

# CAB ABSTRACTS

## ONTAP® CAB ABSTRACTS (File 250)

### FILE DESCRIPTION

**CAB ABSTRACTS** is a comprehensive file of applied life science information containing all records in the 44 abstract journals published by CAB International (CABI), plus many more records which appear online only.

CABI has long been recognized as a leading scientific information service in agriculture and related sciences. Of particular note are sections in the database comprehensively covering literature in the fields of veterinary medicine, human nutrition, horticulture, forestry, leisure, recreation, and tourism.

More than 9,000 serial journals in more than 50 languages are scanned, as well as books, reports, and other publications. About 225,000 items per year are selected for inclusion in CAB Abstracts. Roughly 95 percent of the literature is abstracted, while less important works are reported with bibliographic details only. An online thesaurus is available as an aid in locating broader, narrower, and related subject terms. File 250, **ONTAP CAB ABSTRACTS**, is available for **ON**line **T**raining **A**nd **P**ractice; it contains approximately 38,000 CAB ABSTRACTS records from early 1993.

### SUBJECT COVERAGE

**CAB ABSTRACTS** covers every branch of the applied life sciences, including:

- Agricultural biotechnology
- Agricultural economics & rural sociology
- Agricultural engineering
- Animal health & veterinary medicine
- Animal production & genetics
- Biodeterioration & biodegradation
- Crop production
- Crop protection
- Dairy science
- Environmental degradation, conservation, & amelioration
- Forestry
- Genetic resources
- Horticulture
- Human nutrition & diet-related disorders
- Human parasitic diseases
- Leisure, recreation, & tourism
- Plant breeding & genetics
- Postharvest science
- Soil science
- Sugar industry
- Rural development

### SOURCES

The material scanned for CAB ABSTRACTS includes the following: scientific journals, books, monographs in series, textbooks, technical reports, published theses, symposia, conference proceedings, review journals, selected patents, annual reports, bibliographies and guides, and translated journals.

### DIALOG FILE DATA

Inclusive Dates: January 1972 to the present

Update Frequency:

Weekly (Approximately 15,000 records per update)

File Size: More than 5.2M records as of June 2008

### CONTACT

**CAB ABSTRACTS** is produced by CAB International. Questions concerning file content should be directed to:

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## SAMPLE RECORD

DIALOG(R)File 50:CAB Abstracts 1973-2008/May W4  
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**AA=** 0009442369 CAB Accession Number: 20073291233  
**/TI** The joint use of LCA and emergy evaluation for the analysis of two Italian wine farms.  
**AU=** Pizzigallo, A. C. I.; Granai, C.; Borsa, S.  
 Author email address: granai2@unisi.it  
**CS=** Department of Chemical and Biosystems Sciences, University of Siena, Via A. Moro, 2-53100 Siena, Italy.  
**JN=,SO=** Journal of Environmental Management vol. 86 (2): p.396-406  
**PY=** Publication Year: 2008  
**SN=** ISSN: 0301-4797  
 Digital Object Identifier: 10.1016/j.jenvman.2006.04.020  
 Additional Title: SPIn-Eco: Sustainability of the Siena Province through ecodynamic indicators  
**AU** Editors: Bastianoni, S.; Tiezzi, E.  
**PU=** Publisher: Elsevier Amsterdam, Netherlands  
**LA=** Language: English  
**RT=** Record Type: Abstract  
**DT=** Document Type: Journal article

**/AB** The aim of this paper is to evaluate two agroindustrial productive processes in their entirety (one organic and one semi-industrial), focusing on the comparison of impacts derived from the inputs and outputs of the system (life cycle assessment, LCA), integrated with a physical evaluation of the resources and natural services, on a common basis (emergy). Methods based on the joint use of LCA and emergy evaluation are useful, as they measure the contribution of environmental services and products to the productive process thus focusing primarily on the environmental impact of emissions and non-renewable energy inputs. The complementarity of the methods used in this paper contributes important elements and information useful for the comprehension of the organization of agriculture within Siena's territory. The results show important elements and useful information: (1) for the comprehension of the two agroecosystems' organization; (2) for the use of the energy flows that determine their development. Moreover, the combined use of emergy and LCA gives a comparative thermodynamic performance evaluation between organic and semi-industrial farming.  
 23 ref.

**/DE** DESCRIPTORS: emission; energy; environmental impact ; grapes; non-renewable resources; organic farming; thermodynamics; wine industry ; winemaking; wines

**/ID** IDENTIFIERS: eco-agriculture; ecological agriculture; environmental effects; life cycle assessment; organic culture; Vitaceae

**/OD** ORGANISM DESCRIPTORS: Vitis; Vitis vinifera

**/GN,GN=** GEOGRAPHIC NAMES: Italy

**/BT** BROADER TERMS: Southern Europe; Europe; Mediterranean Region; Developed Countries; European Union Countries; OECD Countries; Vitis; Vitidaceae; Rhamnales; dicotyledons; angiosperms; Spermatophyta; plants; eukaryotes

**CC=,CN=** CABICODES: Plant Cropping Systems (FF150); Energy (PP100); Other Produce (QQ070); Food Processing (General) (QQ100); Food Composition and Quality (QQ500)

SEARCH OPTIONS

BASIC INDEX

SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
—	—	All Basic Index Fields	Word	S OPEN(W)FIELD?
/AB	AB	Abstract	Word	S SUSTAINABLE(W)DEVELOPMENT/AB
/BT	BT	Broader Term <sup>1</sup>	Word & Phrase	S EUKARYOTES/BT
/DE	DE	Descriptor <sup>2,3</sup>	Word & Phrase	S DEVELOPED COUNTRIES/BT
/GN	GN	Geographic Name <sup>3,4</sup>	Word & Phrase	S ORGANIC(W)FARMING/DE
/ID	ID	Identifier <sup>5,6</sup>	Word & Phrase	S ENVIRONMENTAL IMPACT/DE
/OD	OD	Biosystematic or Organism Descriptor <sup>3</sup>	Word & Phrase	S ITALY/GN
/TI	TI	Title	Word	S NEW YORK/GN
				S ECO(W)AGRICULTURE/ID
				S ENVIRONMENTAL EFFECTS/ID
				S VITIS/OD
				S VITIS VINIFERA/OD
				S EMERGY(W)EVALUATION/TI

<sup>1</sup> Higher Thesaurus terms for all terms in the OD and GN fields. Available for living organisms, chemicals, and geographic regions only.

<sup>2</sup> Also /DF.

<sup>3</sup> Descriptors include Geographic Name (/GN, GN=) and Biosystematic or Organism Descriptor (/OD).

<sup>4</sup> Searchable in the Basic Index and in the Additional Indexes.

<sup>5</sup> Also /IF.

<sup>6</sup> Identifiers are non-preferred terms not found in the CAB Thesaurus.

ADDITIONAL INDEXES

SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AA=	AA	CAB Accession Number	Phrase	S AA=20073291233
—	AN	DIALOG Accession Number		
AU=	AU	Author	Phrase	S AU=PIZZIGALLO, A. C.?
BN=	BN	International Standard Book Number (ISBN)	Phrase	S BN=90-220-1081-3
CC=	CC	CABICODE <sup>7</sup>	Phrase	S CC=FF150
CN=	CN	Text of CABICODE <sup>7</sup>	Phrase	S CN=PLANT CROPPING SYSTEMS
—	CP	Country of Publication		
CS=	CS	Corporate Source	Word & Phrase	S CS=(DEPARTMENT(1W)CHEMICAL)
				S CS=DEPARTMENT OF CHEMICAL?
CT=	CT	Conference Title	Word	S CT=(AGRICULTURAL(W)BIOTECHNOLOGY)
DT=	DT	Document Type	Phrase	S DT=JOURNAL ARTICLE
—	EL	Author E-mail		
GN=	GN	Geographic Name <sup>3,4</sup>	Word & Phrase	S GN=ITALY
				S GN=DEVELOPED COUNTRIES
—	II	Digital Object Identifier		
JN=	JN	Journal Name <sup>8</sup>	Phrase	S JN=JOURNAL OF ENVIRONMENTAL?
LA=	LA	Language	Phrase	S LA=ENGLISH
PU=	PU	Publisher <sup>9</sup>	Word	S PU=(ELSEVIER AND AMSTERDAM)
PY=	PY	Publication Year	Phrase	S PY=2008
—	RF	Number of References		
RN=	RN	CAS(R) Registry Number	Phrase	S RN=9005-53-2
RT=	RT	Record Type	Phrase	S RT=ABSTRACT
SL=	SL	Summary Language	Phrase	S SL=ITALIAN
SN=	SN	International Standard Serial Number (ISSN)	Phrase	S SN=0301-4797
SO=	SO	Source Information <sup>10</sup>	Word	S SO=(CORNELL(W)UNIVERSITY)
UD=	—	Update	Phrase	S UD=9999

<sup>7</sup> Also searchable as SH=.

<sup>8</sup> Also searchable with SO=.

<sup>9</sup> The data in this field consists of two parts - publisher's name and publisher's location, but the location is not always present. For most comprehensive retrieval, search by publisher name only.

<sup>10</sup> Search field includes: journal name, volume, issue, and page numbers. Display varies depending on document type.

**SPECIAL FEATURES**

For command descriptions, enter HELP LIMIT, HELP SORT, HELP RANK, HELP MAP, HELP DUP, HELP CURRENT online.

<b>LIMIT</b>	/ABS -- Abstract Present /ENG -- English Language /NOABS -- No Abstract Present /NONENG -- Non-English Language /YYYY -- Publication Year	S VITICULTURE/ABS S EMERGY/ENG S FOREST?/NOABS S WOOL/NONENG S S2/2008
<b>SORT</b>	AU, CS, JN, PY, TI	SORT S1/ALL/JN SORT S2/ALL/PY/D
<b>RANK</b>	All phrase- and numeric-indexed fields in the Additional Indexes can be ranked. Other RANK codes include: DE, ID	RANK DE RANK AU S4
<b>MAP</b>	RN	MAP RN TEMP S2
<b>RD, ID</b>	Remove duplicates (RD) or identify duplicates (ID,IDO).	RD S5
<b>CURRENT</b>	Search only the most recent year plus one (CURRENT1) to five (CURRENT5) years.	B 50 CURRENT2

**PREDEFINED FORMAT OPTIONS**

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Full Record except Abstract
3	Medium	Bibliographic Citation
4	--	Full Record with Tagged Fields
5	--	Full Record
6	Short	Title and Publication Year
7	Long	Bibliographic Citation and Abstract
8	Free	Title, Indexing, and Publication Year
9	Full	Full Record
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

**OTHER OUTPUT OPTIONS**

For an explanation, enter HELP TYPE, HELP UDF, HELP TAG online.

<b>USER DEFINED FORMATS</b>	Display codes listed in the Search Options tables can be used to customize output.	TYPE S3/TI,AU,JN,PY/1-5 PRINT S1/TI,AB/ALL
<b>TAG</b>	Output can be displayed with tags identifying each display field.	TYPE S3/9/1-10 TAG PRINT S1/5/ALL TAG DISPLAY S2/2/ALL TAG
<b>DIRECT RECORD ACCESS</b>	If the accession number of a specific record is known, it can be used to display the record directly.	TYPE 0007591138/9 DISPLAY 0009433105/5 PRINT 0009441217/4

**FOR ONLINE HELP:**

See HELP FIELDS 50 for searchable fields; HELP FORMAT 50 for output formats; HELP LIMIT 50 for limits; HELP RATES 50 for cost information; HELP SORT 50 for sorts.