



Meet the Database: FSTA

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Agenda

1. Content and Coverage
2. Database Features
3. Search Tips



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FSTA Content and Coverage

- Food Science and Technology Abstracts (FSTA) is produced by International Food Information Service (IFIS)
- First published in print in 1969 – full database available on STNext
- Mission: To “empower the global food community to focus on authoritative sources and relevant research, all directly relating to the sciences of food and health”



What Topics are Covered in FSTA?



Agriculture	Environmental Health	Pet Foods
Agronomy	Food manufacturing	Plant science
Analytical techniques	Food safety	Psychology
Animal science	Functional foods	Public health
Biotechnology	Genetics and genomics	Sport science
Brewing and distilling	Meat science	Toxicology
Dairy science and dairy alternatives	Metabolomics	Veterinary medicine
Economics, business, and management	Microbiology	Viticulture and oenology
Endocrinology	Packaging	Waste management and recycling

Where does FSTA's information come from?

- Over 1.5M high-quality English-language abstracts directly related to food and health sciences
- Drawn from over 5,475 active and historical journals, indexed and curated by experts
- Other data sources include: Books, trade publications, reviews, conference proceedings, reports, patents, and standards.
- Information from sources in 37 languages, from publishers in 62 countries
- Updated weekly



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Database features on STNext

- FSTA includes the world's most comprehensive food terms thesaurus, containing over 12K food science keywords, organized into hierarchies

=> E FRUIT JUICE/CT

E#	FREQUENCY	AT
--	-----	--
E1	23	5
E2	114	4
E3	0	--
E4	1656	7
E5	969	14
E6	14721	72
E7	90	4
E8	96	8

=> E FRUIT JUICES+ALL/CT

E13	99549	BT3	foods/CT
E14	2559	BT2	PLANT FOODS/CT
E15	10567	BT1	FRUIT PRODUCTS/CT
E16	55997	BT2	beverages/CT
E17	9147	BT1	SOFT DRINKS/CT
E18	14721	-->	FRUIT JUICES/CT
E19	3561	NT1	APPLE JUICES/CT
E20	181	NT2	APPLE CI
E21	190	NT2	APPLE JU
E22	84	NT1	APRICOT J
E23	89	NT1	BANANA JU
E24	38	NT1	BARBADOS
E25	351	NT1	BERRY JUICES/CT

=> S E18+NT

L3 28050 "FRUIT JUICES"+NT/CT (61 TERMS)

Database features on STNext

- Numeric Property Searching (NPS) is enabled in FSTA, and physical properties field (/PHP) is available and included in the Basic Index (/BI)

```
=> L10 ANSWER 1 OF 5 FSTA COPYRIGHT 2021 IFIS on STN.  
AB  
L10 ANSWER 2 OF 5 FSTA COPYRIGHT 2021 IFIS on STN.  
AB  
L10 ANSWER 4 OF 5 FSTA COPYRIGHT 2021 IFIS on STN.  
AB  
... metabolism in asparagus after harvest, protein, amino acid and  
ammonia levels and glutamine synthetase activity were monitored in tip  
sections (0-30 mm) of asparagus spears (Asparagus officinalis L.  
cv. Limbras 10) stored for up to 48 h in continuous light or dark at  
20°C. The patterns. . .
```

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Tips for searching FSTA on STNNext

- Use EXPAND in the /PHP field to see all available physical properties. Searches with physical property field codes are carried out in the /TI and/AB fields
- Basic Index (/BI) includes single words from TI, AB, CT, and TN fields
- Other common searchable fields include AU/IN, PN, CS/PA, DT, SO
- Most search fields available for ANALYZE and SELECT

=> E A/PHP 25

**** START OF FIELD ****

E3	0	--> A/PHP
E4	6663	AMOUNT OF SUBSTANCE/PHP
E5	6663	AOS/PHP
E6	3679	AREA/PHP
E7	11	BIR/PHP
E8	107	BIT/PHP
E9	11	BIT RATE/PHP
E10	582	CAP/PHP
E11	582	CAPACITANCE/PHP
E12	12	CDN/PHP
E13	37618	CMOL/PHP
E14	5484	CON/PHP

Tips for searching FSTA on STNext



- FSTA appears in the following clusters, for easy multifile searching:
 - AGRICULTURE, ALLBIB, AUTHORS, BIOSCIENCE, CORPSOURCE, ENVIRONMENT, FOOD, HPATENTS, NPS, PATENTS, TOXICOLOGY
- For a list of applicable relationship codes in the FSTA thesaurus, enter **HELP RCODES** at the command prompt
- Alerts (SDIs) are available on a weekly basis in FSTA

Additional Resources

- FSTA user documentation from STN International
 - <https://www.stn-international.com/database-summary-sheets/fsta>
- Official IFIS FSTA site
 - <https://www.ifis.org/fsta>
- Numeric Property Searching documentation
 - <https://www.stn-international.com/en/training-center/documentation/numeric-property-search-stn>



Questions? Feedback?



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