

Attached Table 2 List of Categories, Areas, Disciplines and Research Fields

(1) List of Categories, Areas, Disciplines and Research Fields for FY2012 Grants-in-Aid for Scientific Research

Category: Integrated Science and Innovative Science

Area	Discipline	Research Field	Item Number	Remark	
Comprehensive fields	Informatics	Fundamental theory of informatics	1001		
		Software	1002		
		Computer system/Network	1003	A B	
		Media informatics/Database	1004	A B	
		Intelligent informatics	1005		
		Perception information processing/Intelligent robotics	1006	A B	
		Sensitivity informatics/Soft computing	1007	A B	
		Library and information science/Humanistic social informatics	1008	A B	
		Cognitive science	1009		
		Statistical science	1010		
		Bioinformatics/Life informatics	1011	A B	
		Cerebral Neuroscience	Neuroscience in general	1101	
			Nerve anatomy/Neuropathology	1102	A B
			Neurochemistry/Neuropharmacology	1103	
			Neurophysiology and muscle physiology	1104	A B
	Fusional basic brain science		1105		
	Fusional brain recording science		1106		
	Fusional social brain science		1107		
	Laboratory animal science	Laboratory animal science	1201		
	Biomedical engineering	Biomedical engineering/Biological material science	1301	A B	
		Medical systems	1302		
		Rehabilitation science/Welfare engineering	1303	A B	
	Health/Sports science	Physical education	1401	A B	
		Sports science	1402	A B	
		Applied health science	1403	A B	
	Human life science	General human life sciences	1501	A B	
		Eating habits, studies on eating habits	1502	A B	
	Science education/Educational technology	Science education	1601	※	
		Educational technology	1602	※	
	Sociology/History of science and technology	Sociology/History of science and technology	1701		
	Cultural property science	Cultural property science	1801		
	Museology	Museology	1851		
	Geography	Geography	1901		
	Oncology	Carcinogenesis	1951		
		Tumor biology	1952		
		Tumor immunology	1953		
		Tumor diagnosis	1954		
		Clinical oncology	1955		
		Cancer epidemiology and prevention	1956		

Area	Discipline	Research Field	Item Number	Remark
New multidisciplinary fields	Environmental science	Environmental dynamic analysis	2001	
		Environmental impact assessment/Environmental policy	2002	A B
		Risk sciences of radiation/Chemicals	2003	A B
		Environmental technology/Environmental materials	2004	A B
		Quantum beam science	Quantum beam science	2051
	Nano/Micro science	Nanostructural science	2101	A B
		Nanomaterials/Nanobioscience	2102	A B
		Microdevices/Nanodevices	2103	A B
	Social/Safety system science	Social systems engineering/Safety system	2201	A B
		Natural disaster science	2202	A B
	Genome science	Genome biology	2301	
		Medical genome science	2302	
		System Genome Science	2303	
		Applied Genomics	2304	A B
	Biomolecular science	Biomolecular science	2401	
		Chemical biology	2402	
	Resource conservation science	Resource conservation science	2501	
	Area studies	Area studies	2601	
	Gender	Gender	2701	

Category: Humanities and Social Sciences

Area	Discipline	Research Field	Item Number	Remark
Humanities	Philosophy	Philosophy/Ethics	2801	
		Chinese philosophy	2802	
		Indian philosophy/Buddhist studies	2803	
		Religious studies	2804	
		History of thought	2805	
		Aesthetics/Art history	2806	
	The arts	Study of the arts/History of the arts/Arts in general	2851	
	Literature	Japanese literature	2901	
		Literature in English	2902	
		European literature (English literature excluded)	2903	
		Literatures/Literary theories in other countries and areas	2904	
	Linguistics	Linguistics	3001	※
		Japanese linguistics	3002	
		English linguistics	3003	
		Japanese language education	3004	
		Foreign language education	3005	※
	History	Historical studies in general	3101	
		Japanese history	3102	
		Asian history	3103	
		History of Europe and America	3104	
		Archaeology	3105	
	Human geography	Human geography	3201	
	Cultural anthropology	Cultural anthropology/Folklore	3301	

The first stage of the screening of the research fields that have the indication "A" or "B" in the remarks column is carried out in separate groups. The basis for this division in separate groups is the keywords that need to be selected within each research category. Make sure to select A or B based on the Attached Table "List of Categories, Areas, Disciplines and Research Fields", when applying for these research fields.

The first stage of the screening of the research fields that have the symbol "※" is carried out in separate groups. The basis for this division in separate groups is the keywords that need to be selected within "Scientific Research (C)". Make sure to select a division number from 1 to 5 based on the Attached Table "List of Categories, Areas, Disciplines and Research Fields", when applying for these research fields.

In the case of "Scientific Research (C)", 13 research fields carried in the "List of Disciplines and Research Fields with a Time Limit" have been set up as areas for screening, besides the main table.

(Category: Humanities and Social Sciences)

Area	Discipline	Research Field	Item Number	Remark
Social sciences	Law	Fundamental law	3401	
		Public law	3402	
		International law	3403	
		Social law	3404	
		Criminal law	3405	
		Civil law	3406	
		New fields of law	3407	
	Politics	Politics	3501	
		International relations	3502	
	Economics	Economic theory	3601	
		Economic doctrine/ Economic thought	3602	
		Economic statistics	3603	
		Applied economics	3604	
		Economic policy	3605	
		Public finance/ Monetary economics	3606	
		Economic history	3607	
	Business administration	Business administration	3701	※
		Commerce	3702	
		Accounting	3703	
	Sociology	Sociology	3801	※
		Social welfare and social work studies	3802	
	Psychology	Social psychology	3901	
		Educational psychology	3902	
		Clinical psychology	3903	
		Experimental psychology	3904	
	Education	Education	4001	※
		Sociology of education	4002	
		Education on school subjects and activities	4003	※
		Special needs education	4004	

Category: Science and Engineering

Mathematical and physical sciences	Mathematics	Algebra	4101	※	
		Geometry	4102		
		General mathematics (including Probability theory/ Statistical mathematics)	4103		
		Basic analysis	4104		
		Global analysis	4105		
		Astronomy	Astronomy	4201	
	Physics	Particle/Nuclear/Cosmic ray/ Astro physics	4301	※	
		Condensed matter physics I	4302		
		Condensed matter physics II	4303	※	
		Mathematical physics/ Fundamental condensed matter physics	4304		
		Atomic/Molecular/ Quantum electronics	4305		
		Biophysics/Chemical physics	4306		
	Earth and planetary science	Solid earth and planetary physics	4401		
		Meteorology/Physical oceanography/Hydrology	4402		
		Space and upper atmospheric physics	4403		
		Geology	4404		
		Stratigraphy/Paleontology	4405		
		Petrology/Mineralogy/ Science of ore deposit	4406		
		Geochemistry/Astrochemistry	4407		
	Plasma science	Plasma science	4501		
	Chemistry	Basic chemistry	Physical chemistry	4601	
			Organic chemistry	4602	
			Inorganic chemistry	4603	
		Applied Chemistry	Analytical chemistry	4701	
			Synthetic chemistry	4702	
			Polymer chemistry	4703	
			Functional materials chemistry	4704	
			Environmental chemistry	4705	
			Bio-related chemistry	4706	
		Materials chemistry	Functional materials/Devices	4801	
Organic industrial materials			4802		
Inorganic industrial materials			4803		
Polymer/Textile materials			4804		

Area	Discipline	Research Field	Item Number	Remark
Engineering	Applied physics	Applied materials science/ Crystal engineering	4901	
		Thin film/Surface and interfacial physical properties	4902	
		Applied optics/Quantum optical engineering	4903	
		Applied physics, general	4904	
		Engineering fundamentals	4905	
	Mechanical engineering	Materials/Mechanics of materials	5001	
		Production engineering/ Processing studies	5002	
		Design engineering/ Machine functional elements/ Tribology	5003	
		Fluid engineering	5004	
		Thermal engineering	5005	
		Dynamics/Control	5006	
		Intelligent mechanics/ Mechanical systems	5007	
	Electrical and electronic engineering	Power engineering/ Power conversion/ Electric machinery	5101	
		Electronic materials/ Electric materials	5102	
		Electron device/ Electronic equipment	5103	
		Communication/Network engineering	5104	
		System engineering	5105	
		Measurement engineering	5106	
		Control engineering	5107	
	Civil engineering	Civil engineering materials/ Construction/ Construction management	5201	
		Structural engineering/ Earthquake engineering/ Maintenance management engineering	5202	
		Geotechnical engineering	5203	
		Hydraulic engineering	5204	
		Civil engineering project/ Traffic engineering	5205	
		Civil and environmental engineering	5206	
	Architecture and building engineering	Building structures/materials	5301	
		Architectural environment/equipment	5302	
		Town planning/Architectural planning	5303	
		Architectural history/design	5304	
	Material engineering	Physical properties of metals	5401	
Inorganic materials/ Physical properties		5402		
Composite materials/ Physical properties		5403		
Structural/Functional materials		5404		
Material processing/treatments		5405		
Metal making engineering	5406			
Process engineering	Properties in chemical engineering process/Transfer operation/Unit operation	5501		
	Reaction engineering/ Process system	5502		
	Catalyst/Resource chemical process	5503		
	Biofunction/Bioprocess	5504		
Integrated engineering	Aerospace engineering	5601		
	Naval and maritime engineering	5602		
	Earth system and resources engineering	5603		
	Recycling engineering	5604		
	Nuclear fusion studies	5605		
	Nuclear engineering	5606		
	Energy engineering	5607		

Category: Biological Sciences

Area	Discipline	Research Field	Item Number	Remark	
Biology	Basic biology	Genetics/Genome dynamics	5701		
		Ecology/Environment	5702		
		Plant molecular biology/ Plant physiology	5703		
		Morphology/Structure	5704		
		Animal physiology/ Animal behavior	5705		
		Biodiversity/Systematics	5706		
		Structural biochemistry	5801		
	Biological science	Functional biochemistry	5802		
		Biophysics	5803		
		Molecular biology	5804		
		Cell biology	5805		
		Developmental biology	5806		
		Evolutionary biology	5807		
	Anthropology	Physical anthropology	5901		
		Applied anthropology	5902		
	Agricultural sciences	Agriculture	Breeding science	6001	
			Crop science/Weed science	6002	
			Horticulture/Landscape architecture	6003	
			Plant pathology	6004	
			Applied entomology	6005	
		Agricultural chemistry	Plant nutrition/Soil science	6101	
			Applied microbiology	6102	
			Applied biochemistry	6103	
Bioproduction chemistry/ Bioorganic chemistry			6104		
Food science			6105		
Forestry		Forest science	6201		
		Wood science	6202		
Fisheries science		General fisheries	6301		
		Fisheries chemistry	6302		
Agro-economics		Agronomy	6401		
Agro-engineering		Irrigation, drainage and rural engineering/Rural planning	6501		
		Agricultural environmental engineering	6502		
		Agricultural information engineering	6503		
Zootechnical science/ Veterinary medical science		Zootechnical science/ Grassland science	6601		
		Applied animal science	6602		
		Basic veterinary science/ Basic zootechnical science	6603		
		Applied veterinary science	6604		
Boundary agriculture		Clinical veterinary science	6605		
		Boundary agriculture	6701		
		Applied molecular and cellular biology	6702		
Medicine, dentistry, and pharmacy		Pharmacy	Chemical pharmacy	6801	
			Physical pharmacy	6802	
			Biological pharmacy	6803	※
			Drug development chemistry	6804	
			Environmental pharmacy	6805	
			Medical pharmacy	6806	
		Basic medicine	General anatomy (including histology/embryology)	6901	※
			General physiology	6902	
	Environmental physiology (including physical medicine and nutritional physiology)		6903		
	General pharmacology		6904		
	General medical chemistry		6905		
	Pathological medical chemistry		6906		
	Human genetics		6907		
	Human pathology		6908	※	
	Experimental pathology		6909	※	
	Parasitology (including sanitary zoology)		6910		
	Bacteriology (including mycology)		6911		
	Virology		6912		
	Immunology		6913		
	Medicine, dentistry, and pharmacy		Boundary medicine	Medical sociology	7001
Applied pharmacology		7002			
Laboratory medicine		7003			
Pain science		7004			
Society medicine		Hygiene	7101		
		Public health/Health science	7102		
		Legal medicine	7103		
Clinical internal medicine		General internal medicine (including psychosomatic medicine)	7201		
		Gastroenterology	7202	※	
		Circulatory organs internal medicine	7203	※	
		Respiratory organ internal medicine	7204	※	
		Kidney internal medicine	7205	※	
		Neurology	7206	※	
		Metabolomics	7207	※	
		Endocrinology	7208		
		Hematology	7209	※	
		Collagenous pathology/ Allergology	7210	※	
		Infectious disease medicine	7211		
		Pediatrics	7212	※	
		Embryonic/Neonatal medicine	7213		
		Dermatology	7214	※	
		Psychiatric science	7215	※	
		Radiation science	7216	※	
Clinical surgery		General surgery	7301	※	
		Digestive surgery	7302	※	
		Thoracic surgery	7303	※	
		Cerebral neurosurgery	7304	※	
		Orthopaedic surgery	7305	※	
		Anesthesiology/Resuscitation studies	7306	※	
		Urology	7307	※	
		Obstetrics and gynecology	7308	※	
		Otorhinolaryngology	7309	※	
		Ophthalmology	7310	※	
Dentistry	Pediatric surgery	7311			
	Plastic surgery	7312			
	Emergency medicine	7313			
	Morphological basic dentistry	7401			
	Functional basic dentistry	7402			
	Pathobiological dentistry/ Dental radiology	7403			
	Conservative dentistry	7404			
	Prosthetic dentistry	7405			
	Dental engineering/ Regenerative dentistry	7406			
	Surgical dentistry	7407	※		
Nursing	Orthodontic/Pediatric dentistry	7408			
	Periodontal dentistry	7409			
	Social dentistry	7410			
	Fundamental nursing	7501			
	Clinical nursing	7502			
	Lifelong developmental nursing	7503			
	Community health/ Gerontological nursing	7504	※		