

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

(1) Grants-in-Aid for Scientific Research FY2013 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			
			Cognitive science	1201			
	Human informatics	Human informatics	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		
Complex systems	Design science	Design science	1651				
		Home economics/Human life	1701				
	Human life science	Human life science	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	Sociology/History of science and technology	1901			
			Cultural assets study and museology	2001	A B		
	Geography	Geography	Geography	2101			
			Social systems engineering/ Safety system	2201	A B		
	Social/Safety system science	Social/Safety system science	Natural disaster / Disaster prevention science	2202	A B		
			Biomedical engineering/ Biomaterial science and engineering	2301	A B		
	Biomedical engineering	Biomedical engineering	Medical systems	2302			
			Medical engineering assessment	2303			
			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	2501	
	Brain sciences	Brain sciences	Chemical biology	2502	
			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	2801			
Humanities	Philosophy	Philosophy/Ethics	2901			
		Chinese philosophy/Indian philosophy/Buddhist studies	2902			
		Religious studies	2903			
		History of thought	2904			
	Art studies	Art studies	Aesthetics and studies on art	3001		
			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			
	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	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	
				Accounting	3903	
	Sociology	Sociology		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" (hereinafter called "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			
		Plasma science	Plasma science	5101		
	Earth and planetary science	Solid earth and planetary physics	5001			
		Meteorology/Physical oceanography/Hydrology	5002			
		Space and upper atmospheric physics	5003			
		Geology	5004			
		Stratigraphy/Paleontology	5005			
		Petrology/Mineralogy/Economic geology	5006			
		Geochemistry/Cosmochemistry	5007			
		Chemistry	Basic chemistry	Physical chemistry	5201	
				Organic chemistry	5202	
				Inorganic chemistry	5203	
	Applied chemistry		Functional solid state chemistry	5301		
			Synthetic chemistry	5302		
			Polymer chemistry	5303		
			Analytical chemistry	5304		
Bio-related chemistry			5305			
Green/Environmental chemistry			5306			
Energy-related chemistry			5307			
Materials chemistry	Organic and hybrid materials		5401			
	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		Boundary medicine	Medical sociology	8001		
		Biophysics	6704			Applied pharmacology	8002		
		Cell biology	6705			Laboratory medicine	8003		
		Developmental biology	6706			Pain science	8004		
	Basic biology	Plant molecular biology/Plant physiology	6801		Society medicine	Epidemiology and preventive medicine	8101		
		Morphology/Structure	6802			Hygiene and public health	8102		
		Animal physiology/Animal behavior	6803			Medical and hospital management	8103		
		Genetics/Chromosome dynamics	6804			Legal medicine	8104		
		Evolutionary biology	6805		Clinical internal medicine	General internal medicine (including psychosomatic medicine)	8201		
		Biodiversity/Systematics	6806			Gastroenterology	8202		
		Ecology/Environment	6807			Cardiovascular medicine	8203		
Anthropology	Physical anthropology	6901		Respiratory organ internal medicine		8204			
	Applied anthropology	6902		Kidney internal medicine		8205			
Agricultural sciences	Plant production and environmental agriculture	Science in genetics and breeding	7001			Neurology	8206		
		Crop production science	7002			Metabolomics	8207		
		Horticultural science	7003			Endocrinology	8208		
	Agricultural chemistry	Plant protection science	7004	A B		Hematology	8209		
		Plant nutrition/Soil science	7101			Collagenous pathology/ Allergology	8210		
		Applied microbiology	7102		Infectious disease medicine	8211			
		Applied biochemistry	7103		Pediatrics	8212			
		Bioorganic chemistry	7104		Embryonic/Neonatal medicine	8213			
	Forest and forest products science	Food science	7105		Dermatology	8214			
		Forest science	7201		Psychiatric science	8215			
Agricultural sciences	Applied aquatic science	Wood science	7202		Radiation science	8216			
		Aquatic bioproduction science	7301	A B	Clinical surgery	General surgery	8301		
	Aquatic life science	7302		Digestive surgery		8302			
	Agricultural science in society and economy	Agricultural science in management and economy	7401			Cardiovascular surgery	8303		
		Agricultural science in rural society and development	7402			Respiratory surgery	8304		
	Agro-engineering	Rural environmental engineering/Planning	7501			Neurosurgery	8305		
		Agricultural environmental engineering/Agricultural information engineering	7502	A B		Orthopaedic surgery	8306		
	Animal life science	Animal production science	7601	A B		Anesthesiology	8307		
		Veterinary medical science	7602	A B		Urology	8308		
		Integrative animal science	7603	A B		Obstetrics and gynecology	8309		
Boundary agriculture	Insect science	7701		Otorhinolaryngology		8310			
	Environmental agriculture(including landscape science)	7702	A B	Ophthalmology	8311				
	Applied molecular and cellular biology	7703		Pediatric surgery	8312				
Medicine, dentistry, and pharmacy	Pharmacy	Chemical pharmacy	7801		Plastic surgery	8313			
		Physical pharmacy	7802		Emergency medicine	8314			
		Biological pharmacy	7803		Dentistry	Morphological basic dentistry	8401		
		Pharmacology in pharmacy	7804			Functional basic dentistry	8402		
		Natural medicines	7805			Pathobiological dentistry/ Dental radiology	8403		
		Drug development chemistry	7806			Conservative dentistry	8404		
		Environmental and hygienic pharmacy	7807			Prosthodontics/ Dental materials science and engineering	8405		
		Medical pharmacy	7808			Dental engineering/ Regenerative dentistry	8406		
		Nursing	Fundamental nursing	8501			Surgical dentistry	8407	
			Clinical nursing	8502			Orthodontics/Pediatric dentistry	8408	
Lifelong developmental nursing	8503			Periodontology		8409			
Gerontological nursing	8504			Social dentistry		8410			
Community health nursing	8505								