7671
DOI: https://doi.org/10.1186/s12906-023-04257-5
Published by: BioMed Central Ltd, London
URL (Availability): https://link.springer.com/article/10.1186/s12906-023-04257-5
CY United Kingdom
DT Journal
LA English
ED Entered STN: 21 Feb 2024
Last updated on STN: 21 Feb 2024
AB The effects of camel milk (CM) intake on lipid profile among patients with diabetes remain controversial. This systematic review and meta-analysis of randomized controlled trials (RCTs) aimed to calculate the effect size of CM intake on blood lipids among patients with type 1 (T1D) and type 2 (T2D) diabetes. We searched nine databases from inception until December 31, 2022, to identify relevant RCTs. Effect sizes for total cholesterol (TC), triglycerides (TG), low-density lipoprotein (LDL), very low-density lipoprotein (VLDL), and high-density lipoprotein (HDL) were calculated and expressed using mean differences (MD) and confidence intervals (CI). Of 4,054 retrieved articles, 10 RCTs (a total of 347 participants aged 8-70 years, 60.5% male) were eligible for inclusion. The pooled results from a random-effects model showed statistically significant decreases in TC (MD - 21.69, 95% CI: 41.05, - 2.33; p = 0.03; Isup2=99%), TG (MD - 19.79, 95% CI: -36.16, - 3.42; p=0.02, Isup2=99%), and LDL (MD -11.92, CI: -20.57, -3.26; p = 0.007, Isup2=88%), and a significant increase in HDL (MD 10.37, 95% CI, 1.90, 18.84; p=0.02, Isup2=95%) in patients with diabetes

supplemented with CM compared with usual care alone. Subgroup analysis revealed that only long-term interventions (> 6 months) elicited a significant reduction in TC levels and TG levels. Consumption of fresh CM by patients with diabetes resulted in significant reductions in TC, TG, and LDL levels, while showing a significant increase in HDL levels. Patients with T1D elicited a more beneficial effect in lowering TC, LDL, and TG levels and in increasing HDL levels than their corresponding partners with T2D. In conclusion, long-term consumption of CM for patients with diabetes, especially those with T1D, could be a useful adjuvant therapy to improve lipid profile alongside prescribed medications. However, the high heterogeneity in the included studies suggests that more RCTs with larger sample sizes and longer intervention durations are required to improve the robustness of the available evidence.

CC VV600 Non-communicable Human Diseases and Injuries; VV130 Nutrition related Disorders and Therapeutic Nutrition; QQ010 Milk and Dairy Produce; QQ500 Food Composition and Quality; QQ600 Food Chemistry, (New June 2002); ZZ100 Mathematics and Statistics

SC AO; 0D; 1T; CA; HE; NU; ZD; SR

CT low density lipoprotein; high density lipoprotein; human diseases; randomized controlled trials; type 2 diabetes; meta-analysis; patients; lipid metabolism disorders; milk; camel milk; diabetes mellitus; lipids; systematic reviews; type 1 diabetes; cholesterol; triacylglycerols; regression analysis

BT Homo; Hominidae; primates; mammals; vertebrates; Chordata; animals; eukaryotes

ST fat metabolism disorders; camels; lipids; triglycerides

RN 57-88-5

ORGN man

DISPLAY BIB

AN 2023:440515 CABA

DN 20230449192

TI Techno-economic analysis for cultivated meat production.

AU Ellersick, John P. (1); Ashizawa, Reina (1); Swartz, Elliot (2)

CS (1)Next Rung Technology, LLC, USA
(2)The Good Food Institute, USA

SO Advances in cultured meat technology (2023), pp. 357-397, 9 refs.
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LA English

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EXPAND in the Controlled Term (/CT) Thesaurus

```
=> E BIOLOGICAL CONTROL+all/CT

E#     FILE            FREQUENCY  TERM
--     ----            ---------  ----
E1     CABA            126136   BT1  pest control/CT
E2     CABA             87765     -->  biological control/CT
                                    NOTE From 1983.
E3     CABA                 0       UF   biocontrol/CT
E4     CABA                 0       UF   biological pest control/CT
E5     CABA                16       NT1  augmentative biological control/CT
E6     CABA                44         NT2  parasitoid augmentation/CT
E7     CABA                39         NT2  predator augmentation/CT
E8     CABA                27       NT1  classical biological control/CT
E9     CABA                19       NT1  conservation biological control/CT
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E10    CABA                5       RT   IOBC/CT
E11    CABA             4817       RT   bacterial insecticides/CT
E12    CABA           116576       RT   biological control agents/CT
E13    CABA            92112       RT   disease control/CT
E14    CABA           126386       RT   disease resistance/CT
E15    CABA            21589       RT   integrated control/CT
E16    CABA             2409       RT   mating disruption/CT
E17    CABA            15672       RT   parasitism/CT
E18    CABA            46886       RT   pest resistance/CT
E19    CABA            18445       RT   predation/CT
E20    CABA              463       RT   release techniques/CT
E21    CABA             2120       RT   sterile insect release/CT
********** END **********
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EXPAND in the Geographic Term (/GT) Thesaurus

```
=> e uk+all/gt

E#     FILE            FREQUENCY  TERM
--     ----            ---------  ----
E1     CABA            139853   BT3  Europe/GT
E2     CABA              3055     BT2  Western Europe/GT
E3     CABA              1388       BT1  British Isles/GT
E4     CABA               272       BT1  Commonwealth of Nations/GT
E5     CABA                 0     BT2  countries/GT
E6     CABA              1501       BT1  OECD Countries/GT
E7     CABA                 0     BT2  countries/GT
E8     CABA               552       BT1  high income countries/GT
E9     CABA                 0     BT2  countries/GT
E10    CABA                 3       BT1  very high Human Development Index
                                         countries/GT
E11    CABA            189569         -->  UK/GT
                                       NOTE From 1983. Descriptor was 'United
                                            Kingdom', 1983-1988.
E12    CABA                 0          UF   Britain/GT
E13    CABA                 0          UF   United Kingdom/GT
E14    CABA                 0          UF   United Kingdom of Great Britain
                                            and Northern Ireland/GT
E15    CABA               316          NT1  Channel Islands/GT
E16    CABA                12            NT2  Guernsey/GT
E17    CABA                58            NT2  Jersey/GT
E18    CABA              4145          NT1  Great Britain/GT
E19    CABA             24111            NT2  England/GT
E20    CABA               135              NT3  East Midlands of England/GT
E21    CABA               275              NT3  Eastern England/GT
E22    CABA               586              NT3  Northern England/GT
E23    CABA               585              NT3  South East England/GT
E24    CABA               535              NT3  South West England/GT
E25    CABA               215              NT3  West Midlands of England/GT
E26    CABA               268              NT3  Yorkshire and Lancashire/GT
E27    CABA             13340            NT2  Scotland/GT
E28    CABA                36              NT3  Eastern Scotland/GT
E29    CABA                80              NT3  Northern Scotland/GT
E30    CABA               345              NT3  Scottish Highlands and
                                                 Islands/GT
E31    CABA                51              NT3  West Scotland/GT
E32    CABA              6531            NT2  Wales/GT
E33    CABA               112          NT1  Isle of Man/GT
E34    CABA              4098          NT1  Northern Ireland/GT
E35    CABA                18          RNT  British Overseas Territories/GT
********** END **********
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EXPAND in the Organism (/ORGN) Thesaurus

```
=> E DIPTEROCARPUS+ALL/ORGN

E#     FILE            FREQUENCY  TERM
--     ----            ---------  ----
E1     CABA              3487   BT7  eukaryotes/ORGN
E2     CABA           1429050     BT6  plants/ORGN
E3     CABA               276       BT5  Spermatophyta/ORGN
E4     CABA              6607         BT4  angiosperms/ORGN
E5     CABA               112           BT3  eudicots/ORGN
E6     CABA               113             BT2  Malvales/ORGN
E7     CABA              1500               BT1  Dipterocarpaceae/ORGN
E8     CABA               605                 -->  Dipterocarpus/ORGN
                                                   NOTE From 1983.
E9     CABA               121                  NT1  Dipterocarpus alatus/ORGN
E10    CABA                13                  NT1  Dipterocarpus baudii/ORGN
E11    CABA                 5                  NT1  Dipterocarpus
                                                     bourdillonii/ORGN
E12    CABA                20                  NT1  Dipterocarpus
                                                     cornutus/ORGN
E13    CABA                28                  NT1  Dipterocarpus
                                                     gracilis/ORGN
E14    CABA                81                  NT1  Dipterocarpus
                                                     grandiflorus/ORGN
E15    CABA                 3                  NT1  Dipterocarpus
                                                     griffithii/ORGN
E16    CABA                20                  NT1  Dipterocarpus
                                                     hasseltii/ORGN
E17    CABA                58                  NT1  Dipterocarpus indicus/ORGN
E18    CABA                23                  NT1  Dipterocarpus kerrii/ORGN
E19    CABA                 2                  NT1  Dipterocarpus lowii/ORGN
E20    CABA               101                  NT1  Dipterocarpus
                                                     turbinatus/ORGN
E21    CABA                 6                  NT1  Dipterocarpus
                                                     warburgii/ORGN

********** END **********
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