

Attached Table 1 List of Categories, Areas, Disciplines and Research Fields

(1) Grants-in-Aid for Scientific Research FY2014 List of Categories, Areas, Disciplines and Research Fields

Category: Integrated Disciplines

Area	Discipline	Research Field	Item Number	Remark				
Informatics	Principles of Informatics	Theory of informatics	1001					
		Mathematical informatics	1002					
		Statistical science	1003					
	Principles of Informatics	Principles of Informatics	Computer system	1101				
			Software	1102				
			Information network	1103				
			Multimedia database	1104				
			High performance computing	1105				
			Information security	1106				
	Human informatics	Human informatics	Cognitive science	1201				
			Perceptual information processing	1202				
			Human interface and interaction	1203				
			Intelligent informatics	1204				
			Soft computing	1205				
			Intelligent robotics	1206				
			Kansei informatics	1207				
			Frontiers of informatics	Frontiers of informatics	Life / Health / Medical informatics	1301		
					Web informatics, Service informatics	1302	A B	
					Library and information science/ Humanistic social informatics	1303	A B	
	Learning support system	1304						
	Entertainment and game informatics	1305						
	Environmental analyses and evaluation	Environmental analyses and evaluation			Environmental dynamic analysis	1401		
					Risk sciences of radiation and chemicals	1402	A B	
			Environmental impact assessment	1403				
			Environmental conservation	Environmental conservation	Environmental engineering and reduction of environmental burden	1501		
					Modeling and technologies for environmental conservation and remediation	1502		
Environmental conscious materials and recycle					1503			
Environmental risk control and evaluation					1504			
Sustainable and environmental system development			Sustainable and environmental system development	Environmental and ecological symbiosis	1601			
				Design and evaluation of sustainable and environmental conscious system	1602			
				Environmental policy and social systems	1603			
	Design science	Design science		Design science	1651			
Human life science			Human life science	Home economics/Human life	1701			
				Clothing life/Dwelling life	1702			
				Eating habits	1703	A B		
Science education/ Educational technology			Science education/ Educational technology	Science education	1801			
				Educational technology	1802			
Sociology/History of science and technology			Sociology/History of science and technology	1901				
Cultural assets study and museology			Cultural assets study and museology	Cultural assets study and museology	2001	A B		
				Geography	2101			
Social/Safety system science			Social/Safety system science	Social systems engineering/ Safety system	2201	A B		
				Natural disaster / Disaster prevention science	2202	A B		
				Biomedical engineering	Biomedical engineering	Biomedical engineering/ Biomaterial science and engineering	2301	A B
						Medical systems	2302	
						Medical engineering assessment	2303	
Rehabilitation science/ Welfare engineering			Rehabilitation science/ Welfare engineering	Rehabilitation science/ Welfare engineering	2304	A B		

Area	Discipline	Research Field	Item Number	Remark	
Complex systems	Health/Sports science	Developmental mechanisms and the body works	2401	A B	
		Sports science	2402	A B	
		Applied health science	2403	A B	
	Childhood science	Childhood science (childhood environment science)	Childhood science (childhood environment science)	2451	
	Biomolecular science	Biomolecular science	Biomolecular chemistry	2501	
			Chemical biology	2502	
	Brain sciences	Brain sciences	Basic / Social brain science	2601	A B
			Brain biometrics	2602	

Category: Humanities and Social Sciences

Area	Discipline	Research Field	Item Number	Remark		
Humanities/ Social sciences	Area studies	Area studies	2701			
	Gender	Gender	2801			
Humanities	Tourism Studies	Tourism Studies	2851			
	Philosophy	Philosophy/Ethics	Philosophy/Ethics	2901		
			Chinese philosophy/Indian philosophy/Buddhist studies	2902		
			Religious studies	2903		
			History of thought	2904		
			Aesthetics and studies on art	3001		
	Art studies	Art studies	Fine art history	3002		
			Art at large	3003		
			Literature	Literature	Japanese literature	3101
	Literature in English	3102				
	European literature	3103				
	Chinese literature	3104				
	Literature in general	3105				
	Linguistics	Linguistics	Linguistics	3201		
			Japanese linguistics	3202		
			English linguistics	3203		
			Japanese language education	3204		
			Foreign language education	3205		
	History	History	Historical studies in general	3301		
			Japanese history	3302		
			History of Asia and Africa	3303		
			History of Europe and America	3304		
			Archaeology	3305		
	Human geography	Human geography	3401			
	Cultural anthropology	Cultural anthropology	3501			
	Social sciences	law	law	Fundamental law	3601	
				Public law	3602	
International law				3603		
Social law				3604		
Criminal law				3605		
Civil law				3606		
New fields of law				3607		
Politics		Politics	Politics	3701		
			International relations	3702		
Economics		Economics	Economic theory	3801		
			Economic doctrine/ Economic thought	3802		
			Economic statistics	3803		
			Economic policy	3804		
			Public finance/Public economy	3805		
			Money/ Finance	3806		
	Economic history		3807			
Management	Management	Management	3901			
		Commerce	3902			
Sociology	Sociology	Accounting	3903			
		Sociology	4001			
Social welfare and social work studies	4002					

When applying for research fields tagged [A] or [B] in Table 1, it is also necessary to select [A] or [B] from Attached Table 2 "Appendix Table of Keywords".

(Humanities and Social Sciences)

Area	Discipline	Research Field	Item Number	Remark
Social sciences	Psychology	Social psychology	4101	
		Educational psychology	4102	
		Clinical psychology	4103	
		Experimental psychology	4104	
	Education	Education	4201	
		Sociology of education	4202	
		Education on school subjects and activities	4203	
		Special needs education	4204	

Category: Science and Engineering
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Interdisciplinary science and engineering	Nano/Micro science	Nanostructural chemistry	4301		
		Nanostructural physics	4302		
		Nanomaterials chemistry	4303		
		Nanomaterials engineering	4304		
		Nanobioscience	4305		
		Nano/Microsystems	4306		
	Applied physics	Applied materials	4401		
		Crystal engineering	4402		
		Thin film/Surface and interfacial physical properties	4403		
		Optical engineering, Photon science	4404		
		Plasma electronics	4405		
	Quantum beam science	General applied physics	4406		
		Quantum beam science	4501		
	Computational science	Computational science	4601		
	Mathematical and physical sciences	Mathematics	Algebra	4701	
			Geometry	4702	
			Basic analysis	4703	
Mathematical analysis			4704		
Foundations of mathematics/Applied mathematics			4705		
Astronomy		Astronomy	4801		
Physics		Particle/Nuclear/Cosmic ray/Astro physics	4901		
		Condensed matter physics I	4902		
		Condensed matter physics II	4903		
		Mathematical physics/Fundamental condensed matter physics	4904		
		Atomic/Molecular/Quantum electronics	4905		
		Biological physics/Chemical physics/Soft matter physics	4906		
		Solid earth and planetary physics	5001		
Earth and planetary science		Meteorology/Physical oceanography/Hydrology	5002		
		Space and upper atmospheric physics	5003		
		Geology	5004		
		Stratigraphy/Paleontology	5005		
		Petrology/Mineralogy/Economic geology	5006		
		Geochemistry/Cosmochemistry	5007		
		Plasma science	Plasma science	5101	
Chemistry		Basic chemistry	Physical chemistry	5201	
			Organic chemistry	5202	
			Inorganic chemistry	5203	
			Functional solid state chemistry	5301	
		Applied chemistry	Synthetic chemistry	5302	
			Polymer chemistry	5303	
			Analytical chemistry	5304	
			Bio-related chemistry	5305	
			Green/Environmental chemistry	5306	
			Energy-related chemistry	5307	
			Organic and hybrid materials	5401	
		Materials chemistry	Polymer/Textile materials	5402	
			Inorganic industrial materials	5403	
	Device related chemistry		5404		
	Engineering		Mechanical engineering	Materials/Mechanics of materials	5501
Production engineering/Processing studies		5502			

Area	Discipline	Research Field	Item Number	Remark	
Engineering	Mechanical engineering	Design engineering/ Machine functional elements/ Tribology	5503		
		Fluid engineering	5504		
		Thermal engineering	5505		
		Dynamics/Control	5506		
		Intelligent mechanics/ Mechanical systems	5507		
		Electrical and electronic engineering	Power engineering/Power conversion/Electric machinery	5601	
			Electronic materials/ Electric materials	5602	
	Electron device/ Electronic equipment		5603		
	Communication/ Network engineering		5604		
	Measurement engineering		5605		
	Control engineering/System engineering		5606		
	Civil engineering	Civil engineering materials/ Construction/ Construction management	5701		
		Structural engineering/ Earthquake engineering/ Maintenance management engineering	5702		
		Geotechnical engineering	5703		
		Hydraulic engineering	5704		
		Civil engineering project/ Traffic engineering	5705		
		Civil and environmental engineering	5706		
		Architecture and building engineering	Building structures/Materials	5801	
	Architectural environment/ Equipment		5802		
	Town planning/ Architectural planning		5803		
	Architectural history/Design		5804		
	Material engineering	Physical properties of metals/Metal-base materials	5901		
		Inorganic materials/Physical properties	5902		
		Composite materials/Surface and interface engineering	5903		
		Structural/Functional materials	5904		
		Material processing/Microstructural control engineering	5905		
		Metal making/Resource production engineering	5906		
	Process/Chemical engineering	Properties in chemical engineering process/Transfer operation/Unit operation	6001		
		Reaction engineering/Process system	6002		
		Catalyst/Resource chemical process	6003		
		Biofunction/Bioprocess	6004		
	Integrated engineering	Aerospace engineering	6101		
		Naval and maritime engineering	6102		
Earth system and resources engineering		6103			
Nuclear fusion studies		6104			
Nuclear engineering		6105			
Energy engineering	6106				

Category: Biological Sciences

Area	Discipline	Research Field	Item Number	Remark	Area	Discipline	Research Field	Item Number	Remark
Biological Sciences	Neuroscience	Neurophysiology / General neuroscience	6201		Medicine, dentistry, and pharmacy	Basic medicine	General anatomy (including histology/embryology)	7901	
		Nerve anatomy/Neuropathology	6202	A B			General physiology	7902	
		Neurochemistry/Neuropharmacology	6203				Environmental physiology (including physical medicine and nutritional physiology)	7903	
	Laboratory animal science	Laboratory animal science	6301				General pharmacology	7904	
	Oncology	Tumor biology	6401	A B			General medical chemistry	7905	
		Tumor diagnostics	6402				Pathological medical chemistry	7906	
		Tumor therapeutics	6403				Human genetics	7907	
	Genome science	Genome biology	6501				Human pathology	7908	
		Medical genome science	6502				Experimental pathology	7909	
		System genome science	6503				Parasitology (including sanitary zoology)	7910	
	Conservation of biological resources	Conservation of biological resources	6601				Bacteriology (including mycology)	7911	
	Biology	Biological Science	Molecular biology	6701				Virology	7912
Structural biochemistry			6702		Immunology	7913			
Functional biochemistry			6703		Medical sociology	8001			
Biophysics			6704		Applied pharmacology	8002			
Cell biology			6705		Laboratory medicine	8003			
Developmental biology			6706		Medical Physics and Radiological Technology	8005			
Basic biology		Plant molecular biology/Plant physiology	6801		Pain science	8004			
		Morphology/Structure	6802		Epidemiology and preventive medicine	8101			
		Animal physiology/Animal behavior	6803		Hygiene and public health	8102			
		Genetics/Chromosome dynamics	6804		Medical and hospital management	8103			
		Evolutionary biology	6805		Legal medicine	8104			
		Biodiversity/Systematics	6806		General internal medicine (including psychosomatic medicine)	8201			
Anthropology	Ecology/Environment	6807		Gastroenterology	8202				
	Physical anthropology	6901		Cardiovascular medicine	8203				
Agricultural sciences	Plant production and environmental agriculture	Science in genetics and breeding	7001		Respiratory organ internal medicine	8204			
		Crop production science	7002		Kidney internal medicine	8205			
		Horticultural science	7003		Neurology	8206			
		Plant protection science	7004	A B	Metabolomics	8207			
	Agricultural chemistry	Plant nutrition/Soil science	7101		Endocrinology	8208			
		Applied microbiology	7102		Hematology	8209			
		Applied biochemistry	7103		Collagenous pathology/Allergology	8210			
		Bioorganic chemistry	7104		Infectious disease medicine	8211			
		Food science	7105		Pediatrics	8212			
	Forest and forest products science	Forest science	7201		Embryonic/Neonatal medicine	8213			
		Wood science	7202		Dermatology	8214			
	Applied aquatic science	Aquatic bioproduction science	7301	A B	Psychiatric science	8215			
Aquatic life science		7302		Radiation science	8216				
Agricultural science in management and economy	Agricultural science in management and economy	7401		General surgery	8301				
	Agricultural science in rural society and development	7402		Digestive surgery	8302				
Agro-engineering	Rural environmental engineering/Planning	7501		Cardiovascular surgery	8303				
	Agricultural environmental engineering/Agricultural information engineering	7502	A B	Respiratory surgery	8304				
Animal life science	Animal production science	Animal production science	7601	A B	Neurosurgery	8305			
		Veterinary medical science	7602	A B	Orthopaedic surgery	8306			
		Integrative animal science	7603	A B	Anesthesiology	8307			
Boundary agriculture	Insect science	Insect science	7701		Urology	8308			
		Environmental agriculture(including landscape science)	7702	A B	Obstetrics and gynecology	8309			
		Applied molecular and cellular biology	7703		Otorhinolaryngology	8310			
Medicine, dentistry, and pharmacy	Pharmacy	Chemical pharmacy	7801		Ophthalmology	8311			
		Physical pharmacy	7802		Pediatric surgery	8312			
		Biological pharmacy	7803		Plastic surgery	8313			
		Pharmacology in pharmacy	7804		Emergency medicine	8314			
		Natural medicines	7805		Morphological basic dentistry	8401			
		Drug development chemistry	7806		Functional basic dentistry	8402			
		Environmental and hygienic pharmacy	7807		Pathobiological dentistry/ Dental radiology	8403			
		Medical pharmacy	7808		Conservative dentistry	8404			
Medicine, dentistry, and pharmacy	Clinical internal medicine	Chemical pharmacy	7801		Prosthodontics/ Dental materials science and dental engineering/ Regenerative dentistry	8405			
		Physical pharmacy	7802		Dental engineering/	8406			
		Biological pharmacy	7803		Regenerative dentistry	8406			
		Pharmacology in pharmacy	7804		Surgical dentistry	8407			
		Natural medicines	7805		Orthodontics/Pediatric dentistry	8408			
		Drug development chemistry	7806		Periodontology	8409			
		Environmental and hygienic pharmacy	7807		Social dentistry	8410			
		Medical pharmacy	7808		Fundamental nursing	8501			
		Clinical surgery	General internal medicine (including psychosomatic medicine)	8201		Clinical nursing	8502		
			Gastroenterology	8202		Lifelong developmental nursing	8503		
			Cardiovascular medicine	8203		Gerontological nursing	8504		
			Respiratory organ internal medicine	8204		Community health nursing	8505		
Kidney internal medicine	8205								
Neurology	8206								
Dentistry	Metabolomics	8207							
	Endocrinology	8208							
	Hematology	8209							
	Collagenous pathology/Allergology	8210							
	Infectious disease medicine	8211							
	Pediatrics	8212							
	Embryonic/Neonatal medicine	8213							
	Dermatology	8214							
	Psychiatric science	8215							
	Radiation science	8216							
	Nursing	General surgery	8301						
		Digestive surgery	8302						
Cardiovascular surgery		8303							
Respiratory surgery		8304							
Neurosurgery		8305							
Orthopaedic surgery		8306							
Anesthesiology		8307							
Urology		8308							
Obstetrics and gynecology		8309							
Otorhinolaryngology		8310							
Ophthalmology		8311							
Pediatric surgery		8312							