

FSTA (Food Science and Technology Abstracts) is a bibliographic database providing worldwide coverage of all scientific and technological aspects of the processing and manufacture of human food products. Citations contain bibliographic information, indexing, and in most cases (about 95%) an abstract. The FSTA Thesaurus is available online in field /CT.

SUBJECT COVERAGE

- Food Sciences
- Biotechnology
- Hygiene and Toxicology
- Economics
- Engineering
- Packaging
- Catering, Speciality and Multi-Component Foods
- Alcoholic and Non-Alcoholic Beverage
- Fruits, Vegetables and Nuts
- Cocoa, Chocolate and Sugar Confectionary Products
- Sugars, Syrups and Starches
- Cereals and Bakery Products
- Fats, Oils and Margarine
- Milk and Dairy Products
- Eggs and Egg Products
- Fish and Marine Products
- Meat, Poultry and Game
- Additives, Spices and Condiments
- Morphology
- Physiology
- Soils
- Breeding
- Plant Pathology
- Enology
- Viticulture
- Microbiology of Wine

SOURCES

- About 4,500 journals
- Books
- Conference proceedings
- Reports
- Patents
- Pamphlets
- Legislation
- Dissertations

FILE DATA

- 1969 to present (04/08): 790,961 citations
- Updated weekly
- Automatic current-awareness searches (SDIs) are run weekly

PRODUCER

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Fax: +49 7247 808-259
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USER AIDS

- FSTA Thesaurus *
 - Online Helps (HELP DIRECTORY lists all help messages available)
 - STNGUIDE
- * available at producer and online

SEARCH AND DISPLAY FIELDS

Search Field Name	Search Code	Search Examples	Display Code
Basic Index (contains single words from title (TI), abstract (AB), controlled term (CT) and trade name (TN) fields) 1)	None or /BI	S JUICE EXTRACT? S BEEF (L) ROUTINE TEST? S SWEETZYME T S ?FISH?	AB, CT, TI TN
Accession Number	/AN	S "2001(12):T1157"/AN S 2002:A0009/AN	AN
Author (or Inventor)	/AU (/IN)	S MARTH, E H/AU S MARTH E H/AU	AU, SO
Classification Code (code and text) 2)	/CC	S A/CC S NON-ALCOHOLIC BEVERAGES/CC	CC
Corporate Source (or Patent Assignee) 2)	/CS (/PA)	S KYOTO UNIV?/CS	CS
Controlled Term	/CT	S PROTEIN PRODUCTS/CT	CT
Controlled Word	/CW	S ACID/CW	CT
Document Type (code and text)	/DT	S L1 AND PATENT/DT	DT
Field Availability	/FA	S L2 AND AB/FA	not displayed
International Standard (Document) Number	/ISN	S 0105-6883/ISN S 0-442-25662-0/ISN	ISN, SO
Journal Title	/JT	S FOOD MANUFACTURE/JT	JT, SO
Language (ISO code and text)	/LA	S L1 AND ENGLISH/LA	LA
Patent Country	/PC	S L3 AND US/PC	PI
Patent Kind Code	/PK	S USA1/PK AND L2	PI
Patent Number 4)	/PN (/PATS)	S EP50394/PN S EP--50394/PATS	PI
Patent Number, Original	/PNO	S US 2001/0003593 A1/PNO	PNO
Priority Country 5)	/PRC	S L1 AND JP/PRC	PRAI
Priority Date 3,5)	/PRD	S L1 AND 821220/PRD	PRAI
Priority Number 4,5)	/PRN (/APPS)	S US83-539661A/PRN S 83US-539661A/PRN	PRAI
Priority Number, Original	/PRNO	S "US 001677 (19971231)"/PRNO	PRNO
Priority Year 4)	/PRY	S 1991/PRY	PRAI
Publication Year 3)	/PY	S L2 AND 1985-1988/PY	PY, SO, PI
Reference Count 3)	/REC (/RE.CNT)	S REC=10	REC, SO
Summary Language (ISO code and text)	/SL	S L1 AND ENGLISH/SL S L1 AND EN/SL	SL
Source (contains journal name, ISSN, volume, issues, pages, ISBN, No. of references)	/SO	S FOOD MANUFACTURE/SO S 1990/SO S (0168-1605 AND 22 4)/SO	SO
Title	/TI	S CITRUS FRUIT#/TI	TI
Trade Name	/TN (/CN)	S SWEETZYME T/TN	
Update Date 3)	/UP (/ED)	S L1 AND UP=JAN 2002	UP
Word Count, Title 3)	/WC.T	S WC.T=>15	WC.T

- 1) In addition to right truncation, left and simultaneous left and right truncation are available in this field. The minimum length of the stem to be entered is 4 characters.
- 2) Search with implied (S) proximity is available.
- 3) Numeric search field that may be searched with numeric operators or ranges.
- 4) Either in STN or Derwent Format.
- 5) Priority information is available for records since 1988 only.

THESAURUS FIELDS

All Relationship Codes may be used with both the SEARCH and EXPAND command in the Controlled Terms (/CT) field.

Code	Content	Examples
ALL	All Associated Terms (BT, SELF, HNTE, NOTE, USE, UF, NT, RT)	E FRUIT JUICES+ALL/CT
AUTO	1) Automatic Relationship (SELF, USE, UF)	E JACK BEANS+AUTO/CT
BT	Broader Terms (BT, SELF)	E FROZEN YOGHURT+BT/CT
HIE	Hierarchy Terms (all Broader and Narrower Terms) (BT, SELF, NT)	E YOGHURT+HIE/CT
HNTE	History Note (SELF, HNTE)	E JAPAN+HNTE/CT
KT	Keyword Terms (SELF, KT)	E MUSTARD+KT/CT
NOTE	Scope Note (SELF, NOTE)	E LYASES+NOTE/CT
NT	Narrower Terms (SELF, NT)	S LYASES+NT/CT
RT	Related Terms (SELF, RT)	S DIFFUSION+RT/CT
UF	Preferred and Forbidden Terms (SELF,UF)	E F+UF/CT
USE	Forbidden and Preferred Terms (SELF,USE)	E COW CHEESE+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.

DISPLAY AND PRINT FORMATS

Any combination of display fields and formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, 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 searchable fields. Highlighting must be ON during SEARCH in order to use the HIT, KWIC, and OCC formats.

More information about display fields for specific types of information is available by typing one of the following 'HELP' commands at an arrow prompt (=>) in the FSTA database:

HELP DFIELDS	-	lists all valid custom formats
HELP EFIELDS	-	lists all selectable fields
HELP FORMATS	-	lists valid predefined formats
HELP SRTFIELDS	-	lists valid sort fields

Format	Definition	Examples
AB	Abstract	D AB, TI
AN	Accession Number	D 1-5 AN
AU (IN)	Author (or Inventor)	D AU 5 6 8-10
CC	Classification Code (Subject Category Code)	D CC, TI
CS (PA)	Corporate Source (or Patent Assignee)	D TI AU CS
CT	Controlled Term	D CT, TI
DT	Document Type (Title Annotations)	D DT, SO
ISN	1) International Standard (Document) Number	D ISN
JT	1) Journal Title	D JT
LA	Language	D LA, TI
PI (PN, PATS)	2) Patent Information	D PI, SO
PNO	1) Patent Number, Original	D PNO
PRAI	Priority Information	D PRAI, SO
(PRN, APPS)	2)	
PRNO	1) Priority Number, Original	D PRNO
PY	1) Publication Year	D PY

1) Custom display only.

2) By default, patent numbers and priority numbers are displayed in STN format. To display them in DERWENT format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN format, enter set PATENT STN.

DISPLAY AND PRINT FORMATS (continued)

Format	Definition	Examples
REC (RE.CNT) 1) SL SO TI TN (CN) UP (ED) 1) WC.T 1)	Reference Count Language of Summary Source Title Trade Name Update Date Word Count, Title	D REC D SL, TI D SO D TI, SO D BIB CT TN 1-10 D UP D WC.T
ABS ALL 2) DALL 2) IALL 2) BIB 2) IBIB 2) IND SCAN 3) TRIAL (TRI, SAM, FREE)	AN, AB AN, TI, AU, CS, SO, PI, PRAI, DT, LA, SL, AB, CC, CT, TN ALL, delimited for post-processing ALL, indented with text labels AN, TI, AU, CS, SO, PI, PRAI, DT, LA, SL (default format) BIB, indented with field labels CC, CT, TN TI, CT (random display without answer numbers) TI, CC, CT	D ABS D ALL 5-10 D DALL D BIB 1-10 D BIB, IND D SCAN D TRI 1-10
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) By default, patent numbers and priority numbers are displayed in STN format. To display them in DERWENT format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN format, enter set PATENT STN.
- 3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

SELECT, ANALYZE, AND SORT CODES

The SELECT command is used to create E-numbered or L-numbered lists of terms taken from the specified field(s) 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 alphanumeric (A) or numeric (N) order of the specified field(s).

Definition	Code	Analyze/ Select 1)	Sort
Abstract	AB	X 2)	-
Accession Number	AN	X	A
Author	AU (IN)	X	A
Classification Code	CC	X	A
Citation	CIT	X 3,4)	-
Corporate Source	CS (PA)	X	A
Controlled Term	CT	X	-
Document Type	DT (TC)	X	A

- 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) SELECT CIT allows you to extract the reference data from the source documents in this file and have them automatically converted to a citation format for searching in the SCISEARCH file. SEL CIT selects first author, publication year, volume, first page, and a truncation symbol with /RE appended.
- 4) SELECT HIT or ANALYZE HIT are not valid with this field.

SELECT, ANALYZE, AND SORT CODES (continued)

Definition	Code	Analyze/ Select 1)	Sort
International Standard (Document) Number	ISN	X	-
Index Term	IT	X	-
Journal Title	JT	X	A
Language	LA	X	A
Occurrence Count of Hit Terms	OCC	-	N
Patent Country	PC (PCS)	X	A
Patent Kind Code	PK	X	A
Patent Number	PN (PI, PATS)	X	-
Priority Country	PRC	X	A
Priority Date	PRD	X	N
Priority Number	PRN (PRAI, APPS)	X	A
Priority Year	PRY	X	N
Publication Year	PY	X	N
Reference Count	REC (RE.CNT)	X	N
Summary Language	SL	X	A
Source	SO	X 5)	-
Title	TI	X (default)	A
Trade Name	TN (CN)	X	A
Update Date	UP (ED)	X	N
Word Count, Title	WC.T	X	N

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.

5) Selects ISSN and ISBN with /SO appended.

SAMPLE RECORDS

DISPLAY BIB OF BOOK

AN 2008:T1033 FSTA
 TI Food colorants. Chemical and functional properties.
 AU Socaciu, C. (Editor)
 CS 6000 Broken Sound Parkway, NW, Suite 300, Boca Raton, FL 33487, USA; CRC Press. Tel. +1-561-994-0555. Fax +1-561-361-6018. E-mail orders(a)taylorandfrancis.com. www.crcpress.com. Price USD 179.95, GBP 99.00 Dep. of Biochem., University of Agric. Sci. & Vet. Med., Cluj-Napoca, Romania
 SO (2007), 648pp. ISBN 978-0-8493-9357-0
 DT Book
 LA English

DISPLAY ALL OF JOURNAL

AN 2008:W0102 FSTA
 TI Chemical composition, in vitro fermentation characteristics, and in vivo digestibility responses by dogs to select corn fibers.
 AU Guevara, M. A.; Bauer, L. L.; Abbas, C. A.; Beery, K. E.; Holzgraefe, D. P.; Cecava, M. J.; Fahey, G. C., Jr.
 CS Correspondence address, G. C. Fahey, Jr., Dep. of Animal Sci., University of Illinois, Urbana, IL 61801, USA. Tel. (217) 333-2361. Fac (217) 333-7861. E-mail gcfahay(a)uiuc.edu
 SO Journal of Agricultural and Food Chemistry, (2008), 56 (5) 1619-1626, 32 reference
 ISSN: 0021-8561
 DT Journal

LA English
 AB The objective of this study was to examine the chemical composition, in vitro fermentation characteristics, and in vivo digestibility responses of fibre-rich corn coproducts resulting from corn wet milling. Native corn fibres, native corn fibres with fines, hydrolysed corn fibers and hydrolysed extracted corn fibres were analysed chemically and their capacity to produce short-chain fatty acids determined. Ash content was low (<1.2%), crude protein content varied little, but fat and fibre concentration varied widely. Most fibre was in the insoluble form, with glucose being predominant followed by xylose. Total short-chain fatty acid production ranged from 211.6 to 699.52 $\mu\text{mol/g}$ of dry matter, whereas branched-chain fatty acid production was low. 4 corn fibres (native and processed) were included in a canine diet matrix at the 7% inclusion level. Nutrient digestibility, food intake and faecal characteristics were not affected by corn fibre inclusion in canine diets, suggesting that they should be considered as potential dietary fibre sources in dog foods.

CC W
 CT CORN; DIGESTIBILITY; FIBRE; MILLING; PET FOODS; DOG FOODS; WET MILLING

DISPLAY IALL OF PATENT

ACCESSION NUMBER: 2008:W0090
 TITLE: Adhesive base for container, especially a disposable pet food container.
 INVENTOR: Collins, M. G.; Collins, N. S.
 PATENT ASSIGNEE: Petfast Ltd.; Petfast, Wilmslow SK9 1AA
 SOURCE: UK Patent Application, (2008) reference
 PATENT INFORMATION: GB 2441819 A
 PRIORITY APPLN. INFO: GB 2006-17975 20060913
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 ABSTRACT: A disposable pet food container with an adhesive base is described. The lower surface of the base of the container is covered with an adhesive layer which allows the container to be adhered to a support surface. A protruding region on the base of the container contacts the support surface before the remainder of the lower surface so that the bulk of the weight of the container acts through the protruding region which causes sufficient contact to be made between the lower surface of the base and the support surface to allow the container to be adhered to the support surface without needing an application of force great enough to cause deformation of the container. This allows the amount of material used to manufacture the container to be reduced, decreasing the cost and improving the commercial viability of the container. The outer surface of the adhesive layer is covered by a release paper. The container has a sealed cover which can be peeled away from a flange lip using a pull tab.

CLASSIFICATION CODE: W
 CONTROLLED TERM: ADHESION; CONTAINERS; PATENTS; PET FOODS