

Klasifikacije - biotehniške in biološke

Klasifikacijski sistemi se uporabljajo za razvrščanje dejavnosti oz. pojmov v vsebinsko sorodne skupine. Vsebinski okvir je lahko različen. Klasifikacija lahko zajema različne dejavnosti, vede oziroma discipline ali pa pokriva bolj specializirano področje. Klasifikacijski sistemi se razlikujejo tudi glede na to, ali zajemajo znanstvene, tehnične, pravne, tržne ali druge vidike. Pristopi so drugačni, razlikujejo pa se tudi posamezne kategorije ali podkategorije.

Navadno se razlikuje tudi hierarhična globina. Največ vsebinsko širših klasifikacij zajema dve ravni, hierarhičnih ravni pa je lahko tudi več. Našteto velja tudi za klasificiranje biotehniških/kmetijskih vsebin. Pri tem ne gre pozabiti, da se številne biotehniške dejavnosti povezujejo tudi interdisciplinarno, zato je marsikatero vsebino oz. pojem moč najti tudi pod drugimi širšimi kategorijami.

Pravi klasifikacijski sistemi so namenjeni predvsem iskanju informacij na temelju nekega širšega vsebinskega kriterija. Za ta namen so pogosto na voljo tudi šifranti oz. alfanumerične kode, ki se uporabljajo pri iskanju (npr. predmetne kategorije CAB, Agris: *CABI Codes*, *Agris Category Codes*), lahko pa se uporabljajo tudi kar sami pojmi, sistematizirani z nekim določenim imenom ali skupino imen (npr. FSTA).

Pri klasifikacijah ne gre zamenjevati pojma *predmetne kategorije* (codes, categories) s pojmom *deskriptorji* (descriptors). Predmetne kategorije so namenjene klasifikaciji oz. iskanju s širokimi vsebinskimi vidiki, deskriptorji pa so namenjeni označevanju oz. indeksiranju ter iskanju z vsebinsko mnogo ožje določenimi pojmi. Zato se klasifikacijske sheme razlikujejo od deskriptorskih seznamov (tezavri). Klasifikacijske sheme najpogosteje zajemajo le nekaj deset kategorij in podkategorij, medtem ko lahko tezavri vsebujejo več tisoč ali celo deset tisoč deskriptorjev. Ena od izjem so predmetne oznake zbirke Medline (MeSH), kjer ni razlike med kategorijami in deskriptorji, pač pa najširša klasifikacijska shema hierarhično prehaja v drevesasti tezaver deskriptorjev.

V nekaterih sistemih ni možno iskati s klasifikacijskimi kategorijami, pač pa so take kategorije včasih namenjene predvsem informaciji o vsebinskem področju, ki ga zajema posamezna sekcija nekega informacijskega sistema.

Na naslednjih straneh prikazujemo primere različnih biotehniških in bioloških klasifikacijskih sistemov, v nadalnjem gradivu pa tudi druge izbrane naravoslovne ali tehniške klasifikacije, ki zajemajo tudi biotehniške vsebine. Predstavljene so le izbrane in bolj uporabljane klasifikacije, podobnih sistemov pa je še veliko več.

KLASIFIKACIJE BIOTEHNIŠKIH IN BIOLOŠKIH INFORMACIJSKIH SISTEMOV

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AGRIS Category Codes

V namenskih programih (*OVID*; *SPIRS*) iščemo s priponama **CC** (*kode oz. šifre*) ter **CD** (*imena za kategorije*); vedno lahko uporabljamo male črke.

Prim. (*SPIRS*, *WinSPIRS*, *WebSPIRS*):

e70 *in cc*

trade marketing and distribution *in cd*

trade* *in cd*

Polje CC išče po šifrah za imena kategorij. Polje CD pa po celotnih imenih kategorij. Polje CD je pri zbirki Agris indeksirano kot fraza, zato ne moremo iskati s posameznimi besedami, ampak le z imenom cele (pod)kategorije, ali z začetkom fraze simbolom za desno krajšanje oz. maskiranje (*).

A - KMETIJSTVO (SPLOŠNO)

A01 **biotehnika - splošno** agriculture- general aspects

A50 **biotehniške raziskave** agricultural research

B - GEOGRAFIJA IN ZGODOVINA

B10 **geografija** geography

B50 **zgodovina** history

C - IZOBRAŽEVANJE, SVETOVANJE IN INFORMATIKA

C10 **izobraževanje** education

C20 **pospeševanje** extension

C30 **dokumentacija, informatika** documentation and information

D - JAVNA UPRAVA IN ZAKONODAJA

D10 **javna uprava** public administration

D50 **zakonodaja** legislation

E - AGRARNA EKONOMIKA IN RURALNA SOCIOLOGIJA

E10 **agrarna ekonomika** agricultural economics and policies

E11 **zemljiška ekonomika in politika** land economics and policies

E12 **delavci in zaposlitev** labour and employment

E13 **naložbe, denar, krediti** Investment, finance and credit

E14 **razvojna ekonomika in politika** development economics and policies

E16 **proizvodna ekonomika** production economics

E20 **organizacija, uprava, vodenje kmetijskih podjetij in kmetij** organization, administration and management of agricultural enterprises and farms

E21 **agroindustrija** Agro-industry

E40 **zadružništvo** cooperatives

E50 **sociologija podeželja** rural sociology and rural security

E51 **kmečko prebivalstvo** rural population

E70 **cene in trg** trade marketing and distribution

E71 **mednarodna trgovina** international trade

E72 **domača trgovina** Domestic trade

E73 **ekonomika porabe** Consumer economics

E80 **gospodinjstvo in obrt** Home economics, industries, and crafts

E90 **agrarna struktura** agrarian structure

F - ZNANOST O RASTLINAH IN PROIZVODNJA

F01	pridelovanje rastlin - splošno	crop husbandry
F02	razmnoževanje rastlin	plant propagation
F03	semenarstvo	seed production and processing
F04	gnojenje	fertilizing
F06	namakanje	irrigation
F07	obdelovanje tal	soil cultivation
F08	sistemi pridelovanja in kolobarjenja	cropping patterns and systems
F30	rastlinska genetika, žlahtnjenje	plant genetics and breeding
F40	rastlinska ekologija	plant ecology
F50	rastlinska zgradba	plant structure
F60	rastlinska fiziologija in biokemija	plant physiology and biochemistry
F61	rastlinska fiziologija - prehrana	plant physiology - nutrition
F62	rastlinska fiziologija - rast in razvoj	plant physiology - growth and development
F63	rastlinska fiziologija - reprodukcija	plant physiology - reproduction
F70	rastlinska taksonomija in geografija	plant taxonomy and geography

H - VARSTVO RASTLIN

H01	rastlinsko varstvo - splošno	protection of plants - general aspects
H10	rastlinski škodljivci	pests of plants
H20	rastlinske bolezni	plant diseases
H50	druge motnje pri rastlinah	miscellaneous plant disorders
H60	plevel, razpleveljenje	weeds and weed control

J - TEHNOLOGIJA SPRAVILA PRIDELKOV

J11	spravilo rastlinskih pridelkov	handling, trans.p., storage and protect. of plant prod.
J12	spravilo gozdnih proizvodov	handling, transp., storage and protect. of forest prod.ucts

K - GOZDARSTVO IN LESARSTVO

K01	gozdarstvo - splošno	forestry - general aspects
K10	gozdarska proizvodnja	forestry production
K11	gozdarska tehnika	forest engineering
K50	lesarstvo	processing of forest products
K70	gozdno varstvo	forest injuries and protection

L - ZNANOST O ŽIVALIH IN PROIZVODNJA

L01	živinoreja - splošno	animal husbandry
L02	krmljenje	animal feeding
L10	živalska genetika in selekcija	animal genetics and breeding
L20	živalska ekologija - obnašanje	animal ecology
L40	živalska zgradba	animal structure
L50	živalska fiziologija in biokemija	animal physiology and biochemistry
L51	živalska fiziologija - prehrana	animal physiology - nutrition
L52	živalska fiziologija - rast in razvoj	animal physiology - growth and development
L53	živalska fiziologija - reprodukcija	animal physiology - reproduction
L60	živalska taksonomija in geografija	animal taxonomy and geography
L70	veterinarstvo in higiena	veterinary sciences and hygiene - general aspects
L72	živalski zajedalci	pests of animals
L73	živalske bolezni	animal diseases
L74	druge motnje pri živalih	miscellaneous animal disorders

M - RIBIŠTVO IN AKVAKULTURA

M01	ribištvo, lov vodnih živali, akvakultura - splošno	fisheries and aquaculture - general aspects
M11	ribištvo in lov vodnih živali	fisheries production
M12	akvakultura	aquaculture production
M40	ekologija voda	aquatic ecology

N - KMETIJSKA MEHANIZACIJA IN TEHNIKA

N01	kmetijska tehnika, inženiring	agricultural engineering
N10	kmetijske zgradbe	agricultural structures
N20	kmetijska mehanizacija in oprema	agricultural machinery and equipment

P - NARAVNI VIRI IN OKOLJE

P01	varstvo narave in naravni viri	nature conservation and land resources
P06	obnovljivi energijski viri	renewable energy resources
P10	vodni viri in vodno gospodarstvo	water resources and management
P11	osuševanje, drenaža	drainage
P30	pedologija in raba tal	soil science and management
P31	tla - geodezija in kartiranje	soil surveys and mapping
P32	tla - klasifikacija in geneza	soil classification and genesis
P33	tla - kemija in fizika	soil chemistry and physics
P34	tla - biologija	soil biology
P35	tal - rodovitnost	soil fertility
P36	tla - erozija, varstvo, pridobivanje	soil erosion, conservation and reclamation
P40	meteorologija in klimatologija	meteorology and climatology

Q - PREDELAVA KMETIJSKIH PRIDELKOV

Q01	živilstvo	food science and technology
Q02	živila - predelava in konzerviranje	food processing and preservation
Q03	živila - onesnaževanje in toksikologija	food contamination and toxicology
Q04	živila - sestava	food composition
Q05	živila - dodatki	food additives
Q51	predelava krmil (krme)	feed technology
Q52	krmila - predelava in konzerviranje	feed processing and preservation
Q53	krmila - onesnaževanje in toksikologija	feed contamination and toxicology
Q54	krmila - sestava	feed composition
Q55	krmila - dodatki	feed additives
Q70	kmetijski odpadki - predelava	processing of agricultural wastes
Q80	embalaža	packaging

S - PREHRANA LJUDI

S01	prehrana ljudi - splošno	human nutrition - general aspects
S20	prehrana ljudi - fiziologija	physiology of human nutrition
S30	hrana in prehranske bolezni ljudi	diet and diet related diseases
S40	programi prhrane ljudi	nutrition programmes

T - OKOLJE

T01	onesnaževanje okolja	pollution
T10	poklicne bolezni in nezgode	occupational diseases and hazards

U - METODOLOGIJA

U10	matematične in statistične metode	mathematical and statistical methods
U30	raziskovalne metode	research methods
U40	metode pregledovanja in snemanja	surveying methods

CABI - Codes

V sistemu OVID iščemo s priponama *.CC* (kode oz šifre) ter *.CW* (imena za kategorije)

Prim.:

LL040.*cc*

animal.*cw*

soil.*sw* and classification.*cw*

Polje CC išče po šifrah za imena kategorij, pri CW pa lahko uporabljamo tudi posamezne besede iz imena za kategorije. Če želimo kombinirati več besed, uporabimo iskalne operatorje.

KATEGORIJE (izbor):

Administration of Agencies and Organizations

Agricultural Products

Agriculture

Animal Science

LL001 Unallocated Animal Science Records (Discontinued)

LL010 Beekeeping and Bees

LL020 Sericulture

LL030 Culture of other Invertebrates (Not Aquaculture)

LL040 Laboratory Animal Science

LL050 Game Farming, Game Management and Game Utilization

LL060 Draught Animals

LL070 Pets and Companion Animals

LL080 Zoo Animals

LL100 Animal Husbandry (General)

LL110 Animal Husbandry (Dairy)

LL120 Animal Husbandry (Meat)

LL130 Animal Husbandry (Eggs)

LL140 Animal Husbandry (Wool and Other Fibres)

LL150 Animal Husbandry (Other Products)

LL190 Animal Slaughter

LL200 Animal Breeding and Genetics

LL210 Animal Reproduction and Development

LL220 Animal Genetics

LL300 Animal Behaviour

LL500 Animal Nutrition (General)

LL510 Animal Nutrition (Physiology)

LL520 Animal Nutrition (Production Responses)

LL600 Animal Physiology and Biochemistry (Excluding Nutrition)

LL700 in vitro Culture of Animal Tissue

LL800 Animal Health and Hygiene (General)

LL810 Animal Welfare

LL820 Parasites, Vectors, Pathogens and Biogenic Diseases of Animals

LL860 Animal Disorders (Not caused by Organisms)

LL870 Animal Injuries

LL880 Animal Treatment and Diagnosis (Non Drug)

LL900 Animal Toxicology, Poisoning and Pharmacology Aquatic Sciences

Auxiliary Disciplines

Biotechnology

Economics

Engineering and Safety

Food Science and Food Products (Human)

Forage and Feed Products (Non-human)

Forestry, Forest Products and Agroforestry

KK100 Forestry (General)

KK110 Silviculture

KK120 Forest Mensuration and Management
KK130 Forest Fire Management
KK140 Protection Forestry
KK150 Other Land Use
KK160 Arboriculture
KK500 Forest Products (General)
KK510 Wood Properties and Utilization
KK515 Wood Processing
KK520 Forest Products (Wood-based Materials)
KK530 Forest Products (Pulping and Chemical Utilization of Wood)
KK540 Forest Products (Miscellaneous, including Minor Forest Products)
KK600 Agroforestry
History and Biography
Human Health and Hygiene
Medical and Veterinary: Helminthology / Protozoology / Entomology
Natural Resources
Pathogen, Pest and Parasite Management
Plants of Economic Importance
FF000 Plants of Economic Importance (General)
FF020 Plant Breeding and Genetics
FF030 Plant Morphology and Structure
FF040 Plant Composition
FF060 Plant Physiology and Biochemistry
FF061 Plant Nutrition
FF062 Plant-Water Relations
FF100 Plant Production
FF150 Plant Cropping Systems
FF160 Plant Propagation
FF170 in vitro Culture of Plant Material
FF400 Mycorrhizas and Fungi of Economic Importance; Symbiotic Nitrogen Fixation
FF500 Weeds and Noxious Plants
FF600 Pests, Pathogens and Biogenic Diseases of Plants
FF700 Plant Disorders and Injuries (Not caused directly by Organisms)
FF800 Plant Toxicology
FF900 Environmental Tolerance of Plants
Professions, Education, Information and Training
Sociology
Soil Science
Soil Science
JJ000 Soil Science
JJ100 Soil Biology
JJ200 Soil Chemistry and Mineralogy
JJ300 Soil Physics
JJ400 Soil Morphology, Formation and Classification
JJ500 Soil Surveys and Land Evaluation
JJ600 Soil Fertility
JJ700 Fertilizers and other Amendments
JJ800 Soil Water Management
JJ900 Soil Cultivation
Wastes
Administration of Agencies and Organizations

Biological Abstracts - BIOSIS - Concept Codes

V sistemu OVID iščemo s pripono .CC

Prim.:

52803.cc

Soil Science- Genesis, Morphology, Classification, Geology.cc

Soil Scienc\$.cc

Polje CC je pri Biol. Abstr. indeksirano kot fraza, zato ne moremo iskati s posameznimi besedami, ampak le z imenom cele kategorije (sekcije), ali z začetkom fraze in ustreznim simbolom za desno krajšanje oz maskiranje

KATEGORIJE (izbor):

ECOLOGY, BEHAVIOR, ENVIRONMENT & EVOLUTION

BEHAVIORAL BIOLOGY

ECOLOGY; ENVIRONMENTAL BIOLOGY

EVOLUTION...

DEVELOPMENTAL & CELL BIOLOGY & GENETICS

DEVELOPMENTAL BIOLOGY - EMBRYOLOGY

TISSUE CULTURE, APPARATUS, METHODS & MEDIA

IN VITRO STUDIES, CELLULAR & SUBCELLULAR...

BIOCHEMISTRY, METABOLISM, NUTRITION & PHYSIOLOGY

CLINICAL BIOCHEMISTRY; GENERAL METHODS & APPLICATIONS

COMPARATIVE BIOCHEMISTRY, GENERAL

BIOCHEMISTRY - PHYSIOLOGICAL WATER STUDIES

NUTRITION

FOOD TECHNOLOGY

IMMUNOLOGY & IMMUNOCHEMISTRY

PHYSIOLOGY, GENERAL & MISCELLANEOUS

BODY SYSTEMS

CHORDATE BODY REGIONS

DIGESTIVE SYSTEM

CARDIOVASCULAR SYSTEM

NERVOUS SYSTEM

ANATOMY & HISTOLOGY, GENERAL & COMPARATIVE ...

MICROBIOLOGY

MICROORGANISMS, GENERAL

BACTERIOLOGY, GENERAL & SYSTEMATIC

MORPHOLOGY & CYTOLOGY OF BACTERIA

SOIL MICROBIOLOGY

FOOD & INDUSTRIAL MICROBIOLOGY

DISINFECTION, DISINFECTANTS & STERILIZATION...

ZOOLOGY

CHORDATA, GENERAL & SYSTEMATIC ZOOLOGY

ANIMAL DISTRIBUTION

PALEOZOOLOGY

INVERTEBRATA, GENERAL & SYSTEMATIC ZOOLOGY

INVERTEBRATA, COMPARATIVE & EXPERIMENTAL MORPHOLOGY,

ANIMAL PRODUCTION

26502 Animal Production- General; Methods

26504 Animal Production- Feeds and Feeding

26506 Animal Production- Breeds and Breeding

POULTRY PRODUCTION

27002 Poultry Production- General; Methods

27004 Poultry Production- Feeds and Feeding

27006 Poultry Production- Breeds and Breeding

VETERINARY SCIENCE...

BOTANY

BOTANY, GENERAL & SYSTEMATIC
MORPHOLOGY, ANATOMY & EMBRYOLOGY OF PLANTS
PLANT PHYSIOLOGY, BIOCHEMISTRY & BIOPHYSICS
ECONOMIC BOTANY, GENERAL ...

AGRONOMY

52502 Agronomy- General, Miscellaneous and Mixed Crops
52504 Agronomy- Grain Crops
52506 Agronomy- Forage Crops and Fodder
52508 Agronomy- Fiber Crops
52510 Agronomy- Sugar Crops
52512 Agronomy- Tobacco Crops
52514 Agronomy- Oil Crops
52518 Agronomy- Weed Control

SOIL SCIENCE

52801 Soil Science- General; Methods (1970-)
52802 Soil Science, General (1969)
52803 Soil Science- Genesis, Morphology, Classification, Geology
52804 Soil Science, Inorganic (1969)
52805 Soil Science- Physics and Chemistry (1970-)
52806 Soil Science, Organic (1969)
52807 Soil Science- Fertility and Applied Studies (1970)

HORTICULTURE

53002 Horticulture- Temperate Zone Fruits and Nuts
53004 Horticulture- Tropical and Subtropical Fruits and Nuts; Plantation Crops
53006 Horticulture- Small Fruits
53008 Horticulture- Vegetables
53010 Horticulture- Flowers and Ornamentals
53012 Horticulture- General; Miscellaneous and Mixed Crops

FORESTRY & FOREST PRODUCTS

53500 Forestry and Forest Products

PHARMACOGNOSY & PHARMACEUTICAL BOTANY**PHYTOPATHOLOGY****PEST CONTROL, GENERAL; PESTICIDES; HERBICIDES****ECONOMIC ENTOMOLOGY****PALEONTOLOGY...****BIOMEDICINE****PSYCHIATRY****PHARMACOLOGY****PHARMACOGNOSY & PHARMACEUTICAL BOTANY...****PUBLIC HEALTH...****PUBLIC HEALTH: DISEASE VECTORS****PUBLIC HEALTH: MICROBIOLOGY****PARASITOLOGY****SANITARY ENTOMOLOGY****MEDICAL & CLINICAL MICROBIOLOGY****GENERAL****GENERAL BIOLOGY****METHODS, MATERIALS & APPARATUS, GENERAL****MICROSCOPY TECHNIQUES****MATHEMATICAL BIOLOGY & STATISTICAL METHODS****PHYSICAL ANTHROPOLOGY; ETHNOBIOLOGY****SOCIAL BIOLOGY; HUMAN ECOLOGY****TISSUE CULTURE, APPARATUS, METHODS & MEDIA****IN VITRO STUDIES, CELLULAR & SUBCELLULAR**

FSTA Sections/Subsections (Subject Coverage)

V sistemu OVID iščemo s pripono **.TS**

Prim.:

additives spices and condiments, patents.ts

additives spices\$.ts^a

additives\$.ts^a

Polje TS je pri FSTA indeksirano kot fraza, zato ne moremo iskati s posameznimi besedami, ampak le z imenom cele kategorije (sekcije), ali z začetkom fraze in ustreznim simbolom za desno krajšanje oz maskiranje

KATEGORIJE (izbor):

Additives, Spices, and Condiments ...

Alcoholic and Non-Alcoholic Beverages ...

Biotechnology ...

biotechnology enzyme systems

biotechnology fermentation technology

biotechnology general aspects

biotechnology genetics molecular biology

and recombinant dna technology and

associated techniques

biotechnology patents

biotechnology products of biotechnology

biotechnology protein engineering

biotechnology standards and legislation

Breeding ...

Catering, Speciality, and Multicomponent 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 ...

berries

citrus fruits

general aspects fruits

general aspects fruits and vegetables

general aspects vegetables

legumes

nuts and seeds

other fruits

other vegetables

patents

pome fruits

potatoes

root crops

soybeans

standards and legislation

stone fruits

tomatoes

Hygiene and Toxicology ...

Meat, Poultry, and Game ...

bovine meats and products

game and other meats and products

general aspects

ovine and caprine meats and products

patents

porcine meats and products

poultry and products

sausages

standards and legislation

Microbiology of Wine ...

Milk and Dairy Products ...

Morphology ...

Packaging ...

Plant Pathology ...

Soils ...

Sugars, Syrups, and Starches ...

Viticulture...