

FSTA (Food Science and Technology Abstracts)

- Subject Coverage**
- Additives, spices and condiments
 - Alcoholic and non-alcoholic beverage
 - Biotechnology
 - Breeding
 - Catering, speciality and multi-component foods
 - Cereals and bakery products
 - Cocoa, chocolate and sugar confectionary products
 - Economics
 - Eggs and egg products
 - Engineering
 - Enology
 - Fats, oils and margarine
 - Fish and marine products
 - Food sciences
 - Fruits, vegetables and nuts
 - Hygiene and toxicology
 - Meat, poultry and game
 - Microbiology of wine
 - Milk and dairy products
 - Morphology
 - Packaging
 - Physiology
 - Plant pathology
 - Soils
 - Sugars, syrups and starches
 - Viticulture

File Type Bibliographic

Features

Thesaurus	Controlled Term (/CT)		
Alerts (SDIs)	Weekly		
CAS Registry Numbers®	<input type="checkbox"/>	Page Images	<input type="checkbox"/>
Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>
Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>
		STN AnaVist	<input type="checkbox"/>
		STN Easy	<input checked="" type="checkbox"/>
		STN Viewer	<input type="checkbox"/>

Record Content • Bibliographic information, indexing, and in most cases an abstract.

File Size • More than 925,401 citations (04/2011)

Coverage 1969-present

Updates Weekly

Language English

Database Producer International Food Information Service
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- Sources**
- About 4,500 Journals
 - Books
 - Conference proceedings
 - Reports
 - Patents
 - Pamphlets
 - Legislation
 - Dissertations
-

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

- Clusters**
- AGRICULTURE
 - ALLBIB
 - AUTHORS
 - BIOSCIENCE
 - CORPSOURCE
 - FOOD
 - HPATENTS
 - PATENTS
 - TOXICOLOGY
- [STN Database Clusters](#) information (PDF)
-

Pricing See the [STN Price List](#) or enter HELP COST at an arrow prompt.

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 title (TI), abstract (AB), controlled term (CT) and trade name (TN) fields)	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 (or /IN)	S MARTH, E H/AU S MARTH E H/AU	AU, SO
Classification Code (code and text) (1)	/CC	S A/CC S NON-ALCOHOLIC BEVERAGES/CC	CC
Controlled Term	/CT	S PROTEIN PRODUCTS/CT	CT
Controlled Word	/CW	S ACID/CW	CT
Corporate Source (or Patent Assignee) (1)	/CS (or /PA)	S KYOTO UNIV?/CS	CS
Document Type (code and text)	/DT (or /TC)	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(2)	/PN (or /PATS)	S EP50394/PN S EP--50394/PATS	PI
Patent Number, Original	/PNO	S US 2001/0003593 A1/PNO	PNO
Priority Country (3)	/PRC	S L1 AND JP/PRC	PRAI
Priority Date (3,4)	/PRD	S L1 AND 19821220/PRD	PRAI
Priority Number (2,3)	/PRN (or /APPS)	S US1983-539661A/PRN S 1983US-539661A/PRN	PRAI
Priority Number, Original	/PRNO	S "US 001677 (19971231)"/PRNO	PRNO
Priority Year (3,4)	/PRY	S 1991/PRY	PRAI
Publication Year (4)	/PY	S L2 AND 1985-1988/PY	PY, SO, PI
Reference Count (4)	/REC (or /RE.CNT)	S REC=10	REC, SO
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
Summary Language (ISO code and text)	/SL	S L1 AND ENGLISH/SL S L1 AND EN/SL	SL
Title	/TI	S CITRUS FRUIT#/TI	TI
Trade Name	/TN (or /CN)	S SWEETZYME T/TN	
Update Date (4)	/UP (or /ED)	S L1 AND UP=JAN 2002	UP
Word Count, Title (4)	/WC.T	S WC.T=>15	WC.T

(1) Search with implied (S) proximity is available.

(2) Patent and priority numbers are available in Derwent and STN format. STN is the default. Enter SET PAT DERWENT to change to the Derwent format. To return to the STN format, enter SET PAT STN.

(3) Priority information is available for records since 1988 only.

(4) Numeric search field that may be searched with numeric operators or ranges.

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, 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 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. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	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	D CC, TI
CS (PA)	Corporate Source (or Patent Assignee)	D TI AU CS
CT	Controlled Term	D CT, TI
DT	Document Type	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 (PRN, APPS) (2)	Priority Information	D PRAI, SO
PRNO (1)	Priority Number, Original	D PRNO
PY (1)	Publication Year	D PY
REC (RE.CNT) (1)	Reference Count	D REC
SL	Summary Language	D SL, TI
SO	Source	D SO
TI	Title	D TI, SO
TN (CN)	Trade Name	D TN
UP (ED) (1)	Update Date	D UP
WC.T (1)	Word Count, Title	D WC.T

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
ABS ALL (2) DALL (2) IALL (2) BIB (2) IBIB (2) IND SCAN (3) TRIAL (TRI, SAMPLE, 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 (BIB is the default) 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 IALL D BIB 1-10 D IBIB D IND D SCAN D TRI
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 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 (2)	N
Accession Number	AN	Y	Y
Author	AU (IN)	Y	Y
Citation	CIT	Y (3,4)	N
Classification Code	CC	Y	N
Controlled Term	CT	Y	N
Corporate Source	CS (PA)	Y	Y
Document Type	DT (TC)	Y	Y
Index Term	IT	Y	N
International Standard (Document) Number	ISN	Y (5)	N
Journal Title	JT	Y	Y
Language	LA	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Patent Country	PC (PCS)	Y	Y
Patent Kind Code	PK	Y	Y
Patent Number	PN (PI, PATS)	Y (6)	N
Priority Country	PRC	Y	Y
Priority Date	PRD	Y	Y
Priority Number	PRN (PRAI, APPS)	Y (6)	Y
Priority Year	PRY	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Publication Year	PY	Y	Y
Reference Count	REC (RE.CNT)	Y	Y
Source	SO	Y (7)	N
Summary Language	SL	Y	Y
Title	TI	Y (default)	Y
Trade Name	TN (CN)	Y	Y
Update Date	UP (ED)	Y	Y
Word Count, Title	WC.T	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) 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.
- (5) Selects ISSN and ISBN with /ISN appended to the terms created by SELECT.
- (6) SELECTed, ANLYZed and SORTed patent and priority numbers are in the format set by the Messenger SET PATENT command either Derwent or STN.
- (7) Selects ISSN and ISBN with /SO appended to the terms created by SELECT.

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 gcfahey(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

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