

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 12.7 million records (10/2025)			
Coverage	1973-present			
Updates	Updated weekly			
Language	English			
Database Producer	CAB International Nosworthy Way, Wallingford Oxon, OX10 8DE, UK Email: support@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:

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	S C/DT	DT
E-mail Address (1)	(or /TC) /EML	S CONFERENCE/DT 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	SL
Supplementary Term (1)	/ST	S FR/SL	ST
Title*	/TI	S FORMULATION/ST	TI
Universal Resource Locator (1)	/URL	S WORLD AGRICULTURAL TRADE/TI	URL, SO
Update Date (3)	/UP	S HTTP://WWW.PLANT?/URL	ED, UP
		S L1 AND UP>MAY 2013	

(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)
/ELC (/ECC)	Electric Current	Ampere	A	AQUEOUS 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	m ² /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

Property Fields ⁽¹⁾ (cont'd)

Field Code	Property	Unit	Symbol	Search Examples
/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
/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 0.00000092).

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 ALPHITOBIOUS+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 AN AU BT CC CS CT CY DN DT (TC) ED EML (1) FTDOI (1) GT ISN (1) JT (1) LA MT (1) ORGN PD (1) PY (1) RN SC SL SO ST TI UP URL (1)	Abstract Accession Number Author Broader Term Classification Code Corporate Source Controlled Term Country of Publication Document Number Document Type Entry Date E-mail Address Digital Object Identifier Geographic Term International Standard (Document) Number Journal Title Language Meeting Title Organism Name Publication Date Publication Year CAS Registry Number Section Code Summary Language Source Supplementary Term Title Update Date Uniform Resource Locator	D 1-5 AN, AB D 1-5 AN D AU TI 2 D TI BT 1-5 D CC, RN 8-10 D CS D AN CT 1-2 D CY TI D DN 1-5 D DT TI D ED D EML D FTDOI D TI GT D ISN 1-2 D JT 1-2 D 2 6 LA D MT D ORGN 1-10 D PD D TI PY D 2 RN D SC D SL 1,3 D SO TI D CT ST D TI 1-10 D UP D URL
ABS IABS ALL DALL IALL BIB IND SAM (TRI, TRIAL) SCAN (2) STD ISTD	AB AB, with text label AN, DN, TI, AU, CS, SO, CY, DT, LA, SL, ED, AB, CC, SC, GT, CT, BT, ST, RN, ORGN ALL, delimited for post processing ALL, indented with text labels AN, DN, TI, AU, CS, SO, CY, DT, LA, SL, ED (BIB is the default) CC, GT, CT, BT, ST, RN, ORGN TI, CC, GT, CT, BT, ST, RN, ORGN TI, CC, GT, CT, BT, ST, RN, ORGN (random display, no answer numbers) AN, TI, AU, CS, PI, SO, DT, LA, SL STD, indented with text labels	D ABS 1-3 D IABS 1-3 D 1-3 ALL D DALL D IALL 1-4 D 8 BIB D BIB, IND D SAM TOTAL D SCAN D STD 1,5 D ISTD
HIT KWIC OCC	Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D HIT D KWIC 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, Moezalisalam (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
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(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 A0; 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

S0 Advances in cultured meat technology (2023), pp. 357-397, 9 refs.
ISSN: 2059-6936; 2059-6944 ISBN: 9781801463768
DOI: <https://doi.org/10.19103/AS.2023.0130.16>
Published by: Burleigh Dodds Science Publishing Limited, Cambridge

CY United Kingdom

DT Book; Book Article

LA English

ED Entered STN: 24 Oct 2023
Last updated on STN: 24 Oct 2023

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

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 *****				

EXPAND in the Geographic Term (/GT) Thesaurus

=> e uk+all/gt

E#	FILE	FREQUENCY	TERM
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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 *****

EXPAND in the Organism (/ORGN) Thesaurus

=> E DIPTEROCARPUS+ALL/ORGN

E#	FILE	FREQUENCY	TERM
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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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