Attached Table 3 Appendix Table of Keywords

1) The first stage of the screening of the research fields followed by A or B in the section "Integrated Science and Innovative Science" is carried out in two separate groups. The basis for this division in two groups is the keywords shown in all the research categories (except for "Overseas Academic Research"). Make sure to select A or B based on the keyword, when applying for the research fields in the list.

2) The first stage of the screening of the research fields followed by the numbers 1 to 5 in each category of the division column is carried out in separate groups. The basis for this division in separate groups is the keywords shown in "Scientific Research (C)". Make sure to select a number from 1 to 5 based on the keyword, when applying for the research fields in the list for "Scientific Research (C)".

	egrated Science and Innovative Science	Item	cipline: Inforr	
Area: Compr	ehensive fields	Number	Research Field	Screening Sub-panel Number / Keyword
D: : !: T.6	.•			A Database, media, and information system A Database (DataBase Management System)
Discipline: Infor		1		Database (Database Manegement System,
Number Research Field	Screening Sub-panel Number / Keyword			DBMS)
	A Computational theory		B Digital content	
	B Automata theory/Formal language theory			C Multimedia
	C Theory of programs			D Information systems
	D Computational complexity theory			E Web services
Fundamenta	E Algorithm theory			F Mobile systems
1001 theory of	F Cryptosystem G Information mathematics	1	3.6 11	G Information retrieval H Graphics
informatics	H Mathematical logic		Media	J Visualization
	J Discrete structure	1004	informatics/	K Corpus
	K Computational learning theory	-	Database	L Structured document
	L Quantum computation theory	11		B User interface
	M Combinatorial optimization			M Human interface
	A Algorithm engineering			N User model
	B Parallel processing/Distributed processing			P Groupware
	C Programming paradigm/Programming language			Q Virtual reality
	theory			R Wearable appliance
	D Implementation of programming systems			S Universal design
1002 G G	E Operating system	11		T Accessibility
1002 Software	F Software engineering			U Usability
	G Software agent			A Search, logic, and inference algorithms
	H Specification/Verification of specification			B Learning and knowledge acquisition
	J Development environment	1005	Intelligent informatics	C Knowledge bases and knowledge systems
	K Development management			D Intelligent system architecture
	L Embedded software			E Intelligent information processing
	A Computer system			F Natural language processing
	A Computer architecture			G Knowledge discovery and data mining
	B Circuit and system			H Intelligent agent
	C VLSI design technology			J Ontology
	D High performance computing			K Web intelligence
	E Reconfigurable system			A Perceptual information processing
	F Dependable computing G Embedded system	-		A Pattern recognition B Image processing
	B Information network	11		C Speech processing
	H Network architecture			D Computer vision
	J Network protocol			E Information sensing
Computer	K Network security technology			F Sensor fusion
1003 system/	L Mobile network technology		Perception	G Sensing devices systems
Network	M Transport technology		information	B Intelligent robotics
	N Overlay network	1006	processing/	H Intelligent robot
	P Traffic engineering		Intelligent	J Behavior and environment recognition
	Q Network management technology		robotics	K Motion planning
	R Measurement of networks			L Sensory behavior system
	S Ubiquitous computing]		M Autonomous system
	T Large scale network simulation			N Digital human model
	U Interoperability			P Animation
	V Network node operating system	1		Q Real world information processing
	W Network information representation	1		R Physical agents
	X Basic technology of providing services	J [S Intelligent room

(Discipline: Informatics) (Discipline: Informatics)

	cipline: Inform	natics)	(Discipline: Informatics)				
Item Number	Research Field	Screening Sub-panel Number / Keyword	Item Number	Research Field	Sc	cre	eening Sub-panel Number / Keyword
		A Sensitivity informatics					Research survey and experimental design
		A Sensitivity design					Multivariate analysis
		B Sensitivity expression	_				Time series analysis
		C Sensitivity recognition					Classification and pattern recognition
		D Sensitivity congnition	_				Statistical inference
		E Sensitivity robotics				F	Computational staistics and computer aided
		F Sensitivity measurement evaluation					statistics
		G Ambiguity and sensitivity				G	
		H Sensitivity information processing	_	G 1		Н	
		J Sensitivity database	1010	Statistical		J	1 × F 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
		K Sensitivity interface	41	science			Pharmaceutical statistical analysis genome
	Sensitivity	L Sensitivity physiology				L	Delia (Torrineare)
	informatics/	M Sensitivity material products					Mathematical finance
1007	Soft	N Sensitivity industry					N Data mining
	computing	P Sensitivity environmental science Q Sensitivity sociology					Spatial statistics and environmental statistics Statistics education
	computing	R Sensitivity philosophy					Statistical quality control
		S Sensitivity pedagogy	-11			S	
		T Sensitivity brain science	-11			T	8
		U Sensitivity management					J Data science
		B Soft computing	11		A		Bioinformatics
		V Neural network	1			Α	A Bioinformatics
		W Genetic algorithm	11				Genome information processing
		X Fuzzy theory				C	Proteome information processing
		Y Chaos		Bioinformatics/			Computer simulation
		Z Fractal				Е	Biosystem information sciences
		a Complex systems	1011	Life informatics	В		Vitae system informatics
		b Probabilistic information processing	_				Biological information
		A Library and information science					Neuroinformatics
		A Library science				J	Neural information processing
		B Information services C Library information systems					Artificial life system Molecular computing
		C Library information systems D Digital archives					DNA computing
		E Information organization				L	LIDNA computing
		F Information retrieval	Diag	ipline: Cerebr	al i	NI	Journagoionas
			Item	•		_	
		G Information media	Number	Research Field			eening Sub-panel Number / Keyword
	Library and	H Bibliometrics and scientometrics	_	Neuroscience			Molecular and cellular neuroscience
	information	J Construction and management of information					Developmental and regenerative neuroscience
	science/ Humanistic	resources					Neuroendocrinology
1008		B Humanistic social informatics			1 1		Clinical neuroscience
	social	K Literature information			1 1	Е	1 (Cultofffice)
		L History information	1101			F	
	informatics	M Information sociology		in general		G	
		N Law information				H	Noninvasive neuroimaging
		P Information economics				J	Computational neuroscience
		Q Management information R Educational information					Neuropsychology Neuroscience of language
		S Art information					A Brain Pathology
		T Medical information	-			10.	Neuroanatomy
		U Science and technology information	-		A	Α	A Anatomy of neural tracts
		V Intellectual property information					Neural network
		W Geographic information	1				Neurohistology
		A Cognitive psychology	1			D	Molecular neurobiology
		B Evolution/Development				Е	Neural fine structure
		C Learning/Thinking/Memorization					Neurohistochemistry and neurocytochemistry
		D Reasoning/Problem solving					Neural development and its abnormality
		E Sensation/Perception/Attention	_			Н	H Neural regeneration, remodeling and plasticity
		F Emotion/Feeling/Behavior	11			J	Experimental morphology of the nervous system
						K	Anatomical study of neuroimaging
	Cognitive	G Comparative cognitive psychology		Nerve anatomy/	1 1		
1009	Cognitive science	G Comparative cognitive psychology H Cognitive philosophy	1102		-		Neurocytology
1009	Cognitive science	G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science	1102	Nerve anatomy/ Neuropathology	В	L	Neuropathology
1009		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics	1102		В	L	Neuropathology A Cellular neuropathology
1009		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics L Comparative decision making theory	1102		В	M N	Neuropathology 4 Cellular neuropathology Nolecular neuropathology
1009		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics L Comparative decision making theory M Cognitive engineering	1102		В	M N P	Neuropathology Cellular neuropathology Molecular neuropathology Neurodegenerative diseases
1009		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics L Comparative decision making theory M Cognitive engineering N Cognitive archaeology	1102		В	M N P	Neuropathology Cellular neuropathology Molecular neuropathology Neurodegenerative diseases Developmental disorders
.009		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics L Comparative decision making theory M Cognitive engineering N Cognitive archaeology P Cognitive model	1102		В	M N P Q R	Neuropathology Cellular neuropathology Molecular neuropathology Neurodegenerative diseases Developmental disorders Senile dementia
.009		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics L Comparative decision making theory M Cognitive engineering N Cognitive archaeology	1102		В	M N P Q R	Neuropathology Cellular neuropathology Molecular neuropathology Neurodegenerative diseases Developmental disorders Senile dementia Cerebrovascular disorders
1009		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics L Comparative decision making theory M Cognitive engineering N Cognitive archaeology P Cognitive model	1102		В	M N P Q R S	Neuropathology Cellular neuropathology Molecular neuropathology Neurodegenerative diseases Developmental disorders Senile dementia Cerebrovascular disorders Metabolic diseases
		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics L Comparative decision making theory M Cognitive engineering N Cognitive archaeology P Cognitive model	1102		В	M N P Q R S	Neuropathology Cellular neuropathology Molecular neuropathology Neurodegenerative diseases Developmental disorders Senile dementia Cerebrovascular disorders Metabolic diseases J Toxic diseases
1009		G Comparative cognitive psychology H Cognitive philosophy J Brain cognitive science K Cognitive linguistics L Comparative decision making theory M Cognitive engineering N Cognitive archaeology P Cognitive model	1102		В	M N P Q R S T U V	Neuropathology Cellular neuropathology Molecular neuropathology Neurodegenerative diseases Developmental disorders Senile dementia Cerebrovascular disorders Metabolic diseases J Toxic diseases

(Discipline: Cerebral Neuroscience)

Discipline: Laboratory animal science

(Discipline: Cerebr	al Neuroscience)	Disc	cipline: Labora	atory animal science
Item Number Research Field	Screening Sub-panel Number / Keyword	Item Number	Research Field	Keyword
	A Molecular and cellular neurobiology			A Environmental facilities
	B Development, differentiation, and aging			B Infectious diseases
	C Neurotransmitters and receptors			C Cryopreservation
	D Intracellular signal transduction		T 1	D Biosafety
	E Glial cells		Laboratory	E Disease models
Neurochemistry/	F Pathophysiology and therapy of neuropsychiatric	1201	animal	F Breeding genetics
1103 Neuropharmacolo	g diseases		science	G Developmental engineering
у	G Stem cell biology, regeneration, and repair			H Laboratory animal welfare
	H Neural plasticity			J Animal experiment technology
	J Neuropharmacology			K Bioresource research
	K Drug development	<u> </u>		N Dioresource research
	L Genomic neuroscience	Diag	inlina. Diama	dical engineering
			-	
	A Neurophysiology	Item Number	Research Field	Screening Sub-panel Number / Keyword
	A Neuron, synapse, and neural circuit			A Biomedical engineering
	B Glia			A Biomedical image
	C Vision, audition, equilibrium, gustation, and			B Physiome and biosystem
	olfaction			C Bioinformation and instrumentation
	D Somatic and visceral sensation, and pain			D Biomechanics
	E Posture and motor control			E Artificial organs, regenerative medicine
	F Autonomic nervous regulation			F Biological properties
	G System neuroscience and neuroinformatics			G Biomedical control and therapy
	H Cognition, language, memory, and emotion			H Biomedical optical engineering, thermal
	J Functional neuroimaging			engineering
			Biomedical	
Neurophysiolog	K Neurogenesis, development, regeneration, and		engineering/	J Medical micromachines, nanomachines
1104 y and muscle	repair	1301	Biological	K Nanobiology, nanomedicine
physiology	L Neurological pathophysiology		material	L Bioimaging
	B Muscle physiology		science	B Biomaterial science
	M Muscle contraction mechanism and energetics		science	M Biomaterials
	N Excitation-contraction coupling			N Biofunctional materials
	P Molecular neurophysiology and molecular motor			P Cell/Tissue engineering
	Q Receptors and intracellular signal transduction			Q Biocompatible materials/Biosuitable materials
	R Neural control of muscle and skeletal, cardiac,			R Intelligent materials
	and smooth muscles			S Bioconjugate materials
	S Cardiac excitation and conduction abnormalities			T Materials for regenerative medicine and
	T Myocardial dysfunction and regeneration			engineering
	U Cardiac and smooth muscle remodeling			U Drug delivery system
	V Smooth muscle physiology	-		V Nano-biomaterials
	W Skeletal muscle physiology and pathophysilogy			A Medical ultrasonics
	A Genome brain science			B Medical imaging system
	B Epigenetics		Medical systems	C Laboratory examination system
	C Brain molecule profiling	1302		D Minimally invasive treatment system
	D Nano brain science			E Remote diagnosis and treatment system
	E Chemical biology			F Organ preservation and treatment system
	F Medicinal brain science			G Medical information system
Fusional basic	G Brain function probe			H Computational surgery
brain science	H Brain imaging			J Medical robotics
l limit science	J Luminary brain science			A Rehabilitation science
	K Neuron glial cross-interaction			A Rehabilitation medicine
	L Brain function model animals			B Disability science
	M Brain function behavioral analysis			C Physical therapy
	N Brain and rhythm			D Occupational therapy science
	P Sleep			E Speech language and hearing therapy
	A Brain morphology measurement			F Social welfare and health science
	B Brain function measurement			G Artificial sensory organs
	C Real time brain blood flow measurement		Rehabilitation	H Gerontology
	D Brain activity recording (Recording)			J Clinical psychotherapy
Fusional brain	E Brain information reading (Decoding)	1303	science/	B Welfare engineering
	F Sensory information		Welfare .	K Engineering for health and welfare
1106 recording	G Kinetic (motor) information		engineering	L Technology for activities of daily living
science	H Cognitive information			M Preventive care/Assistive technology
	J Higher brain function measurement			N Normalization
	K Brain information processing			P Barrier-free system
	L Brain function operation			Q Universal design
	M Brain machine interface			R Robotics for welfare and nursing care
	A Communication			S Technology for substituting biological function
	B Human interaction			T Technical aid
	C Social behavior			U Human interface
Fusional	D Development and education			
1107 social brain	E Sensibility, affectivity and emotion			
science	F Values, reward and punishment			
	G Motivation			
	H Neuroeconomics and neuromarketing			
	J Political brain science			
-		•		

Discipline: Health/Sports science

Discipline: Human life science

	_	-		rts science		cipline: Human	<u>1 li</u>	ıre	science
Item Number	Research Field	Sc	cree	ening Sub-panel Number / Keyword	Item Number	Research Field	S	cree	ening Sub-panel Number / Keyword
		Α		Developmental mechanisms and the body works	1		A		Home economy
		ا		Educational physiology	1		1	A	Family finance and home management
				Physical systems science				В	Family relations
			C	Biological information analysis	1			C	Lifestyle
			D	Higher brain function science	1			D	Consumer purchasing activities/Life information
			Е	Physical growth developmental science	1			Е	Human life and culture
			F	Sensory and motor development studies	1			F	Life of the aged persons
		В		Mental and physical education and culture	1	General		G	Care for aged and disabled persons
			G	Aesthetic education	1501	human life		Н	Livelihood culture
				Physical environment theory	1	sciences	L		Home economics education
	<u> </u>			Kinetic theory of leadership	1		В		Clothing and dwelling life
1401	Physical				1				Clothing life
1.101	education				1				Clothing enviornment
				Cultural theories of physical movement	1				Living and lifestyle
				Philosophy of the body	1			N	Living environment
				Life and death education	1			P	Life material
	[Psychology of physical education	1	+			Living design/Living goods
	[Affective science	IJ		A		Food and cooking
	[Outdoor education	ŧ]				Cooking and processing
	[Dance education Girls gymnastics	1				Food storage
	[Girls gymnastics Adult life stage elderly gymnastics	ŧ]			C	Sensory evaluation Food materials
	[Adult life stage elderly gymnastics Martial arts theory	ŧ]				Food materials Cooking and functional constituent
	[Martial arts theory Motion adaptation life science	ŧ]				Cooking and functional constituent Food service
\vdash		Α			1				Food service Food culture
	[A		Sports philosophy	1				Food culture Texture
	[Sports philosophy Sports history	1				Texture Food item and mastication
	[Sports history Sports psychology	1	Eating habits,	P		Proof item and mastication Diet and health
	[Sports science management	1 1500	studies on			Health and dietary life
1 1	[Sports science management Sports pedagogy	1 1302				Diet and nutrition
	[Sports pedagogy Training science	1	eating habits			Diet and nutrition Dietary education
	[Sports biomechanics	1			N	Dietary education Dietary habits
				Coaching	1				Dietary habits Dietary behavior
	[Sports talent	1				Dietary benavior Dietary information
	[Sports for the disabled	1			R	Special nutritious food
1402	Sports science			Sports for the disabled Sports sociology	1			S	Food and environment
.52	r serence		M	Sports environment	1			T	Diet plan
[]	[Cultural anthropology of sport	1				Family and dietary life
	[В		Medical and sport sciences	IJ			V	Diet evaluation
	[P	Sports physiology	IL.		1		Food management
	[Sports biochemistry	ı —		_	_	
	[Sports nutrition	Disc	ripline: Science) e/	d١٠	ication/Educational technology
	[-	Energy metabolism	Item	Dasaarah Fiald			
	[-		Number	rscarcii rield	S	71.G	ening Sub-panel Number / Keyword
	[-	Exercise and training	IJ			A	Natural science education (mathematics, science,
	[-	DPOTES GESOTGETS	IJ		1	- [earth science physical chemical biological
	<u> </u>	Ļ		Doping	IJ		1		information)
		A		Health education/Health promotion activities	IJ		L		Engineering education
	[Health education	IJ				Understanding nature
	[Health promotion	IJ				Social awareness of science
	[a management of the second of	IJ	Science		E	~
	[Pedagogy of health education	1601	Science			Experiment/Observation
	[1	caucation			2
				Smoking/Drug abuse prevention education School health	1		2		Environmental education
	[1				Industrial technology education Science higher education
	Applied			AIDS and sex education Health management	1				Science higher education History of science and technology education
	Applied health science			Health management Health information	1				History of science and technology education Science and sociocultural
	ileaiui science		L L	Health information Nutritional guidance	1				Science and sociocultural Science and technology policy
				Physical and mental health	1				Teacher education/Science communicator
	[Physical and mental health Leisure/Recreation	1	†	+		Curriculum/Pedagogy development
	[Р		Applied medical health	1				Teaching-learning support systems
	[P	Lifestyle diseases	1		1	C	Distributed collaborative learning system
	[Exercise prescription and exercise therapy	1			D	Human interface
	[R	Aging	1		F	Е	Instructional materials information system
	[<u> </u>	1	Education :			Utilization of media
_	<u> </u>			Sports immunology	1602	Educational		G	Distance education
			<u> </u>	<u> </u>	-	technology			E-learning
							2	2 J	Computer literacy
								K	Media education
								L	Learning environment
								M	Teacher's education
					L		1	N	Classroom instruction
							_	_	

	ipline: Sociolo	ogy/History of science and technology		cipline: Oncolo	y)	
Item Number	Research Field	Keyword	Item Number	Research Field	Keyword	
1701	Sociology/ History of science and technology	A Sociology of science B Bioethics C History of science D History of technology E Medical history F Industrial archaeology G Philosophy of science/Theory of science H Science, technology and society			C Signal D DNA i E Cell cy F Cance G Apopt H Cell po	r suppressor gene Iling and gene expression replication ycle r and heredity osis
Disc	ipline: Cultur	al property science	1952	Tumor biology	K Invasio	
Item Number	Research Field	Keyword			L Metast	tasis
1801	Cultural property science	A Dating methods B Material analysis C Production technique D Conservation science E Archaeological prospection F Plants and animal bodies/Human remains G Cultural property/Cultural heritage H Cultural resources J Cultural property policy			N Cancer P Angio Q Lympl R Stem of S Cellula T Cellula	hangiogenesis cells ar senescence ar immortalization ral immunity
	ipline: Museo	<u> </u>		Tumor	C Antibo	infulfity ody therapy notherapy
Item Number	Research Field	Keyword	1953	immunology	E Vaccin	ne therapy
1851	Museology	A Museum Informatics B Museum Education, Museum Pedagogy C Museum Information Systems, Museum Informatics D Museum Business Management E Public Financial and Administration of Museums F Museum Material Resources G History of Museology			J Immur A Genon B Proteo	nerapy ine nosuppression ne activation ne analysis omics analysis ssion analysis
Disc	ipline: Geogra]		D Individ	duality diagnosis of cancer -made medical treatment
Item	Research Field	Keyword		Tumor		efficacy and calculation
Number 1901	Geography	A Geography in general B Land use/Landscape C Environmental system D Regional planning E Geography education F Regional geography	1954	diagnosis	G Bioma H Tumor J Molec K Epiger L miRN M Functi	arkers r markers rule imaging nome A lonal RNA
	Geography	G Geomorphology H Climatology J Hydrology K Cartography L Geographic information system M Remote sensing	1955	Clinical oncology	B Chemo C Molec D Endoc E Drug of F Physic	rular target therapy rine therapy delivery cal therapy
D.	:1: O 1:				G Gene t	
Disc Item	ipline: Oncolo				id acid therapy	
Number	Research Field Carcinogenesi	Keyword A Genome instability B Epigenetics C Cancer genome analysis D Chemical carcinogenesis E Radiation carcinogenesis F Viral carcinogenesis G Bacterial infection and carcinogenesis H Inflammation and cancer J Laboratory animal models K Genetically-modified animals	1956	Cancer epidemiology and prevention	C Cohor D Gene-c E Prever F Chemo	nk epidemiology

Area: New multidisciplinary fields

Discipline: Environmental science

Item Number	Research Field	S	creening Sub-panel Number / Keyword
		t	A Environmetnal change
			B Biolgeochemocal cycle
			C Environmental measurements
			D Environmental model
	Environmental		E Environmental information
2001	dynamic		F Global warming
	analysis		G Global change of water cycle
			H Environmental monitering of the polar regions
			J Chemical oceanography
			K Biological oceanography
		Α	Environmental impact assessment
		Α	
			A Terrestrial, aquatic, and atmospheric impact
			assessment
			B Impact assessment on ecosystem
			C Impact assessment methods
			D Impact assessment on human health
	Environmental		E Environmental impact assessment for the future
	impact		generation
2002	assessment/		F Human activities in polar regions
	Environmental	P	Environmental policy
	policy	ь	
	poncy		G Environmental philosophy H Environmental economics
			J Environmental management
			K Environmental activities
			L Environment and society
			M Consensus forming
		-	N Environmental safety and security
		A	
			A Environmental radiation
			B Protection
			C Basic process
			D Dosimetry assessment
			E Damage
	Risk sciences		F Response
2002			G Repair
2003	of radiation/		H Sensitivity
	Chemicals		J Impact on life
			K Risk assessment
		_	Risk science of chemicals
		В	
			L Toxicology
			M Toxic substance to human
			N Estimation of trace chemicals pollution
		1	P Endocrine disrupting substances
		A	Environmental technology
			A Enviornmental conservation technology
			B Environmental restoration technology
			C Resource conservation technology
			D Energy conservation technology
	Environmental		E Recycling technology
2004	technology/		F Reduction technology of enviornmental impact
2004	Environmental	В	Environmenal materials
	materials		G Circular material design
			H Circulation and processing
			J Production system of circular materials
			K Human living environment
			L Green chemistry
			M Ecology and environment
		<u> </u>	mecology and chynolinich

Discipline: Nano/Micro science

	Item Number	Research Field	So	ree	ning Sub-panel Number / Keyword
			A		Chemical system
1				Α	Nanostructural chemistry
1					Cluster/Fine particle
1					Nano/Microreaction field
1					Single molecule manipulation
		NY 1		Е	Hierarchical structure/Superstructure
	2101	Nanostructural science			Surface/Interface nanostructure
1		science	L		Self-assembly
1			В		Physical system
					Nanostructure properties Mesoscopic physics
1					Nanoprobes
1					Quantum information
1					Nanotribology
			A		Nanomaterials
1				_	Creation of nanomaterials
1				В	Analysis and characterization of nanomaterials
				C	Nanosurface/Nanointerface
				D	Functional nanomaterials
					Nanometrology
					Formation/Control of nanostructures
1					Molecular devices
1		Nanomaterials/ Nanobioscience			Nanoparticle/Nanotubes
1	2102		В		Single-molecule science Nanobioscience
1			ь		DNA devices
1					Nano synthesis
1					Molecular manipulation
1				N	Biochip
					Single-molecule biochemistry and physiology
					Single-molecule bioinformation science
					Single-molecule science
-					Single-molecule imaging/Nanometrology
1			A		Genomic engineering Microdevices/Micromachines
1				$\overline{}$	Microelectromechanical systems/
1					Nanoelectromechanical systems
1					(MEMS/NEMS)
1				В	Microfabrication
1					Micro-optical devices
1					Microchemical systems
					Micro biosystems
-					Micromechanics
ł			Р		Microsensors
1		Microdevices/	В		Nanodevices Nanostructure fabrication
1	2103	Nanodevices			Self-assembly
1					Nanoparticle
1					Quantum dot
1				M	Carbon nanotube
					Control of nano-properties
1					Quantum effect
1					Nanoelectronic devices
ł					Nano-optical devices Spin devices
1					Molecular devices
1					Single-quantum devices
1					Nanomachines
1					

Discipline: Quantum beam science

Item Number	Research Field	Screening Sub-panel Number / Keyword		
2051	Quantum beam science	A Development of accelerator elemental technology B Synchrotron light C Neutron D Muon E Electron positron F Laser G Neutrino H Ion beam J Proton beam K Methodology L Data processing analysis M Industrial application N Medical application P Technology of compact quantum beam generator		

Disci	ipline: Social/S	Safety system science	(Dis	scipline: Genor	me science)
Item Number	Research Field	Screening Sub-panel Number / Keyword	Item Number	Research Field	Keyword
		A Social systems engineering			A Disease-associated gene
		A Social engineering			B Personalized medicine
		B Social system			C Gene diagnosis
		C Policy science			D Human genome diversity
		D Development planning			E Genome medicine
		E Management engineering		Medical	F Regenerative medicine
		F Management system	2302	genome	G Genome-wide association study
		G Operations research		science	H Human genome resquencing
		H Quality control			J Genome of model animals
		J Industrial engineering			K Disease epigenomics
		K Modeling			L Human population genetics
	Social systems	L Logistics			M Statistical genetics
	engineering/	MMarketing			N Medical informatics
	Safety system	N Finance			A Gene networks
	Safety system	P Project management			B Protein networks
		Q Environmental management			C Metabolic networks
		B Safety system			D Development and differentiation
		R Safety system		System	E Synthetic biology
		S Safety engineering	2303	genome	F Database biology
		T Crisis management		science	G Modeling and simulation
		U Urban and social disaster prevention			H Bioinformatics
		V Fire/Accident			J Database integration
		W Safety information/Environmental preparation			K Genome analysis technology
		X Community resistance to disaster (evacuation,			L Functional RNA
		panic, communication, hazard map)			M Epigenome control
		Y Reliability engineering			A Industrial genome sciences
		A Earthquake and volcano disaster mitigation	-	Applied	A Industrial animal genome
		A Seismic motion			B Industrial plant genome
		B Liquefaction			C Bacterial flora in humans and animals
		C Active fault			D Industrial microorganism genome
		D Tsunami			E Marker breeding
		E Volcanic eruption			F Genome bioengineering
		F Volcanic ejecta/Debris flow G Seismic hazard	2304	genomics	B Environmental genome sciences
			-	8	G Environmental genome
		H Volcanic hazard			H Metagenome
		J Damage prediction/Analysis/Mitigation			J Genome and symbiosis
	Natural	measures			K Biodiversity
	disaster	K Disaster mitigation and buildings			L Conservation of species
2202		B Natural disasters			M Genetic resource
	science	L Meteorological disasters	. L		N Biological database
		M Hydrological disasters			
		N Geo-hazard		ipline: Living	g organism molecular science
		P Landslide	Item Number	Research Field	Keyword
		Q Drought			A Natural product organic chemistry
		R Snow and ice disasters]		B Secondary metabolite
		S Natural disaster prediction/Analysis/Measures]		C Searching bioactive molecules
		T Lifeline disaster prevention]]		D Chemical modification of biomolecules
		U Local disaster preparedness plan and policy]	Living	E Biological function related substance
		V Rehabilitation and reconstruction engineering	2401	organism	F Molecular mechanism of activity expression
		W Disaster risk assessment] [2401	molecular	G Biosynthesis
			1	science	H Design and synthesis of bioactive molecule

Discipline: Genome science

	ld Keyword
Genome biology	A Genome structural diversity B Animal genome C Plant genome D Microbial genome E Bacterial flora genome F Organelle genome G Genome evolution H Genome architecture J Genome maintenance and restoration K Genome function expression L Gene expression regulation M Transcriptome N Proteome P Metabolome Q Epigenome R Genome database

rvaint	JC1	
		A Natural product organic chemistry
		B Secondary metabolite
		C Searching bioactive molecules
		D Chemical modification of biomolecules
	Living	E Biological function related substance
240	organism	F Molecular mechanism of activity expression
240	molecular	G Biosynthesis
-	science	H Design and synthesis of bioactive molecule
		J Combinatorial chemistry
1		K Chemical ecology
41		<u> </u>
		L Proteomics
		A in vivo functional expression
		B searching medicines
		C searching diagnosis chemicals
		D searching agricultural chemicals
	Chemical	E chemical library
240	12	F structure-activity relationship
	biology	G diversity-oriented organic synthesis
		H bioprobe
		J molecular imaging
		K biomolecule measurements
		L intracellular chemical reactions

Discipline: Resource conservation science

Item Number	Research Field	Keyword						
2501	Resource conservation science	A Conservation biology B Biodiversity conservation C Conservation of biological strains D Conservation of genetic resources E Ecosystem conservation F Native species conservation G Seed conservation H Cell/Tissue preservation J Microbial culture collections						

Discipline: Area studies

Item Number	Research Field	Keyword
	Area studies	A Europe B Russia/Slavic area C North America D Central and South America E East Asia F Southeast Asia G South Asia H West Asia/Central Asia J Africa/African history K Oceania/Oceanian history L Global studies M Cross-regional comparative studies
		N Aid/Regional cooperation

Discipline: Gender

Item Number	Research Field	Keyword
Number	Research Field Gender	Keyword A Gender differences/Gender roles B Sexuality C Social thought/Social movements/History D Law/Politics E Economy/Work F Social policy/Social welfare G Body/Expression/Media H Science and technology/Medicine/Life J Education/Human development K Development L Violence/Sex workers Violence/
		M Cross-cultural comparison
		N Women's studies/Men's studies/Queer studies

Cat	egory: Huma	nities and Social Scie	nces	(Discipline: Literature)			
A ro	a: Humanitio		Item Numbr	Research Field	Keyword		
Are	a: numamu	8			A French literature		
Disc	ipline: Philosop	y		Europeen	B German literature		
Item Number	Research Field	eyword		-	C Russian and East European literature		
		A Principles of philosophy/	Specific theories of 290:		D Other European literatures		
		philosophy		literature	E Western classics		
		B Principles of ethics/Speci	ific theories of ethics	excluded)	F Bibliography/Philology		
2801	Philosophy/	C Western philosophy			G Literary criticism/Literary theory		
2001	Ethics	D Western ethics E Japanese philosophy		Research Field Keyword			
		F Japanese ethics					
		G Comparative philosophy					
		H Philosophy of religion					
	GI :	A Chinese philosophy/Thou	ıght		E Bibliography/Philology		
2802	Chinese	B Chinese Buddhism C Taoism					
	philosophy	D Confucianism		urcus	G Comparative interactive		
	Indian philosophy/	A Indian philosophy/Thoug	tht Dis	cinline• Linguis	A French literature		
2803	Buddhist studies	B Buddhist studies/History		Danamah Eigld			
		A Religious studies in gene		r Nescalch Fleid	<u> </u>		
	D 11. 1	B History of religions	141				
2804	Religious	C Sociology of religion			C Morphology		
	studies	D Philosophy of religion			D Syntax		
		E Comparative study of rel	igion		1 E Semantics		
		A History of Western thoug B History of Eastern and Ja			F Pragmatics		
		C Comparative history of the					
	History of	D History of religious thou					
2805	thought	E History of social thought	300	Linguistics	K Sociolinguistics		
		F History of political thoug	tht		L Psycholinguistics		
		G History of scientific thou	ght				
	Aesthetics/	H History of art theory A Aesthetics			N Historical linguistics		
2806	Art history	B Art history					
Disci	ipline: The arts				S Other languages		
Item Number	Research Field	eyword					
	G. 1 C.1	A Musicology					
	Study of the arts/History of	B Theory of arts C Various studies on arts					
2851	the arts/Arts	C Various studies on arts D Culture and representation	<u> </u>				
	in general	E Popular arts		Japanese	E Stylistics		
	iii generai	F Arts and cultural policy	3002	linguistics	F Dialect		
					G Language in daily life		
Disc	ipline: Literatu	e			H History of the Japanese language		
Item Number	Research Field	eyword			J History of Japanese linguistics		
		A Japanese literature in gen	eral		A Phonetics/Phonology		
		B Ancient literature (Nara a	and Heian periods)				
		C Medieval literature (Kam		English	C Morphology, Semantics		
	_	periods)			D Stylistics E History of the English 1-2		
2901	Japanese	D Premodern literature (Ed E Modern and contemporary		8	E History of English language		
	literature	Restoration)	interature (after Meiji		G Diversity of the English language		
		F Kanbungaku (Chinese lit	erature in Ianan)				
		G Bibliography/Philology	Cratare in supari)				
		H Literary criticism/Literar	y theory				
		A English literature					
		B American literature		_			
2902	Literature in	C Other literatures in Engli	sh	-	D Theory of second language acquisition		
2702	English	D Bibliography/Philology					
		E Literary criticism/Literar	y theory	education			
		F Comparative literature			F Mother tongue retention/Bilingual education		
					G Cross-cultural understanding and communication		
			l l				
					J History of Japanese language education		

(Discipline: Linguistics)

Discipline:	Human	geography
Discipline.	Hullian	2CU21apily

Item					
Number	Research Field	Screening Sub-panel Number / Keyword	Item Number	Research Field	Keywo
3005	Foreign language education	A Systems of foreign language education B Theory of foreign language education/History of foreign language education C Teaching methods/Curriculum planning D Theory of second language acquisition E Educational technology/Teaching materials/Educational media in general F e-Learning/Computer-assisted language learning		Research Field Human geography	Keywo
		G Cross-cultural communication H Educational testing and evaluation			KI
		J Training of foreign language teachers K English language education in general L Early English education			M (

Item Number	Research Field	Keyword						
3201	Human geography	A History of geography/Methodology B Economic geography/Transportation geography C Political geography/Social geography D Cultural geography E Urban geography F Rural geography G Historical geography H Regional environment/Natural hazards J Geography education K Regional planning/Regional policy L Regional geography M Geographic information system N History of cartography						

Discipline: History

Discipline: Cultural anthropolog

Disc	ipline: History	1	
Item Number	Research Field	Keyv	
			World history
	Historical		History of cultural exchange
3101	studies in		Comparative history
3101	general		Comparative study of civilizations
	general		Study of historical materials
			Globalization
			Ancient history (Nara and Heian periods)
		В	Medieval history (Kamakura and Muromachi
			periods)
		C	Early modern history (Edo period)
	Japanese	D	Modern and contemporary history (after Meiji
3102	history		Restoration)
	ilistory	E	Local history
			Cultural history
			History of cultural and diplomatic exchange
			Japanese history in general
			Research in historical materials
		Α	Chinese history: Ancient, medieval, and early
			modern period
		В	Modern and contemporary Chinese history
			East Asian history
			Southeast Asian history
3103	Asian history		South Asian history
			West Asian/Islamic history
			Central Eurasian history
			Comparative history/History of cultural and
			diplomatic exchange
		Α	Ancient European history
			Medieval European history
			Modern and contemporary West European history
			Modern and contemporary East European history
	History of		Modern and contemporary South European history
3104	Europe and		Modern and contemporary North European history
	America		North and South American history
			Research in historical materials
		l	Comparative history/History of cultural and
			diplomatic exchange
		Δ	Archaeology in general
			Prehistoric studies
			Historical archaeology
			Japanese archaeology
			Asian archaeology
3105	Archaeology		Study of ancient civilizations
			Study of material culture
			Experimental archaeology
			Research in buried cultural assets
			Archaeological informatics
	1		1101mcotogical information

Item Number	Research Field	Keyword
3301	Cultural anthropology/ Folklore	A Cultural anthropology B Folklore C Ethnography D Social anthropology E Comparative folklore F Material culture G Prehistoric period/Historic period H Arts/Performing arts J Religion/Rituals K Development/Aid L Gender M Health care N Population/Emigration P Minority Q Ecology/Natural environment R Media

Area: Social sciences

Discipline: Law

Discipline: Politics

	ipline: Law						line: Politics			
Item Number	Research Field	K	eyv	rord			search Field	Ke	yw	vord
		Ħ	Α	Legal philosophy/Legal theory				Ħ.	A	Political theory
				Roman law					В	History of political thought
			C	Legal history				1	C	Political history
3401	Fundamental			Sociology of law						
3401	law			Comparative law	Seconomic Seco					
				Foreign law						
				Law and policy				(G	Public administration
				Law and economics]	Η	Comparative politics
				Constitutional law						
				Administrative law						
				Tax law					В	Diplomatic history/International history
				Constitutional theory						
				Legislative studies		_				
				Constitutional litigation	3502	12.1		1 F		international pointear economy
3402	Public law			Comparative constitutional law		re	lations			
				Constitutional history						
				Administrative organization law						_
				Administrative procedure						
				Administrative remedies					H	Global issues
				International tax law						
			N	Judicial law			line: Econon	nics	S	
			Α	Public international law			search Field	Ke	yw	vord
			В	Private international law				Ħ.	A	Microeconomics
			C	International human rights law		т.]	В	Game theory
3403	International law			Law of international organizations	360	11				
3403				International economic law		th	eory]	D	Economic theory
			F	Nationality law					Е	Political economy
			G	International civil procedure						
				International trade law]	В	History of economics
				Labor law	360	12.1			C	Economic thought
3404	Social law			Economic law		E	conomic			
				Social security law		th	ought			
		Н		Education law						
				Criminal law Criminal procedure						
2405	Criminal law			Criminal procedure Criminology				I L		
3403	Cillilliai iaw			Criminology Criminal justice policy		F	conomic	1 H		
				Juvenile law	3603	13		I -	E	Population statistics
		Ħ		Civil law		Su	atistics	I -		
				Commercial law						
				Civil procedure]		
				Legal person						
				Business corporate law					В	Labor economics
2406	Civil law		F	Financial law						
3400	CIVII IdW			Securities law	360	A	pplied			
				Insurance law		ec	conomics			
				International trade law						
				Insolvency law					G	Health economics
				Alternative dispute resolution						
-		Н		Civil execution law						
				Environmental law						
				Medical law	200	E	Economic			
3407	New fields of			Imformation law Intellectual property law		po	olicy			
3407	law			EU law		1	-			
				Law and gender						
				Law and gender Legal education/Legal theory		_	1.1*			
<u> </u>	<u> </u>	Ш	J	Legar education/Legar theory						
					360	lh I				
					3300	M	•			
						ec	conomics	l li	E	International monetary theory
						-				Economic history
					360	1/1	conomic			Business history
						hi	story		C	Industrial history
					ı					

Discipline	Psychology	v
Discipinic	I SYCHOLOE	,

	ipline: Busines	s administration		ipline: Psychol	logy	,
Item Number	Research Field	Screening Sub-panel Number / Keyword	Item Number	Research Field	Key	word
3701	Business administration Commerce	A Corporate management B Administrative organization C Managerial finance D Management information E Business administration F Corporate strategy G International management 2 H Human resource management J Management of technology K Corporate social responsibility L Business ventures A Marketing B Consumer behavior C Distribution D Commerce E Insurance A Financial accounting		Social	A B B C C C C C C C C C C C C C C C C C	Self-process 3 Social cognition/Emotion Attitude/Belief Social interaction/Interpersonal relations Interpersonal communication Group/Leadership Collective phenomena Industry/Organization Culture Social issues Environmental issues Media/Electronic network Personnel Work Consumer affairs Lifelong development Parent-child relationship
	Accounting	B Managerial accounting C Auditing D Bookkeeping E International accounting F Tax accounting G Governmental accounting H Environmental accounting	3902	Educational psychology	E F G H J	Developmental disabilities Personality Learning process Teaching method Classroom group/Management Educational evaluation Educational counseling Counseling
Disc:	ipline: Sociolog	Screening Sub-panel Number / Keyword			++	Student counseling Psychological disorder
3801	Sociology	A Social philosophy/Social thought B History of sociology C General theory D Sociological methodology E Social research F Mathematical sociology G Social interaction/Social relations H Social group/Social organization J Institutions/Structure/Social change K Knowledge/Science/Technology L Politics/Power/State M Body/Ego/Identity N Family/Kinship/Population P Community/Village/City Q Industry/Labor/Leisure R Class/Stratification/Social mobility S Culture/Religion/Social consciousness T Communication/Information/Media U Gender/Generation V Education/School W Medical care/Welfare X Social problems/Social movements Y Discrimination/Social exclusion Z Environment/Pollution a International community/Ethnicity	3903	Experimental	B C C C C C C C C C	Crime/Delinquency Psychological assessment Psychological intervention Psychological intervention Psychological tests Self-control Psychological interviewing process Case study Self-help group Therapist's theory Community support Health development Rehabilitation psychology Health psychology Physiology Sensation/Perception Attention Learning/Behavior analysis Memory Thinking Language Motivation Emotion Behavior Data analysis method
3802	Social welfare and social work studies	A Principles of social welfare/Social welfare theory B Social welfare ideology/Social welfare history C Social security/Social welfare policy D Social work E Poverty/Social exclusion/Discrimination F Child welfare/Family welfare/Women's welfare G Social welfare for disabled persons H Social welfare for aged persons J Community welfare/Community social work K Social work in health care/Care work L School social work/Forensic social work M Welfare management/Advocacy/Evaluation N International welfare/Welfare NGOs P Volunteer/Nonprofit social welfare agencies Q Social welfare education/Field instruction				Consciousness Principle/History

Discipline: Educaion

Item	pline: Educaio			
Number	Research Field	S	_	ening Sub-panel Number / Keyword
				Philosophy of education
				Educational thought
			C	History of education
		1		Curriculum theory Instructional theory
				Academic achievement theory
				Educational methods
				Educational evaluation
4001	Educaion			Administration and finance of education
				School management
				School education
		2		Early childhood education/Child-care
		_	N	Lifelong learning
				Adult and community education
				Education at home
		H	Δ	Education policy Sociology of education
				Economics of education
				Anthropology of education
				Education policy
			Е	Comparative education
				Human resource development/Development
	Sociology of			education
4002	education			School system/School culture
				Teacher/Student culture
				Youth problems
				Academic achievement problem Multicultural education
				Gender and education
				Education survey method
				Educational information system
				Education of individual subjects (Japanese,
				mathematics, science, social studies,
				geography/History, civics, life environmental
				studies, music, art, home economics, technology,
		1		English, information)
	Education on		B	Education of vocational/Professional subject
4003	school		ь	(industry, bussiness, agriculture, fishery, nursing,
1003	subjects and			welfare)
	activities		С	Curriculum composition/development
				Materials development
		2	Е	Education excluding subject (global learning,
		~		moral, special activities)
				Guidance
		L		Career education
				Education for children with disabilities
				Special needs education Nursing for infants with disabilities
				Special needs nursing
				Inclusion
				Schools for special needs education
			G	Classes for special needs education
				Resource room education
	G			Special educational needs
4004	Special needs			Learning difficulty
	education			Intellectual disabilities
				Developmental disabilities Physical disorders
				Mental disorder
				Disease/Illness
				Behavioral disabilities
				Severe multiple disabilities
				Parenting difficulties/Abuse
			U	School maladjustment
				Educational counseling

Category: Scie	nce	and Engineering	(Dis	scipline: Physics	(;		
rea: Mathem	atic	al and physical sciences	Item Numbe	Research Field	Sc	cre	eening Sub-panel Number / Keyword
							A Magnetism
Discipline: Mathe	mati	cs					Magnetic resonance
Item umber Research Field	Scre	eening Sub-panel Number / Keyword		G 1 1		C	Strongly-correlated system
	Α	Number theory	4202	Condensed		Г	High temperature superconductivity
	E	Group theory	4303	matter physics	2	E	E Metal
		Arithmetic geometry		11	2	ŀ	F Ultralow temperature/Condensed quantum
		Representation theory of groups Lie algebra theory			-		system G Superconductivity/Density wave system
101 Algebra	F	Algebraic combinatorics			1	Н	H Molecular solid/Organic conductor
		Algebraic analysis					A Statistical physics
	I	Algebraic geometry				В	Fundamental condensed matter theory
	2 J	Ring theory		Mathematical			Mathematical physics
		General algebra Differential geometry		physics/	-	D	Integrable system Non-equilibrium/Nonlinear physics
	F	Complex manifold	4304	Fundamental	1	E	F Applied mathematics
102 Geometry	(Topology		condensed		G	G Dynamics
	Γ	Complex analytic geometry		matter physics		Н	Fluid physics
		Differential topology				J	Disordered system
		Foundation of mathematics				K	Computational physics
General		Probability theory Mathematical statistics		Atomic/			A Atom/Molecule 3 Quantum electronics
mathematics		Applied mathematics	4305	Molecular/		C	Quantum electronics Quantum information
(including	E	Combinatorics		Quantum		D	P Radiation
103 Probability	F	Mathematics in information science		electronics	İ	E	Beam physics
theory/ Statistical	C	Discrete mathematics		Biophysics/		Α	A Polymer/Liquid crystal
		Computational mathematics	4306	Chemical		В	B Chemical physics
mathematics)		Mathematical model Self-assembly		physics	-	C	Biophysics Soft matter physics
		Complex analysis		r /		L	Soft matter physics
		Real analysis	Disc	inlina: Farth a	nd	a i	planetary science
			Item	_		_	
104 Basic analysis	,	Functional equation	Number	Research Field		_	/word
	L	Functional analysis Stochastic analysis			-	A	A Earthquake phenomena 3 Volcanic phenomena
	F	Algebraic analysis			-	C	Crustal movement/Sea floor crustal movemen
		Global theory of functional equation			1	D	Geomagnetism
	F	Calculus of variations				E	E Gravity
Global		Nonlinear phenomena		Solid earth			F Observation methods
analysis		Analysis on manifold	4401	and planetary		G	G Tectonics
		Dynamical system Operator algebra		physics			Internal structure Internal variability/physical properties
		Integrable system					Solid planets/Satellite/Asteroid
L		integration by stem					Planet formation and evolution
iscipline: Astron	omv						Exploration of solid planets
tem Dagagala Field	_	word			I 1	-	N Earthquake disasters and prediction
imber Research Field	A	T					A Meteorology
		Radio astronomy					B Physical oceanography
201 Astronomy	C	Solar physics		Meteorology/			Land-area water cycle/Material circulation
201 Astronomy	Γ	Astrometry					Water balance
	E	Theoretical astronomy	4402	Physical Physical			Global environmental system
	F	X-ray/γ-ray astronomy		oceanography/ Hydrology		F	Geophysical fluid dynamics Climatology
iccinlina Dhya!a	0			-1, 0.01083	l f		Planetary atmospheres
viscipline: Physic		· 01 1N · //			1 1		
Research Field		eening Sub-panel Number / Keyword					J Air-sea interaction
		Particle physics (theory) Nuclear physics (theory)					A Solar-terrestrial system/Space weather
		Cosmic ray (theory)		Space and			B Solar wind/Interplanetary space Terrestrial and planetary magnetospheres
		Astrophysics (theory)		unner			Terrestrial and planetary inagnetospheres O Terrestrial and planetary ionospheres
Particle/		Relativity/Gravitation (theory)	4403	atmospheric			E Terrestrial and planetary upper atmospheres
Nuclear/	F	Particle physics (experiment)		physics		F	F Space plasma
Cosmic ray/		Nuclear physics (experiment)					Geomagnetic variation
Astro physics	1	Cosmic ray (experiment) Astrophysics (experiment)				-	H Plasma waves A Stratum
	∠ J	Relativity/Gravitation (experiment)				A	Stratum The earth's crust
	I	Accelerator technology				C	
	N	Particle detectors					Tectonics
	Α	Semiconductors	1404	Geology		E	Geologic era
	E	Mesoscopic system/Localization		Geology			F Earth history
Condensed	C	Optical properties				G	G Applied geology
		Surface/Interface				H	H Planetary geology
matter physic	S E	Crystal growth Dielectrics				V	Quaternary research Geologic hazard
	1 1 1	Diciculto				V	S Geologic Hazaru
I	(Lattice defects					
	C	Lattice defects X-ray/Particle beam					

(Discipline: Earth and planetary science)

Item Number	Research Field	K	yword	
			A Stratigraphic succession	
			Paleoenvironment	
	G: 1 /		Fossil	11
4405	Stratigraphy/		Phylogeny/Evolution/Diversity	1
	Paleontology		Paleoecology	
			Paleobiogeography	
			Function/Morphology	
			H Paleo-ocean	
			A Terrestrial and planetary material	
			B Terrestrial and planetary evolution	
			Crust/Mantle/Core	41
	Petrology/		Magma/Igneous rock	
	Mineralogy/		Metamorphic rock	
4406	Science of ore		F Natural and artificial crystals	41
	deposit		Element fractionation	41
	deposit		H Mineral resources	41
			J Ore deposit formation	41
			Mineral physics	4
			Biologic and environmental minerals	41
			A Element distribution	41
			B Isotope/Radiometric age	
4407	Geochemistry/		Material recycling	41
4407	Astrochemistry		Chemistry of the crust and mantle	-11
			E Chemistry of the extraterrestrial material	41
			F Atmospheric and hydrospheric chemistry	41
			Biosphere geochemistry	1

Area: Chemistry

Discipline: Basic chemistry
| Item | Research Field | Keyword |

ш	Number		-3						
l			A Molecular structure						
l	1		B Crystal structure						
۱	1		C Electronic state						
۱	1	ı	D Molecular dynamics						
۱	1		E Chemical reaction						
۱	1	ı	F Reaction dynamics						
	1	ı	G Cluster						
۱	1	Physical	H Solution/Colloid						
۱	4601	chemistry	J Molecular spectroscopy						
۱	1	спенны у	K Molecular excitation process elementary						
۱	1	ı	L Quantum beam						
۱	1	ı	M Electron/Energy transfer						
۱	1		N Surface/Interface						
۱	1		P Theoretical chemistry						
۱	1		Q Electrochemistry						
۱	1		R Spin chemistry						
۱			S Biophysical chemistry						
۱	1		A Structural organic chemistry						
۱	1		B Organic reaction chemistry						
۱	4602	Organic	C Synthetic organic chemistry						
۱	4602	chemistry	D Organoelement chemistry						
۱	1	enemistry	E Organic photochemistry						
۱	1		F Physical organic chemistry						
۱			G Theoretical organic chemistry						
١	1		A Metal complex chemistry						
١	1		B Organometallic chemistry						
۱	1	ı	C Inorganic solid-state chemistry						
۱	1		D Solution chemistry						
۱	4603	Inorganic	E Bioinorganic chemistry						
۱	7005	chemistry	F Nuclear/Radiochemistry						
۱	1		G Cluster						
۱	1	ı	H Supramolecular complex						
۱	1		J Polynuclear complex						
۱	1	ı	K Coordination polymer						
ľ			11-Coordination polymer						

Discipline: Plasma science

Item Number	Research Field	Keyword
4501	Plasma science	A Basic studies of plasma B Plasma applications C Plasma diagnostic techniques and instrumentation D Plasma physics E Electric discharges F Reactive plasmas G Space and astrophysical plasmas H Burning plasma J Plasma chemistry K Plasma control/Laser

Discipline: Applied Chemistry

		•
Item Number	Research Field	Keyword
		A Sample preparation
		B Chemical analysis
		C Biological analysis
		D Chemical analysis by nuclear methods
		E Separation analysis
		F Chemical sensors
4701	Analytical	G Chip analysis
4/01	chemistry	H Chromatography
		J Instrumental analysis
		K Surface and interface analysis
		L Chemical analysis
		M Environmental analysis
		N Bio-material analysis
		P Biosensors
		A Selective synthesis/reaction
		B Complex/Organometallic catalysis
		C Fine chemicals
		D Asymmetric synthesis/reaction
4702	Synthetic	E Catalyst design/reaction
4702	chemistry	F Environmentally friendly reaction
		G Reaction field
		H Automatic synthesis
		J Biotic synthesis technique
		K Combinatorial method

(Discipline: Applied Chemistry)

(Discipline	Materials	chemistry))
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	cipline: Applied	
Item Number	Research Field	Keyword
		A Polymer synthesis
		B Polymer reaction/degradation
		C Asymmetric polymerization
		D Polymerization catalyst
		E Non-covalent polymer
	Polymer	F Self-assembled polymer
4703	chemistry	G Polymer structure
	chemistry	H Polymer properties
		J Functional polymer
		K Bio-related polymer
		L Polymer thin film/surface
		M Polymer complex
		N Environment-related polymer
		A Optical properties
		B Electric/Magnetic function
		C Molecular devices
		D Sensors
	Functional	E Molecular recognition
4704		F Supramolecule
4/04	materials chemistry	G Liquid crystal/Crystal
		H Film/Assembly
		J Surface/Interface
		K Colloid/Ultrafine particle
		L Electrochemistry
		M Functional catalysts
		A Green chemistry
		B Recycle chemistry
		C Low environmental load substances
		D Biodegradable substances
4705	Environmental	E High-functional catalysts
4703	chemistry	F Trace environmental substance evaluation
		G Reaction media
		H Safety chemistry
		J Micro-chemical methods
		K Highly efficient reaction design
		A Biofunctional chemistry
		B Biomacromolecule chemistry
		C Bioinorganic chemistry
		D Natural products chemistry
	Bio-related	E Bioorganic chemistry
4706	Chemistry	F Biotechnology
	Chemisuy	G Nucleic acid/Protein/Sugar chemistry
		H Enzyme chemistry
		J Biological recognition/Biofunctional chemistry
		K Post-genomic drug discovery
l		L Biofunctional materials

Item Number	Research Field	Keyword
4803	Inorganic industrial materials	A Crystalline/Polycrystalline materials B Glass C Ceramics D Fine particles/Powder E Layered/Intercalation compound F Ion exchanger/conductor G Inorganic synthesis H Photocatalyst J Electrochemistry K Nanoparticle L Porous materials M Hybrid materials
4804	Polymer/ Textile materials	A Polymeric material properties B Polymeric material synthesis C Textile materials D Rubber materials E Gel F Polymeric functional materials G Natural/Bioplymeric materials H Polymer alloy J Polymer composites K Polymer/Textile processing L Computational polymer science

Discipline: Materials chemistry

Item Number	Research Field	Keyword
4801	Functional materials/ Devices	A Liquid crystal materials/devices B Organic EL devices C Organic semiconductor devices D Optical materials/devices E Organic electronic materials/devices F Devices for electric conduction G Molecular devices H Electric/Magnetic devices J Battery K Condenser (Capacitor) L Biofunctional applied devices
4802	Organic industrial materials	A Functional organic materials B Hybrid materials C Surfactant D Dye/Pigment E Dye/Color materilas F Printing/Ink G Resist H Glue J Selective reaction K New functional group

Area: Engineering

(Discipline: Mechanical engineering)

 Item
 Number

 Research Field
 Keyword

Disci	ipline: Applied	physics			A	A]	Modeling for production
Item Number	Research Field	Keyword			-		Production Systems
vanioci		A Metal			I -		Production management
		B Semiconductor		Production		D]	Process design
		C Magnetic material	5002	engineering/	I -		Machine tools
		D Superconductor		Processing	I -		Forming process
		E Amorphous		studies	I -		Cutting/Grinding process
		F Dielectric G Ceramics			1		Special processing
	Applied	H Crystal growth			L	JI	Ultraprecision machining Nano/Micro machining
	materials	J Epitaxial growth			I		Precise positioning/Measurements
4901	science/	K Crystal characterization			1		Design engineering
	Crystal	L Heterostructure					Shape modeling
	engineering	M Optical properties			_		Computer aided design (CAD)/Computer aided
	clighteering	N Particulate		Design		6	engineering (CAE)
		P Organic molecule		engineering/	I	D S	Synectics
		Q Liquid crystal	5003	Machine	I		Dynamics of mechanisms
		R New functional materials		functional	I -		Machine elements
		S Spintronics		elements/			Functional components
		T Organic/Molecular electronics		Tribology	I		Failure diagnostics
		U Bioelectronics					Safety design
	TEL: C1 /	A Thin film B Surface	$-\parallel$		I -		Life cycle analysis and design Tribology
	Thin film/	C Interface		1	++-		Computational fluid dynamics
	Surface and	D Plasma process				Bl	Flow measurements
4902	interfacial	E Vacuum	_		(C (Compressible/Incompressible flow
	physical	F Beam application				D ′	Turbulent flow
	properties	G Scanning probe microscopy	\Box I		I	Εl	Multi-phase flow
		H Electron microscopy			I -		Reacting flow
		A Optics	5004	Fluid			Non-Newtonian flow
		B Optical elements/Instrumentation/Materials		engineering	_		Micro flow
		C Imaging/Optical information processing D Vision				J]	Molecular fluid dynamics Bio-fluid mechanics
		E Quantum electronics			I		Environmental fluid mechanics
	Applied	F Laser					Acoustics
	optics/	G Nonlinear optics					Fluid machinery
4903	Quantum	H Quantum optics					Fluid power systems
	optical	J Photonic crystals			I	A	Thermophysical property
	engineering	K Opt-electronics		Thermal engineering	I	В	Convection
	engmeering	L Micro-and nano-optics			1 1		Heat conduction
		M Optical sensing			I 1		Thermal radiation
		N Optical recording					Mass transfer
		P Light control Q Photo-processing	5005				Combustion Micro/Nanoscale heat transfer
		A Force					Thermal engine
		B Heats			-		Refrigeration/Air conditioning
		C Sounds					Heat transfer equipment
		D Waves			I	L]	Energy use
		E Electromagnetism			N	M]	Bio-thermal engineering
	Applied	F Physical measurements and control					Dynamics
4904	physics,	G Standards			_		Dynamic design
	general	H Sensors			_		Vibration mechanics
		J Micromachines K Energy conversion					Vibration analysis/tests
		L Plasma physics	\dashv	Dynamics/	I -		Control instrument Motion control
		M Radiation	5006	Control	_		Vibration control
		N Accelerators	\dashv	Control	_		Mechanical measurements
		A Mathematical engineering (mathematical				J	Aseismic/Seismic isolation design
	Engineering	analysis/plan/design/optimization)]]		ŀ	K '	Vehicle and transport system control
4905	fundamentals	B Physical mathematics			I	L	Acoustic information/Acoustical control
	Tundamentais	C Computational mechanics					Acoustic energy
		D Simulation engineering			1	A]	Robotics
					1 -		Mechatronics
	pline: Mechan	ical engineering			(C	Micro/Nano mechatronics
Item Number	Research Field	Keyword		Intelligent	I	D]	Biomechanics
		A Material design/Process/Mechanical	5007	mechanics/	I	E S	Softmechanics
		properties/Evaluation	300/	Mechanical	1 F		Information equipment/Intelligent (smart)
		B Continuum mechanics		systems	\prod		machine systems
		C Structural mechanics	 		(Precision mechanics and systems
	Materials/	D Damage mechanics					Human-machine systems
5001	Mechanics of	E Fracture			_		Information systems
	materials	F Fatigue		•		- 1-	
		G Environments					
		H Reliability					
		J Biomechanics					
		K Micromechanics of materials					

Discipline:	Electrical	and	electronic	engineering

(Discipline: Civil engineering)

	pline: Electric	al a	nd electronic engineering		cipline: Civil en	ıgır	ne	eering)
Item Number	Research Field	,	word	Item Number	Research Field	Ke	yv	vord
		A	Electrical energy engineering				A	Applied mechanics
	Power		(generation/conversion/storage, and energy		Structural	1	В	Structural engineering
	engineering/		conservation)		engineering/			
	Power	F	Power system engineering]	Earthquake			Concrete structure
5101	conversion/	C	Electric machinery	5202	engineering/		Е	Hybrid structure
	Electric	I -	Power electronics		Maintenance		F	
	machinery	F	8,	4	management	1	G	Earthquake engineering
			Electric/Electromagnetic compatibility Illumination/Lighting		engineering	4	H	Earthquake resistant structure Earthquake disaster prevention
			Electrical and electronic materials	-	engmeering	١,		Maintenance engineering
		<i>I</i>	(semiconductor, dielectric, magnetic, fero-					Soil mechanics
	Electronic		dielectric, organic, insulator, superconductor,					Foundation engineering
5100	materials/		etc.)					
	Electric	F		-	Geotechnical		D	Engineering geology
	materials	1		5203	engineering			
		I	Fabrication/Characterization method	11				Ground and structure
		A	Electron device/Integrated circuits					Geotechnical disaster prevention
		E	Circuit design/Conputer aided circuit design]	Н	Geo-environmental engineering
			(CAD)					Hydraulics
		(optical actices and circuits					Environmental hydraulics
	Electron	Ī		41	171 1			Hydrology
5103	device/	E		5204	Hydraulic			River engineering
2103	Electronic	I	Wave technology and applications Bio devices	- 1	engineering			Water resources engineering
	equipment	I		-				Coastal engineering Port engineering
		J		11				Ocean engineering
			Sensing	11				Infrastructure planning
		I	Micro fabrication process technology					Regional/Urban planning
		N						Nationwide spatial planning
		A	Electronic circuits and systems		Civil]	D	Disaster prevention planning/Environmental
		E	Nonlinear theory/circuits		engineering			planning
		C		5205	project/ Traffic engineering			
			Signal processing	4				
		I	E Communication systems (wireless, wired,					Railway engineering
	Communication/		satellite, optical and mobile)]	Η	Surveying/Remote sensing
5104	Network		Modulation/Demodulation					Landscape architecture/Design
	engineering	I	Coding/Decoding Protocol					Infrastructure history Environmental planning and management
		1	Antennas	-		H	R	Environmental systems
		k	Routing/Switching	1	G: :1 I		C	
		I	Networks/Local area networks (LAN)	1 5200	Civil and environmental	1	D	
		N	Multimedia	3206	environmental		Е	
		N		41	engineering	1 1	F	Soil and water environments
			System information/knowledge processing	4		1	G	Atmospheric circulation/Noise and vibration
			Social engineering Industrial engineering and management			-	Н	Ecological engineering
	System	_	· · · · · · · · · · · · · · · · · · ·	D:	.! A	_4		1 h
	engineering	1 -	Environmental engineering			_		e and building engineering
			Production system engineering	Numbe	Research Field			vord
		I		41				Load theory
		A	Measurement technology	-11				Structural analysis
	Measurement		Sensing devices Measuring/Analyzing instruments	11				Structural design Concrete structure
	engineering		Measurement systems	11				Steel structure
	engmeering		Signal processing	1	Building			Foundation
		F	Sensing information processing	5301	structures/		G	Structural material
		A	Control theory	41	materials			Building construction method
	G	F		41				Maintenance technology
	Control	(8	41				Earthquake disaster prevention
	engineering	I	83	-11		,		Structure control Earthquake resistant design
		I		11				Wind resistant design
		1 11	Complex systems	1				Sound/Vibration environment
Disci	pline: Civil en	gin	eering					Light environment
	Research Field	ī -	word	nl I		H		Heat environment
Number	research Field	,		41	A mobits at1	1 L		
		I A	Concrete Steel	-	Architectural	1 F		Air environment
		1 1		$ ^{5302}$	environment/	H		Environmental equipment planning Environmental psychology/physiology
	Civil	1		11	equipment	I E		
	engineering	[[1 1	1 10	G	Building equipment
	engineering materials/	I I	Composite material/New materials				G H	Building equipment Fire engineering
	engineering materials/ Construction/	Ι	Composite material/New materials Timber				Η	Building equipment Fire engineering Global/Urban environment
	engineering materials/ Construction/ Construction	I I I	Composite material/New materials Timber Construction Maintenance/Management	-			H J	Fire engineering
	engineering materials/ Construction/	I I I	Composite material/New materials Timber Construction				H J	Fire engineering Global/Urban environment

(Discipline: Architecture and building engineering)

(Discipline: Material engineering)

	cipline: Archite	cture and building engineering)	(Discipline: Materi	al engineering)
Item Number	Research Field	Keyword	Item Number Research Field	Keyword
5303	Town planning/ Architectural planning Architectural history/design	A Planning theory B Design theory C Housing theory D Building types/District facilities E Urban/Regional planning F Administration/System G Building/Urban economy H Production management J Disaster prevention planning K Landscape/Environmental planning A Architectural history B Urban history C Architectural theory D Design E Style F Landscape/Environment G Preservation/Renovation		A Strength/Toughness/Fracture/Fatigue/ Creep/Stress corrosion cracking/ Superplasticity/Wear B Nanostructure C Magnetic materials D Electronic/Information materials E Hydrogen storage materials F Fuel cell materials G Materials for heat and energy H Sensor materials/Optical functional materials J Cryogenic material K Earthquake resistant/ Environmental resistant materials L Biomaterials M High-temperature materials N Amorphous materials P Intelligent/Safety/Relieved material Q New functional materials R Environment-conscious materials
Item Number	Research Field	Keyword	1	S Functional polymeric material
	Physical properties of metals	A Electronic/Magnetic properties B Properties of semiconductors C Thermal properties D Optical properties E Mechanical properties F Superconductor G Properties of thin films H Properties of nano materials J Computational material properties K Surface/Interface/Grain boundary properties L Fine particulate/Cluster M Quasicrystals N Radiation damage P Atomic/Electronic structure Q Lattice defects R Diffusion/Phase transformation/Phase diagram	Material 5405 processing/ treatments	A Surface/Interface control B Corrosion anticorrosion C Plastic forming D Powder metallurgy E Heat treatment F Joining/Welding G Crystal/Microstructure control H Nano process J Microfabrication K Plasma treatment/Laser processing L Thermal spraying/Coating/Particle deposition process M Plating process N Non destructive inspection P Thin film process Q Nonequilibrium process
5402	Inorganic materials/ Physical properties	A Crystal structure/Microstructure control B Mechanical/Electronic/Electromagnetic/ Optical/Thermal properties C Surface/Interface properties D High-temperature properties E Grain boundary characteristics F Functional ceramics G Functional glass H Structural ceramics J Carbon material K Dielectric materials L Inorganic polymer		R Mechanical alloying S Precision molding process T Electrocatalysis U Repair/Life-prolonging treatment V Electrical connection/Wiring A Reaction/Separation B Materials refining C Melting/Solidification D Foundry E Crystal growth F Microstructure control G Purification
5403	Composite materials/ Physical properties	A Organic/Inorganic fibers B Matrix materials C Composite effect D Dispersion strengthening E Continuous fiber reinforcement F Fiber reinforced metals (FRM) G Fiber reinforced plastics (FRP) H Fiber reinforced celamics (FRC) J Functionally gradient K Composite particle L Composite fracture M Composite deformation stress N Interface failure P Reaction sintering Q Complex polymer	Metal making engineering	H Various manufacturing process

G Aerospace system
H Design/Instrumentation J Special aircraft

G Marine engine/Fuel
H Marine environment

M Polar engineering

J Marine resources/Energy K Ocean exploration/Equipment
L Undersea and subsea engineering

K Space utilization/Exploration
L Aerospace environment
A Propulsion/Vessel dynamics
B Material/Structural mechanics

C Marine hydrodynamics
D Planning/Design/Production system
E Shipbuilding/Equipment
F Maritime transportation system

Naval and 5602 maritime

engineering

Discipline: Proce	ss engineering	(Discipline: Integra	ted engineering)
Item Number Research Field	Keyword	Item Number Research Field	Keyword
Properties in chemical engineering process/ Transfer operation/ Unit operatio	A Equilibrium/Transport properties B Fluid/Heat transfer/Mass transfer operation C Distillation D Extraction E Absorption F Adsorption G Ion exchange H Membrane separation J Hetero-phase separation K Ultra high separation L Stirring/Blending operation M Granular and powedered materials operation	Earth system 5603 and resources enginnering	A Applied geology B Geo-engineering C Remote sensing D Monitoring in Geo-engineering E Earth systems F Resource exploration G Natural resource development H Resource evaluation J Mineral processing K Underground disposal and storage L Contaminated soil remediation M Development and utilization of deep undergrou
	N Crystallization procedure P Thin film/Microparticle forming operation Q Polymer processing A Gas/Liquid/Solid/Supercritical fluid operation		N Material resources P Renewable source/Energy Q Economic resources A Waste reduction
Reaction engineering/ Process system	B Novel reaction field C Reaction rate D Reaction mechanism E Reaction apparatus F Materials synthesis process G Polymerization process H Measurement J Sensors K Process control L Processing system design M Process information processing N Process operation/Facilities management	Recycling engineering	B Reuse C Cascade recycling/Utilization D Recycling E Waste valuable recovery F Solid-solid separation G Purification of materials H Proper treatment and disposal of waste J Recycling and LCA K Environmentally conscious design L Green productions M Zero emission A Core plasma
Catalyst/ Resource chemical process	A Catalysis reaction B Catalyst preparation chemistry C Catalyst performance analysis D Energy conversion process E Fossil fuel effective utilization technology F Resources/Energy effective utilization technology G Resources/Energy saving technology H Combustion technology	Nuclear fusion studies	B Peripheral plasma C Plasma measurement D Plasma-wall interaction E Theoretical simulation F Low activation material G Fuel/Blanket H Electromagnet J Inertial confinement fusion K Fusion systems engineering
Biofunction/ Bioprocess	A Biocatalyst engineering B Biofunction engineering C Food engineering D Medicochemical engineering E Applied bioelectrochemistry F Bioproduction process G Bioreactor H Biosensor J Bioseparation K Bioinformatics L Genomic engineering	5606 Nuclear engineering	L Safety/Biological influence A Radiation engineering/Beam science B Reactor physics/Nuclear data C Nuclear measurements/Radiation physics D Thermo-hydrodynamics/Structure E System design/Safety engineering F Nuclear material/Nuclear fuel G Isotope/Radiation chemistry H Fuel cycle J Backend K Advanced reactors L Health physics/Environmental safety
*	ated engineering		M Social environment of nuclear energy
Research Field Aerospace engineering	Keyword A Aerodynamics B Structure/Material C Vibration/Strength D Guidance/Navigation/Control E Propulsion/Engine F Flight dynamics G Aerospace system	Energy engineering	A Energy generation/conversion B Energy transport/storage C Energy saving/Efficient use of energy D Energy system E Environmental harmony F Natural energy use

Category: Biological Sciences Discipline: Biological science Item Number Research Field Area: Biology A Carbohydrate B Lipid Discipline: Basic biology Research Field Keyword Nucleic acid D Protein A Molecular genetics E Enzyme B Cytogenetics C Population genetics F Gene and chromosome D Evolutionary genetics G Biological membrane and receptor E Human genetics H Intercellular matrix Structural 5801 F Genetic diversity J Organelles biochemistry Genetics/ G Genome architecture, reorganization, and K Posttranslational modification Genome 5701 maintenance L Molecular recognition and interaction dynamics M Denaturation and folding H Genomic function and expression J Developmental genetics N Structural analysis and prediction K Behavioral genetics L Mutagen Q Mass spectrometry M Chromosome R X-ray crystallography N Model organism S High resolution electron microscopy A Population A Catalytic mechanism of enzyme B Society B Regulation of enzyme C Species interaction C Allosteric effect D Assemblage D Enzyme abnormality E Ecosystem E Gene expression and replication Ecology/ 5702 F Evolutionary ecology F Biological energy transduction Environment G Behavioral ecology G Metalloprotein H Natural environment H Biological trace element Functional 5802 J Physiological ecology J Hormone and bioactive substances biochemistry K Molecular ecology Cell signal transduction L Conservation ecology L Membrane transport and transporters A Plastid function/Photosynthesis M Proteolysis B Phytohormones/Growth and N Cytoskeleton Plant development/Totipotency P Immunobiochemistry molecular Organelles/Cell wall Q Glycobiology 5703 biology/ D Response to environmental factors R Bioelectrochemistry Plant E Plant-microbe interaction/Symbiosis A Structure, dynamics and functions of proteins physiology and nucleic acids B Motility/Transport F Metabolism G Plant molecular function C Biomembranes/Receptors/Channels A Animal morphology B Plant morphology D Photobiology C Microbial morphology E Cellular signaling and dynamics D Comparative endocrinology F Neural information processing Morphology/ 5803 Biophysics 5704 E Molecular morphology G Theoretical biology/Bioinformatics Structure F Morphogenesis H Structural biology G Tissue construction J Folding H Microstructure K Prediction of structure and function J Microscopical technique L Single-molecule measurements and manipulation M Bioimaging A Metabolism Animal N Non-equilibrium/Complex systems B Neurobiology physiology/ 5705 C Neuroethology A DNA replication Animal D Behavioral physiology B DNA damage and repair behavior E Animal physiology and biochemistry C Recombination D Transcription A Metabolism physiology Molecular B Classification system E RNA C Evolution F Translation biology D Genetic diversity G Protein modification E Population/Species diversity H Intermolecular interaction Biodiversity/ J Chromosomal organization, function and 5706 F Community/Ecosystem diversity Systematics G Taxonomic character segregation H Phylogenetics A Cell structure and function B Biomembrane J Speciation K Natural history Cytoskeleton/Cell motility D Intracellular signaling L Museum

5805 Cell biology

E Intercellular communication

J Cell-cell interaction/Extracellular matrix

F Cell cycle
G Cytokinesis
H Nuclear structure

K Protein degradation L Chromatin (Discipline: Biological science)

Area: Agricultural sciences

Item lumber	Research Field	Keyword			
		A Cell differentiation	Disc	cipline: Agricu	lture
		B Stem cells	Item Numbe	Dasaarah Eiald	Keyword
		C Germ layer			A Plant breeding/Plant genetics
Developmental biology	formation/Gastrulation/Somitogenesis			B Breeding theory	
	D Organogenesis			C Genetic resources/Phylogeny	
	biology	E Fertilization			D Plant molecular breeding
		F Reproduction/Germ cells			E Resistance/Tolerance
		G Regulation of gene expression		D 1'	F Generation of genetic diversity/Analysis of
		H Developmental genetics	6001	Breeding	genetic diversity
		J Evolution and development		science	G Gene/Protein
		A Origin of life			H Chromosome engineering
		B Origin of eukaryotic organisms			J Plant genome information
	C Origin of organelles			K Quality/Composition	
		D Origin of multicellularity			L Developmental physiology/
	Evolutionom	E Molecular evolution			Developmental genetics
	Evolutionary	F Morphological evolution			A Food crop
biology	G Evolution of function			B Industrial crop	
	H Evolution of genes			C Forage crop	
		J Evolutionary biology in general		Crop science/	D Cultivation system
		K Comparative genomics	6002	Weed science	E Crop quality/Crop processing
	L Experimental evolutionary biology			F Weed science	
					G Weed control
isci	pline: Anthrop	oology			H Wild plant resources
em nber	Research Field	Keyword			A Fruit tree
		A Morphology			B Vegetable
		B Prehistory/Chronology			C Flower
		C Biomechanism		Horticulture/ Landscape	D Use of horticultural plants
		D Molecular anthropology/Genetics	6003		E Storage of horticultural plants/
		E Ecology		architecture	Processing of horticultural plants
	Physical	F Primates		arcintecture	F Protected horticulture
	anthropology	G Evolution			G Landscaping
	anunopology	H Growth/Aging			H Landscape formation/Landscape conservation
		J Society			J Open space planning
		K Behavior/Cognition			A Pathologic
		L Reproduction/Development			B Pathological physiology
		M Bone archaeology		DI .	C Plant-pathogen interactions
		N Geographic diversity	6004	Plant	D Pathogenicity factor/Virulence factor
		A Physiological anthropology		pathology	E Disease control
		B Ergonomics			F Disease resistance
		C Physiological polymorphism D Environmental adaptive capacity			G Phylogenetic systematics H Infection/Proliferation
		D Environmental adaptive capacity E Systemic relationship			A Animal pest
		F Functional potential			B Animal pest management
02	Applied	G Techno-adaptability			C Insect properties development and utilizatio
J2	anthropology	H Somatometry			D Insect pathology
		J Clothing		A 1: 1	E Sericulture/Silk
		K Somatology/Adaptation	6005	Applied	F Insect ecology
		L Constitution/Health		entomology	G Insect physiology
		M Forensic anthropology			H Insect classification
		N Medical anthropology			J Insect pest management/Biological control
	1				K Insect molecular biology
			1	1	L Insect behavior

	pline: Agricult Research Field	Keyword	Item	Research Field	Keyword
Number	Research Field	A Plant physiology, growth and development	Numbe	r Research Field	•
		B Plant nutrition and metabolism			A Forest productivity/Tree breeding
		C Plant metabolic regulation			B Forest ecology/Forest protection/Forest
	Plant	D Fertilizer			conservation
	nutrition/	E Soil classification			C Forest biology D Forest management/Forest policy
		F Soil physics		Forest science	E Forest landscape
	Soil science		0201	Forest science	
		G Soil chemistry H Soil organisms			F Forest utilization G Revegetation/Environmental conservation fore
		J Soil environment			H Erosion control/Erosion and torrent improvemental
		A Microbiology			J Landcollapse/Landslide/Mudflow
		B Fermentative production			K Water conservation/Water quality
		C Microbial classification			A Wood anatomy/Wood formation
		D Microbial genetics/breeding			B Materials/Physical properties
		E Microbial enzyme			C Cellulose
		F Microbial metabolism			D Lignin
	Applied	G Microbial function			E Extractives/Minor extractives
	microbiology	H Microbial application			F Chemical processing
	illicrobiology	J Environmental microorganism	6202	Wood science	G Preservation/Wood culture
		K Antibiotic production	- 0202	wood science	H Drying/Machining
		L Microbial ecology			J Adhesion/Wood based material
		M Control of microbe			K Strength/Wooden construction
					L Habitability/Sensibility
		N Genetic resources P Gene expression			M Woody biomass
		A Animal biochemistry			N Pulp/Paper
		B Plant biochemistry			N Fulp/Fapel
			- n.		
Applie		C Enzyme application		cipline: Fisherie	es science
		D Genetic engineering	Item Numbe	Research Field	Keyword
		E Protein engineering			A Taxonomy
	Applied biochemistry	F Bioengineering			B Development
		G Metabolic engineering			C Morphology
		H Cell/Tissue culture			D Physiology
		J Enzyme chemistry			E Ecology/Behavior
		K Metabolism and physiology			F Fishery
		L Gene expression		General fisheries	G Resources/Resource management
		M Production of useful material	6301		H Aquaculture
		N Cellular response			J Genetics/Heredity/Breeding
		P Signal transduction			K Fish disease
		Q Trace element			L Aquatic environment/Conservation
		A Bioactive substance			M Algae/Seaweeds
		B Regulator of cell function			N Plankton
		C Pesticide science			P Microorganisms
		D Plant growth substance			Q Harmful algae
	Bioproduction	E Signal molecule			A Biochemistry
		F Biosynthesis			B Metabolism/Enzyme
	chemistry/	G Natural products chemistry			C Fish nutrition
	Bioorganic	H Bioinorganic chemistry			D Molecular biology
	chemistry	J Physical chemistry			E Bioengineering
		K Analytical chemistry		Fisheries	F Biopolymer
		L Organic chemistry	6302	chemistry	G Natural products chemistry
		L Organic chemistry			H Analytical chemistry
		M Bioregulatory chemistry			
		M Bioregulatory chemistry			J Food chemistry
		M Bioregulatory chemistry N Molecular recognition			J Food chemistry
		M Bioregulatory chemistry N Molecular recognition A Food chemistry			J Food chemistry K Food processing/Preservation
		M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry			J Food chemistry K Food processing/Preservation L Hygiene/Food sanitation
		M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry C Food biochemistry			J Food chemistry K Food processing/Preservation
		M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry C Food biochemistry D Food physics			J Food chemistry K Food processing/Preservation L Hygiene/Food sanitation
		M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry C Food biochemistry D Food physics E Food engineering			J Food chemistry K Food processing/Preservation L Hygiene/Food sanitation
	Food science	M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry C Food biochemistry D Food physics E Food engineering F Food function			J Food chemistry K Food processing/Preservation L Hygiene/Food sanitation
	Food science	M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry C Food biochemistry D Food physics E Food engineering F Food function G Food preservation			J Food chemistry K Food processing/Preservation L Hygiene/Food sanitation
	Food science	M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry C Food biochemistry D Food physics E Food engineering F Food function G Food preservation H Food manufacturing/processing			J Food chemistry K Food processing/Preservation L Hygiene/Food sanitation
	Food science	M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry C Food biochemistry D Food physics E Food engineering F Food function G Food preservation H Food manufacturing/processing J Nutritional chemistry			J Food chemistry K Food processing/Preservation L Hygiene/Food sanitation
	Food science	M Bioregulatory chemistry N Molecular recognition A Food chemistry B Provisions chemistry C Food biochemistry D Food physics E Food engineering F Food function G Food preservation H Food manufacturing/processing			J Food chemistry K Food processing/Preservation L Hygiene/Food sanitation

Discipline: Agro-economics

Discipline:	Zootechnical	science/\	Veterinary	medical	science

Item Number	Research Field	Keyword	
Number	Agronomy	A] B , C , D , E , F] G] H] J , K] L]	Farm management Agricultural policy Agricultural economy Agricultural finance Agricultural history International agriculture Regional planning Rural society Agriculture and environment Food system Marketing Food safety Agricultural ethics
		111	Agricultural culics

Discipline:	Agro-engineering	

Item Number	Research Field	Keyword
6501	Irrigation, drainage and rural engineering/ Rural planning	A Hydraulics B Hydrology C Soil physics D Soil mechanics/Applied mechanics E Land improvement facilities F Material/Construction G Irrigation and drainage H Land improvement/Agricultural land use planning J Regional planning/Community development K Regional environment/Countryside landscape L Rural ecosystem M Water pollution/Water environment N Material circulation P Soil conservation/Disaster prevention A Agricultural production environment
6502	Agricultural environmental engineering	B Bioproduction machinery C Postharvest engineering D Bioproduction system E Farming technology management F Agricultural labour science G Supply chain management H Environment control in biology J Greenhouse horticulture/Plant factory K Bioprocessing L Natural energy use M Agricultural meteorology/Micrometeorology N Meteorological disasters P Global warming impacts Q Greening environment
6503	Agricultural information engineering	A Image processing/Image recognition B Nondestructive measurement C Bioinstrumentation D Biosensing E Bioinformatics F Remote sensing G Geographic information system H Modeling/Simulation J Computer network K ICT/Knowledge processing L Agricultural robotics M Precision agriculture N Bioenvironmental information P Agricultural information Q Farming information

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Item Numbe	Research Field	K	eyv	vord	
			Α	Grassland ecology	
			В	Grassland utilization	
			С	Grassland management/Conservation	

	1	
		B Grassland utilization
		C Grassland management/Conservation
	Zootechnical	D Feed/Feedstuffs
CC01	science/	E Nutrition/Feeding
6601	Grassland	F Livestock production system
	science	G Livestock management/Welfare
	science	H Wild animal management/utilization
		J Animal product utilization
		K Livestock biomass
		A Breeding
		B Reproduction
		C Metabolism/Endocrine control
	Applied	D Functional substance
6602	6602 animal	E Developmental biotechnology
	science	F Cloned livestock
		G Livestock genome
		H Wildlife protection/Proliferation
		A Hereditary/Genetics
		B Embryology/Fetal development
		C Physiology
	Basic	D Morphology
	veterinary	E Pharmacology
	science/	F Pathology
6603	Basic	G Pathological condition
		H Pathogenic microorganism
	zootechnical	J Parasitology
	science	K Immunology
		L Biological information
		M Behavior
		A Animal hygiene
		B Veterinary public health
		C Toxicology
	Applied	D Disease prevention and control
6604	veterinary	E Wildlife
	science	F Animal welfare
		G Zoonoses
		H Epidemiology
		A Internal medicine
		B Surgery C Clinical breeding/Obstetrics
		D Diagnostics
	Clinical	E Laboratory examination
6605	veterinary	F Therapy
	science	G Prognosis
		H Clinical pathology/Pathological condition
		J Regenerative medicine
		K Anesthesia/Analgetics
		L Radiology
	1	M Animal nursing

Discipline: Boundary agriculture

ا ا	DISC.	ipinie, bounda	y agriculture						
N	Item Jumber	Research Field	Keyword						
			A Environmental analysis						
]]			B Environmental pollution						
			C Environmental reclamation						
$\ \ $			D Environmental purification						
Ш		Boundary	E Aquatic pollution						
1	5701	agriculture	F Resource recycling systems						
		agriculture	G Biomass						
			H Genetic resources						
			J Biological environment						
			K Resource environment balance						
L			L Regional agriculture						
			A Gene/Chromosome engineering						
			B Protein/Glycosylation engineering						
			C Metabolic engineering						
			D Organelle engineering						
		Applied	E Cellular engineering						
		molecular and	F Gene expression						
6	5702	cellular	G Development/Differentiation control						
			H Cell-cell interaction						
		biology	J Intermolecular interaction						
			K Biosensor						
			L Cellular function						
			M Molecular imformation						
L			N Functional-molecule design						

Area: Medicine, dentistry, and pharmacy

Discipline:	Pharmacy
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Item Number	Research Field	S	creening Sub-panel Number / Keyword
			A Organic chemistry
			B Synthetic organic chemistry
	Chemical		C Biomolecules
6801			D Herbal medicine/Natural products chemistry
	pharmacy		E Mechanistic organic chemistry
			F Heterocyclic chemistry
			G Asymmetric synthesis
			A Physical chemistry
			B Analytical chemistry
			C Galenical pharmacy
			D Biophysical chemistry
	Physical		E Isotope pharmacentical chemistry
6802	pharmacy		F Biocomplex chemistry
	primiring		G Molecular structure science
			H Structural biology
			J Imaging
			K Drug delivery
			L Information science
			A Biochemistry
			B Molecular biology
		1	
	Biological	-	D Cell biology
6803	pharmacy		E Developmental biology
			F Pharmacology
		2	G Analytical pharmacology
			H Neurobiology
			A Medicinal chemistry
	Dance		B Medicinal molecular design
5004	Drug		C Bioactive substance
6804	development		D Functional science of medicinal molecules
	chemistry		E Genomic drug development
			F Regulatory science
			A Environmental hygiene
			B Environmental chemistry
			C Environmental dynamics
6805	Environmental		D Food hygienics
0803	pharmacy		E Chemical nutrition
			F Microbiology and infectious diseases
			G Medicinal resources
			H Toxicology
			A Clinical pharmaceutical sciences
			B Pharmacokinetics and drug metabolism
			C Medical pharmaceutics
	Medical		D Drug information and clinical toxicology
6806	pharmacy		E Clinical chemistry
	рпаннасу		F Drug economics
			G Personalized medicine
			H Social pharmacy
			J Pharmacy management insurance

Discipline: Basic medicine

Item Number	Research Field	So	ree	ening Sub-panel Number / Keyword
			A	Gross anatomy
			В	Functional anatomy
			C	Clinical anatomy
			D	Comparative anatomy
		1	Е	Radiological anatomy
				Physical anthropology
	General		G	Morphogenesis and embryogenesis
	anatomy		Н	Teratology
6901	(including		J	Experimental morphology
	histology/		K	Anatomical education
	embryology)			Cytology
	cinoryology)			Histology
				Cell differentiation and tissue formation
		2		Cell function and morphology
		-		Ultrastructural morphology
				Molecular morphology
				Histocytochemistry
			T	Microscopic technology

(Discipline: Basic medicine)

E pl (i pl m ni	General ohysiology	CC F	Molecular and cellular physiology Biological membrane, channel, transporter and active transport Receptor and intracellular signal transduction Stimulation-secretion coupling Epithelial function Heredity, fertilization, development and differentiation Cellular proliferation and cell death Cellular motility, morphogenesis and intercellula interaction
E pl (i pl m ni		CC F	Biological membrane, channel, transporter and active transport Receptor and intracellular signal transduction Stimulation-secretion coupling Epithelial function Heredity, fertilization, development and differentiation Cellular proliferation and cell death Cellular motility, morphogenesis and intercellula
E pl (i pl m ni		C F F C H	and active transport Receptor and intracellular signal transduction Stimulation-secretion coupling Epithelial function Heredity, fertilization, development and differentiation Cellular proliferation and cell death Cellular motility, morphogenesis and intercellula
E pl (i pl m ni		E F C H	Receptor and intracellular signal transduction Stimulation-secretion coupling Epithelial function Heredity, fertilization, development and differentiation Cellular proliferation and cell death Cellular motility, morphogenesis and intercellula
E pl (i pl m ni		E F C H	Stimulation-secretion coupling Epithelial function Heredity, fertilization, development and differentiation Cellular proliferation and cell death Cellular motility, morphogenesis and intercellula
E pl (i pl m ni		F C F	Heredity, fertilization, development and differentiation Cellular proliferation and cell death Cellular motility, morphogenesis and intercellula
E pl (i pl m ni		C F	differentiation Gellular proliferation and cell death Cellular motility, morphogenesis and intercellula
E pl (i (i pl m n i		J	Cellular proliferation and cell death Cellular motility, morphogenesis and intercellula
E pl (i pl m ni		J	Cellular motility, morphogenesis and intercellula
E pl (i pl m ni		J	
E pl (i pl m ni			interaction
E pl (i (i pl m n i			
E pl (i (i pl m ni	niysiology	K	Microcirculation, peripheral circulation,
6903 pl m no		K	circulation dynamics and regulation
6903 pl m no			Ventilation mechanics, blood gas function and
6903 pl m no		-	respiratory control
6903 pl m no		1	Gastrointestinal motility, absorption and digestion
6903 pl m no		, N	Renal function, body fluids, and acid-base
5903 pl m no		IV	balance
6903 pl m no		N	Blood coagulation and rheology
6903 pl m no			P Pathophysiology
6903 pl m no			System physiology and physiome
6903 pl m no			Comparative, developmental and genome
6903 pl m no			physiology
6903 pl m no			Environmental physiology
6903 pl m no			B Physical medicine
6903 pl m no			Nutritional physiology Adaptive and associative physiology
(i 6903 pl m	Environmental		Biorhythm
6903 pl m	hysiology		Growth, development, and aging
m	including		Stress
nı	physical	_	I Space medicine
	nedicine and		Behavioral physiology
	nutritional physiology)		Biological clock Hyperthermia physiology
pl		_	4 Feeding regulation
			Social environment
			Sleep and arousal
			Reproductive physiology
			Kidney Smooth muscle and skeletal muscle
		_	Gastrointestinal
		-	Inflammation and immunity
			Bioactive substance
			Central nervous system and peripheral nerve
G	General		Spinal cord and pain
69041	harmacology	I	Receptor, channel, transport system, and signal
ľ	23	L	transduction system
		J	Cardiovascular system and hematology
			Drug discovery and pharmacogenomics Drug therapy and toxicology
			Herbal medicine and pharmacology of
		1	natural products
		+.	-
		-	A Biomolecular medicine
		E	Cellular biochemistry (cellular medical
		-	chemistry)
	General	C	Genomic biochemistry (genomic medical
	nedical	-	chemistry)
cl	chemistry		Developmental medicine
			Regenerative medicine Aging medicine
		F	
			G Higher order life sciences

(Discipline: Basic medicine)

Discipline: Boundary medicine

	cipline: Basic n	nedicine)		ipline: Bounda	ary medicine
Item Number	Research Field	Screening Sub-panel Number / Keyword	Item Number	Research Field	Keyword
		A Abnormal metabolism			A Hospital administration
	Pathological	B Molecular pathogenesis			B Medical administration
6906	medical	C Molecular and gene diagnosis			C Medical informatics
	chemistry	D Molecular oncology			D Bioethics
		E Molecular pathogenesis of nutrition	-		E Medical history F Medical and pharmaceutical education
		A Medical genome science B Molecular genetics			G Health economics
		C Cytogenetics	7001	Medical	H Risk management
		D Pharmacogenetics		sociology	J Quality of medical care
	T T	E Genetic biochemistry			K Community medicine
6907	Human	F Genetic epidemiology			L Health policy science
	genetics	G Genetic diagnostics			M Social security science
		H Gene therapy			N Care and welfare
		J Genetic counseling			P Health policy evaluation
		K Bioethics L Epigenetics	-		Q Infection control science A Clinical pharmacology
		A Brain and nervous system			A Clinical pharmacology B Clinical trials and ethics
		B Digestive system and salivary gland			C Pharmaceutical therapeutics
		C Respiratory and mediastinal organs			D Adverse drug reaction and drug interaction
		1 D Cardiovascular system	7002		E Drug transport mechanism
		E Urogenital and endocrine organs			F Pharmacogenomics
	Human	F Bone, joint, muscle, skin and sense organs		Applied	G Clinical isotope pharmacy
6908	pathology	G Blood		pharmacology	H Medical devices and pharmacy
	Paulology	H Molecular pathology	41	Pilarinacology	J Drug metabolic enzyme and tranporter
		J Geographic pathology			K Imaging
		2 K Diagnostic pathology L Telepathology	\dashv		L Research using human tissue M Drug dependence and drug sensitivity
		M Environmental pathology			N Genetic diagnosis and gene therapy
		N Transplantation pathology			P Drug delivery
		A Animal	1		Q Pharmacoepidemiology
		, B Cells	1		A Clinical laboratory medicine
		C Molecules			B Clinical pathology
		D Ultrastructure			C Clinical chemistry
6909	Experimental pathology	E Tumors	7003		D Immunology and serology
0,0,		F Inflammation		Laboratory	E Clinical laboratory system
		G Toxicological pathology		medicine	F Genetic testing
		H Developmental pathology J Animal models			G Clinical microbiology H Laboratory oncology
		K Regenerative medicine			J Clinical hematology
		A Helminth			K Physiological laboratory testing
		B Protozoa			A evaluation methods of pain
		C Arthropod vector			B epidemiology of pain
	Parasitology	D Pathogenic animals			C analgesic
6910	(including	E Molecule			D non-drug therapy
	sanitary	F Epidemiology			E pain producing substance (PPS), algesic substance
	zoology)	G Incidence			F generating or exacerbating mechanism of pain
		H Genetics J Immunity			G neural mechanism of pain H hyperalgesia
		K Tropical diseases and international health			J genetic factors of pain
		A Pathogenicity	-		K development or aging factors of pain
		B Infection immunity	1		L Gender difference in pain
	Bacteriology	C Epidemiology]		M Pain withdrawal reflex
6911	(including	D Genetics]		N numbness, hypesthesia
	mycology)	E Classification	7004	Pain science	P nociceptor
		F Diagnosis	41		Q histopathic pain, histotoxic pain
		G Structure and physiology	-		R neuropathic pain, neuralgia
		A Molecules B Cells	-11		S psychological pain
		B Cells C Whole body	$\exists I$		T itching, pruritus U epidemiology of itching, or pruritus
		D Epidemiology	$\exists I$		V antiprurities
6912	Virology	E Pathogenicity	-11		Witch-producing substances
		F Diagnosis and treatment	1		X generating or exacerbating mechanism of pruritus
		G Protection/Vaccine]		Y neural mechanism of pruritus
		H Prions	1		Z curettage behavior
		A Cyotkines	_		a hyperknesis
		B Antibodies	41		b psychological itching
		C Antigen recognition	- L		c development or aging factors of itching
		D Lymphocytes	-		
		E Innate immunity F Acquired immunity	-		
	T	G Mucosal immunity	-		
6012					
6913	Immunology	H Immunological memory			
6913	Immunology	H Immunological memory J Immune tolerance/Autoimmunity	_		
6913	Immunology	J Immune tolerance/Autoimmunity			
6913	Immunology	J Immune tolerance/Autoimmunity K Immune surveilance/Tumor immunology L Immunodeficiency			
6913	mmunology	J Immune tolerance/Autoimmunity K Immune surveilance/Tumor immunology			

Item Number	Research Field	A	word Environmental health	Item Numbe	Research Field	Sc	cree	ening Sub-panel Number / Keyword
7101		_	Environmental health		Ì			
7101		В						Molecular pathophysiology
7101			Preventive medicine			1		Neuroimmunology
7101		_	Industrial health					Clinical molecular neurogenetics
7101		Г	Environmental epidemiology	7206	Neurology			Clinical neurophysiology
7101		E		-		2	Е	Clinical neuromorphology
7101		F	1.10dical statistics					Clinical neuropsychology
7101		C					_	Functional neuroimaging
	Hygiene	Н					A	Disturbances of energy and carbohydrate
		J	Industrial toxicology			1		metabolism
		K	Environmental physiology	7207	Metabolomics		В	Metabolic syndrome
		N	Global environment	1207	Wietabolomics		C	Abnormal lipid metabolism Disorder of purine metabolism
		N				2		Abnormal bone and calcium metabolism
			Traffic medicine	1				Metabolic electrolyte abnormality
		_	Food sanitation	1			A	Endocrinology
			Community health nursing	7208	Endocrinology			Reproductive endocrinology
		В				١.		Hematology
		C	School health			1	В	Hematology/Oncology
		D	Adult health issues	1				Thrombosis/Hematostasis
			Health/Nutrition	7209	Hematology			Transfusion medicine
			Health management	-		2		Hematopoietic stem cell transplantation
			Health education		Collaganous			Hematology/Immunology
	Public health/	H	Behavioral healthcare					Immune regulation
7102	Health science	J	Population problem					Connective tissue diseases
		K	International health	7010	Collagenous			Rheumatology
		Ţ	Health administration	1/210	pathology/	_		Allergology
		N	Hospital management Medical informatics	1	Allergology	2		Clinical immunology Inflammation
		IN IN	Care insurance	1		H		Infection diagnosis
			Epidemiology		Infectious			Infection diagnosis Infection therapy
		R						Infection therapy Infection prevention
			Mass-screening	7211	disease			International infection science
	Legal medicine	A	č	1	medicine			Infection epidemiology
		В		11				Opportunistic infection
		C	Criminal psychiatry					Developmental pediatrics
		D		11			В	Growth and developmental medicine
		E	Compensation science				C	Pediatric neurology
7103		F				1	D	Pediatric endocrinology
			Formsic examination			1		Pediatric metabolism/Nutrition
		Н						Hereditary/Teratology
		J						Pediatric health
		K	DNA polymorphism	-				Pediatric social medicine
		L	Forensic pathology	7212	Pediatrics			Pediatric hematology Pediatric oncology
Di ani	inlina. Clinical	:4	annal madiaina			2		
Y4	ipline: Clinical			1			L	Pediatric immunology/Allergy/Connective tissue
Number	Research Field		ening Sub-panel Number / Keyword]				diseases
			Psychosomatic internal medicine					Pediatric cardiology
	General internal		Stress science					Pediatric respirology
	medicine	C		1				Pediatric infectious disease
7201	(including		Alternative medicine	-				Pediatric nephrology/Urology
	psychosomatic		E Palliative medicine F General medicine				Pediatric gastroenterology Prenatal diagnosis	
	medicine)				Embryonic/			Fetal medicine
			G Primary care H Geriatrics		Neonatal		С	
		_	Upper gastroenterology (esophagus, stomach,	1213	medicine			Neonatal medicine
		1	duodenum) B Lower gastroenterology (esopnagus, stomacn, duodenum)		medicine		F	Premature baby medicine
70 ^ -	G	2 P						Skin diagnostics
/202	Gastroenterology	3 C	Hepatology	11		1		Dermatopathology
		4 D	Biliary-Pancreatology	11		1		Dermatologic oncology
			Digestive endoscopy	11				Laser therapeutics
		1 A	Clinical cardiology	7214	Dermatology		Е	Skin physiology
7203			Molecular cardiology]]		2	F	Pigment cell biology
			Molecular vascular biology	1		-	G	Sexually transmitted diseases
	Respiratory	1 A	Obstructive lung disease	1				Infectious diseases
7204	organ internal	В	Non-obstructive lung disease, pulmonary					Inflammation and regeneration
	medicine	2	fibrosis, respiratory infection and other diseases			1	A	Psychopharmacology
		1	. 1	-		L		Clinical molecular genetics
	Kidney		Nephrology	$\ $				Psychophysiology
7205	internal		Hypertension Wester and electrolyte metabolism	1				Psychopathology Social psychiatry
	medicine		Water and electrolyte metabolism	7215	Psychiatric			Social psychiatry Child and adelegacone psychiatry
		E	Hemodialysis] /215	science	2		Child and adolescence psychiatry
						2	U	Geriatric psychiatry Forensic psychiatry
								Neuropsychology
								Liaison psychiatry
								Psychiatric rehabilitation

(Discipline: Clinical surgery)

ν.	apinie. Cinnea	11 111	ter	mal medicine)	(Dis	cipline: Clinical	ls	ur	gery)
Item Number	Research Field	Sci	ree	ning Sub-panel Number / Keyword	Item Number	Research Field	So	cre	ening Sub-panel Number / Keyword
rumoer		Ħ,	A	Medical imaging (including diagnostic	rumber		Ī.	Α	Obstetrics
				X-Ray/CT		Obstatuiss and	1	В	Reproductive medicine
				Magnetic resonance imaging	7308	Obstetrics and		С	Gynecology
]		Nuclear medicine (including PET)		gynecology		D	Gynecologic oncology
				Radiopharmaceuticals/Contrast medium					Menopause medicine
				Radiation safety management					Otology
				Medical imaging technology			2		Rhinology
7216	Radiation science			Interventional radiology	7309	Otorhinolaryngology			Head and neck surgery
7210				giopiasty/Osteopiasty/ v ascular embonization	1307	Otorimiotal yligology	3		Tracheal esophageal study
				Radiofrequency ablation (RFA)/Stent	nt			Е	Laryngology
				treatment/Reserver treatment					Pharyngology
				Therapeutic radiology					Clinical research
				Radiation oncology					Epidemiology study
				Radiotherapy physics					Social medicine
				Radiotherapy biology			1		Ocular biochemistry and molecular biology
			Ų	Particle beam therapy	1		1	E	Ocular cell biology
		_							Ophthalmic genetics
	ipline: Clinica	ıl su	rg	ery	,			G	Ocular histology
Item Number	Research Field	Sci	reer	ning Sub-panel Number / Keyword	7310	Ophthalmology		Н	Ocular pathology
		Π.	A	General surgery		philinology			Ocular pharmacology
				Transplant surgery			Ì		Ocular physiology
		1	C	Artificial organs science			Ì	L	Ocular developmental and regenerative biology
7301	General			Vascular surgery			2	M	Ocular immunology
7501	surgery			Experimental surgery		D. Paris			Ocular microbiology/Infectious diseases
				Endocrine surgery					Orthoptic science
				Breast surgery					Ophthalmological optics
				Surgical metabolism and nutrition				R	-1
				Esophageal surgery				A	Gastroenterology of congenital diseases
				Gastroduodenal surgery					Surgery of congenital caldiovascular diseases
7302	Digestive	2 1	C (Colorectal surgery	7311	Pediatric			Fetal surgery
7302	surgery	3	ם ו	Hepatic surgery Surgery for spleen and portal vein		surgery			Pediatric urology Pediatric chest surgery
			E,	Biliary surgery					Pediatric enest surgery Pediatric oncology
				Pancreatic surgery					Reconstructive surgery
		1	A	Cardiovascular surgery					Wound healing science
	Thoracic surgery			Chest surgery	7312	Plastic surgery			Microsurgery
7303				Mediastinal surgery	1				Tissue culture/Transplantation
				Pleural surgery				E	
		Π.	A]	Head injury		1		Α	Intensive care medicine
			В	Cerebrovascular disorder		Emergency		В	
				Cerebral blood vessel surgery	7313	medicine		C	Emergency resuscitation science
				Experimental brain surgery		medicine			Acute toxicology
	G 1 1			Diagnostic neuroimaging				Е	Disaster medicine
7304	Cerebral	- I - I-		Brain tumor					
	neurosurgery		G]	Functional cranial nerve surgery		Discipline: Dentistr			
			Н	Pediatric neurological surgery	Item Number	Research Field	\mathbf{v}	ev	word
				Spinal cord/Spine disease	rvanioci	Research Field	V		
		2	J	AATHAL COLUMNIA UNGANG			K	Ť	-
					7401	Morphological	K	A	Oral anatomy (including histology/embryology)
			K]	Brain surgical instruments Radiation neurological surgery	7401		K	A	-
]	K] L] A S	Brain surgical instruments Radiation neurological surgery Spinal disorders		Morphological basic dentistry	K	A B C	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology
		1	K] L] A ! B]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders	7401	Morphological basic dentistry Functional	K	A B C A B	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry
		1	K] L] A . C]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy		Morphological basic dentistry Functional basic dentistry	K	A B C A B	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology
		1 -	K] L A C D	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation		Morphological basic dentistry Functional basic dentistry Pathobiological	K	A B C A B C	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology
		1 -	K] L] A [C] D] E]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors		Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/	N	A B C A B C	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation
7305	Orthopaedic	1 - 0	K] L] A S B] C] D] E]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery	7402	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental	N.	A B C A B C	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology
7305	Orthopaedic surgery	1 2 2	K] L] A S B] C] D] E] G]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics	7402	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology		A B C A B C	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology
7305			K] L] A S B] C] C] E] F] G] H]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology	7402	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative		A B C A B C D	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry
7305		1 2	K] L] L] A S B] C] D] C] F] G] H] J J J	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders	7402	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology		A B C A B C D A B	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist
7305		1 2	K] L] A S B] C] D] F] G] H] J ,	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases	7402	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry		A B C A B C D A B	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics
7305			K] L] A S B] C] D] E] G] H] J] L]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism	7402 7403 7404	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic		A B C A B C D A B	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral bhysiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics
7305	surgery		K] L] A S B] C] D] E] F] H] K] L] M S	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine	7402	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic		A B C A B C D A B C	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral bhysiology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics
	surgery Anesthesiology/		K] L] A S B] C] C] D] E] G] H] J] L] M S A]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology	7402 7403 7404	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic		A B C A B C D A B C D	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral bysiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics
	surgery Anesthesiology/ Resuscitation		K] L] A S B] C] D] E] F] H] K] K] A A B]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies	7402 7403 7404	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic		A B C A B C D A B C D E	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral bysiology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function
	surgery Anesthesiology/		K] L] A . B] C] D] E] H] J] K] H] A . A . B] C]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies Perioperative management	7402 7403 7404	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic		A B C A B C D A B C D A B C D A B C	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral bysiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics
	surgery Anesthesiology/ Resuscitation		K] L] A S B] C] D] E] H] K] K] C] C] D]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies	7402 7403 7404 7405	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic dentistry Dental engineering/		A B C A B C D A B C D E A B B C D E A B B C D E A B B C D E A B B C D E A B B B C D E A B B B B B B B B B B B B B B B B B B	Oral anatomy (including histology/embryology) Oral pathology Oral bacteriology Oral bysiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function Dental science and engineering
	surgery Anesthesiology/ Resuscitation		K] L] A S B] C] D] E] F] H] J] K] L] L] D] A [D] A [D] A [D]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies Perioperative management Pain management	7402 7403 7404	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic dentistry Dental engineering/		A B C A B A B C D E A B C C	Oral anatomy (including histology/embryology) Oral pathology Oral pathology Oral bacteriology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function Dental science and engineering Dental materials science
	surgery Anesthesiology/ Resuscitation		K] L] A S B] C] D] E] G] H] J] K] A [C] D] A [C] C] C]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies Perioperative management Pain management Oncology Voiding function and dysfunction Urolithiasis studies	7402 7403 7404 7405	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic dentistry Dental engineering/		A B C D A B C D E A B C D	Oral anatomy (including histology/embryology) Oral pathology Oral pathology Oral bacteriology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function Dental science and engineering Dental materials science Biomaterials science
	surgery Anesthesiology/ Resuscitation		K] L] A S B] C] D] E] G] H] J] K] A [C] D] A [C] C] C]	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies Perioperative management Pain management Oncology Voiding function and dysfunction	7402 7403 7404 7405	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic dentistry Dental engineering/ Regenerative		A B C D A B C D E A B C D E F	Oral anatomy (including histology/embryology) Oral pathology Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function Dental science and engineering Dental materials science Biomaterials science Adhesion dentistry Regenerative dentistry Oral implantology
7306	surgery Anesthesiology/ Resuscitation		K] L] A S B] C] D] E] B] C] C] C] C] C] C] C] C] C	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies Perioperative management Pain management Oncology Voiding function and dysfunction Urolithiasis studies Infectious diseases Regenerative medicine	7402 7403 7404 7405	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic dentistry Dental engineering/ Regenerative	1	A B C D A B C D E A B C D E F A	Oral anatomy (including histology/embryology) Oral pathology Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function Dental science and engineering Dental materials science Biomaterials science Biomaterials science Biomaterials science Adhesion dentistry Regenerative dentistry Oral implantology Oral and maxillofacial surgery
7306	Anesthesiology/ Resuscitation studies		K L L L A S B B B B B B B B B	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies Perioperative management Pain management Oncology Voiding function and dysfunction Urolithiasis studies Infectious diseases Regenerative medicine Teratology	7402 7403 7404 7405	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic dentistry Dental engineering/ Regenerative dentistry	1	A B C D A B C D E A B C D E F A B B	Oral anatomy (including histology/embryology) Oral pathology Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function Dental science and engineering Dental materials science Biomaterials science Biomaterials science Adhesion dentistry Regenerative dentistry Oral implantology Oral and maxillofacial surgery Clinical oncology
7306	Anesthesiology/ Resuscitation studies		K] L] L] A	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies Perioperative management Pain management Oncology Voiding function and dysfunction Urolithiasis studies Infectious diseases Regenerative medicine Teratology Adrenal surgery	7402 7403 7404 7405	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic dentistry Dental engineering/ Regenerative dentistry Surgical	1 2	A B C D A B C D E A B C D E F A B C D E F A B C D E F A B	Oral anatomy (including histology/embryology) Oral pathology Oral pathology Oral bacteriology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function Dental science and engineering Dental materials science Biomaterials science Biomaterials science Adhesion dentistry Regenerative dentistry Oral implantology Oral and maxillofacial surgery Clinical oncology Dental anesthesiology
7306	Anesthesiology/ Resuscitation studies		K] L] A	Brain surgical instruments Radiation neurological surgery Spinal disorders Muscle/Nerve disorders Physical therapy Musculoskeletal rehabilitation Bone and soft tissue tumors Limb reconstruction surgery Pediatric orthopaedics Musculoskeletal traumatology Joint disorders Rheumatic diseases Bone cartilage metabolism Sports medicine Anesthesiology Resuscitation studies Perioperative management Pain management Oncology Voiding function and dysfunction Urolithiasis studies Infectious diseases Regenerative medicine Teratology	7402 7403 7404 7405	Morphological basic dentistry Functional basic dentistry Pathobiological dentistry/ Dental radiology Conservative dentistry Prosthetic dentistry Dental engineering/ Regenerative dentistry	1	A B C D A B C D E A B C D	Oral anatomy (including histology/embryology) Oral pathology Oral pathology Oral bacteriology Oral physiology Oral biochemistry Dental pharmacology Experimental oncology Immunity/Infection/Inflammation General dental radiology Oral and maxillofacial radiology Oral and maxillofacial radiology Operative dentistry Endodontist General prosthodontics Removable denture prosthodontics Fixed partial denture prosthodontics Oral and maxillofacial prosthetics Stomatognathic function Dental science and engineering Dental materials science Biomaterials science Adhesion dentistry Regenerative dentistry Oral implantology Oral and maxillofacial surgery Clinical oncology

(Discipline: Dentistry)

Item Number	Research Field	Screening Sub-panel Number / Keyword
7408	Orthodontic/ Pediatric dentistry	A Orthodontics B Pediatric dentistry C Pediatric oral health science D Stomatognathic function and mechanics
7409	Periodontal dentistry	A Periodontal immunology B Surgical periodontology C Preventive periodontology
7410	Social dentistry	A Dental hygiene (including public hygiene/nutrition) B Preventive dentistry C Oral health administration and management D Forensic odontology E Gerodontics F Psychosomatic medicine dentistry

Discipline: Nursing

Item Number	Research Field	Screening Sub-panel Number / Keyword					
		T	Α	Nursing philosophy			
				Nursing ethics			
				Nursing art			
	Fundamental			Nursing education			
7501	nursing			Nursing management			
			F	Nursing policy/Administration			
				Disaster nursing			
				History of nursing			
				Critical care/Emergency nursing			
			В	Perioperative nursing			
7502	Clinical nursing		С	Adult nursing (chronic)			
7502				Rehabilitation nursing			
			Е	Tarminal care			
			F	Onclology nursing			
	Lifelong		A	Family health nursing			
7502	developmental		В	Maternal/Women's nursing			
1303	nursing		C	Midwifery			
	nursing		D	Child health nursing			
				Community health nursing			
		1	В	Public health nursing			
		•	C	School nursing			
	Community		D	Occupational and environmental health nursing			
7504	health/			Gerontological nursing			
1504	Gerontological			Psychiatric/Mantal health nursing			
	nurisng	2		Home nursing			
				Visiting nursing			
				Family health nursing			
		Ì	K	Rehabilitation nursing			