

**Classification of General Sessions (Oral/Poster Presentations) with Code No.**

Division	Sub-Division	Item	Code No.
Pharmaceutical Chemistry (A)	Organic Chemistry (01)	<b>[Group A]</b>	
		Total synthesis	0101
		Other synthetic studies	0102
		Chemical reaction development	0103
		Reaction mechanism/computational chemistry	0104
		Structure and physical property	0105
		Molecular recognition	0106
		Others	0107
		<b>[Group B]</b>	
		Alkaloids	0111
		Terpenes, Steroids	0112
		Amino acids, peptides	0113
		Carbohydrates	0114
		Nucleic acids	0115
		Organometallic compounds and metal complexes	0116
		Heteroatom compounds (incl. organic phosphorus and sulfur compounds)	0117
		Aromatic compounds	0118
		Aliphatic compounds	0119
		Pharmacognosy and Natural Products Chemistry (02)	Cultivation, breeding
	Tissue culture and cell culture		0202
	Genes, biosynthesis		0203
	Tissue morphology and classification		0204
	Market research		0205
	Resource research		0206
	Quality evaluation/qualitative and quantitative analysis		0207
	Pharmacology, clinical aspects		0208
	Fatty acids and related compounds		0209
	Carbohydrates		0210
	Glycosides		0211
	Aromatic natural products		0212
	Steroids		0213
	Terpenoids		0214
Alkaloids and nitrogen-containing natural products	0215		
Chemical biology	0216		
Screening	0217		
Others	0218		
Medicinal Chemistry (03)	Chemical biology	0301	
	Drug design	0302	
	Screening	0303	
	Synthetic compounds in drug discovery	0304	
	Natural medicines and biological products	0305	
	Middle-molecule drugs	0306	
	Modalities, biomolecules, biologics	0307	
	Targeting	0308	
	Pharmacologically active compounds (incl. metabolites)	0309	
	Structure-activity relationship	0310	
	Radioisotopes, radiopharmaceuticals	0311	
	Others	0312	
	Pharmaceutical Physics (B)	Physical Chemistry and Biophysics (04)	<b>Physical chemistry</b>
Functional polymers			0401
Molecular assembly			0402
Adsorption, interfacial phenomena, colloids, dispersion systems			0403
Intermolecular interaction			0404
Physical properties of pharmaceuticals (solids, solutions)			0405
Reactivity and stability of pharmaceuticals			0406
Photochemistry, plasma chemistry, laser chemistry, particle-beam chemistry			0407
Structural chemistry, spectroscopy			0408
Complexes			0409
Electrochemistry			0410
Others			0411

Division	Sub-Division	Item	Code No.
		<b>Biophysics</b>	
		Structure, physical property, and reactivity of biological materials	0421
		Biopolymers	0422
		Biological membrane and artificial model membrane	0423
		Biological higher-order function and its material basis	0424
		Physical measurement (incl. bioimaging)	0425
		Membrane transport	0426
		Structural biology	0427
		Others	0428
		<b>Informatics, in silico chemistry (computational chemistry)</b>	
		Molecular modeling, QSAR	0431
		Quantum chemical calculation, molecular mechanics, molecular dynamics	0432
	Database, data mining	0433	
	Bioinformatics	0434	
	Computer sciences	0435	
	Others	0436	
	<b>Pharmaceutical physical chemistry</b>		
	Pharmaceutical physical chemistry	0441	
	Others	0451	
	Analytical Chemistry (05)	Spectroscopic analysis	0501
		HPLC - packing materials, column	0502
HPLC - derivatization, detection method		0503	
HPLC - others		0504	
LC-MS		0505	
GC-MS, CE-MS, MS		0506	
Other chromatography		0507	
Electrophoresis		0508	
Instrumental analysis		0509	
Biological analysis		0510	
Others		0511	
Radiochemistry (06)		Radioactivity measurement	0601
	Synthesis of labelled compounds and their metabolism	0602	
	Radiopharmaceuticals	0603	
	RIA	0604	
	Biologically related trace elements	0605	
	Radiation chemistry, radiation biology	0606	
	Protection and control of radiation	0607	
	Environmental radioactivity	0608	
	Others	0609	
Pharmaceutical Biology (C)	Biochemistry (07)	<b>Biomolecules</b>	
		Carbohydrates	0701
		Lipids	0702
		Proteins, amino acids	0703
		Nucleic acids	0704
		Bioactive substances	0705
		Enzymes	0706
		Oxidation-reduction (incl. active oxygen and nitrogen monoxide)	0707
		Others	0708
	<b>Genes and genetic information</b>		
	Isolation and structure of genes	0711	
	DNA replication and repair	0712	
	Transcription of genes	0713	
	Translation of genes	0714	
	Post-translational modification	0715	
	Others	0716	

Division	Sub-Division	Item	Code No.
		<b>Structures and functions of cells</b>	
		Biomembranes, organelles, and cellular transport	0721
		Electron transport chain and energy transduction	0722
		Intracellular signaling	0723
		Cellular responses	0724
		Degradation of proteins	0725
		Autophagy	0726
		Apoptosis	0727
		Cellular stress	0728
		Cell division and cell cycle regulation	0729
		Cell adhesion	0730
		Cytoskeletons	0731
		Others	0732
		<b>Anatomy and physiology</b>	
		Brain and nervous system	0741
		Immune system and biological defense	0742
		Senescence/Aging	0743
		Developmental biology and morphogenesis	0744
		Others	0745
	Pharmacology (08)	Evaluation of drug efficacy and safety	0801
		Pharmacodynamics/toxicodynamics	0802
		Pharmacogenomics	0803
		Receptors, channels, and transporters	0804
		Intracellular signaling	0805
		Endogenous bioactive substances	0806
		Drug metabolism	0807
		Functions of central nervous system	0808
		Degeneration of central nervous system	0809
		Diseases and therapies of central nervous system	0810
		Peripheral nervous system	0811
		Endocrine and metabolic systems	0812
		Inflammation and immune system	0813
		Circulatory system	0814
		Respiratory system	0815
		Digestive system	0816
		Skeletal muscles and smooth muscles	0817
		Kidney, urinary organs and reproductive organs	0818
		Bones and joints	0819
		Blood and hematopoietic system	0820
		Skins and sensory organs	0821
		Chemotherapeutic agents	0822
		Kampo medicines	0823
		Others	0824
	Microbiology (09)	Classification, evolution and structure of microorganisms	0901
		Physiology, genetics and mutation of microorganisms	0902
		Pathogenesis and infection	0903
		Antibacterial, antiviral and antifungal agents	0904
		Drug resistance	0905
		Vaccines and bioactive agents	0906
		Immune system and biological defense	0907
		Virus	0908
		Others	0909

Division	Sub-Division	Item	Code No.
Pharmaceutical Health Sciences and Environmental Toxicology (D)	Hygienic Chemistry and Public Health (10)	Food constituents	1001
		Nutrients	1002
		Functional foods	1003
		Food additives	1004
		Food contaminants and agrochemicals	1005
		Harmful inorganic compounds	1006
		Harmful organic compounds	1007
		Metabolism of chemical substances	1008
		Cancer and chemical substances	1009
		UV rays and phototoxicity	1010
		Analytical methods and measurement results	1011
		Forensic chemistry	1012
		Methods of analysis in health sciences	1013
		Infectious diseases and food poisoning	1014
		Lifestyle-related diseases	1015
		Others	1016
	Environmental Sciences (11)	Endocrine-disrupting substances	1101
		Harmful chemical substances and heavy metals	1102
		Water environment	1103
		Air pollution and indoor environment	1104
		Waste treatment and its regulations	1105
		Microorganisms	1106
		Environmental conservation	1107
		Others	1108
	Social Pharmacy (Other Social Issues) (12)	Regulatory sciences (foods and living environment)	1201
		Prevention of drug abuse (other than medicines)	1202
		Others	1203
Pharmaceutical Health Care and Sciences (E)	Pharmaceutics (13)	Gastrointestinal absorption	1301
		Transdermal absorption	1302
		Transmucosal absorption	1303
		Transpoters (ABC)	1304
		Transporters (SLC)	1305
		Transporters (others)	1306
		Distribution and excretion	1307
		Metabolism	1308
		ADME, PK/PD	1309
		Drug interaction	1310
		Others	1311
	Science for Drug Formulation (14)	Controlled release	1401
		Targeting	1402
		Drug delivery system in oncotherapy	1403
		Genetic drug delivery system	1404
		Formulation and manufacturing of drugs (Solid dosage form)	1405
		Formulation and manufacturing of drugs (Semi-solid dosage form)	1406
		Formulation and manufacturing of drugs (Liquid dosage form)	1407
		Testing, property and stability of medicinal formulation	1408
		Novel formulations	1409
		Others	1410

Division	Sub-Division	Item	Code No.	
	Clinical Pharmacy (15)	Development of novel medicines and formulations	1501	
		Formulation testing	1502	
		Dispensing, prescription audit and ordering	1503	
		In-house formulation	1504	
		Management of intravenous and enteral nutrition	1505	
		Drug management	1506	
		Drug information	1507	
		Therapeutic drug monitoring (TDM) and administration plans	1508	
		Clinical pharmacy services at hospital (inpatient counselling)	1509	
		Clinical pharmacy services at hospital (outpatient counselling)	1510	
		Community pharmacy, home medical care, and community health care	1511	
		Appropriate use of medicines (including drug-drug interactions)	1512	
		Pharmacotherapies (Basics)	1513	
		Pharmacotherapies (Clinical)	1514	
		Pharmacotherapies (Cancer)	1515	
		Pharmacotherapies (Personalized therapies)	1516	
		Clinical trials	1517	
		Risk management	1518	
		Generic medicines	1519	
		Others	1520	
		Social Pharmacy (16)	Social pharmacy	1601
			Regulatory sciences (pharmaceuticals, etc.)	1602
			Prevention of drug abuse (medicinal products)	1603
			Pharmacoepidemiology	1604
			Health economics (Medical economics)	1605
			Others	1606
		Clinical pharmaceutical sciences (17)	<b>Pathophysiology</b>	
			Clinical biochemistry	1701
			Pathological models	1702
			Genes and gene therapy of diseases	1703
	Cancer		1704	
	Pharmacological activity		1705	
		Others	1706	
Others (F)	Pharmacy education (18)	Introductory education at undergraduate level	1801	
		Specialized education at undergraduate level	1802	
		Pharmacy practice experience/Internship training	1803	
		Graduate education	1804	
		Continuing professional development of pharmacist	1805	
		Others	1806	
	History of Pharmacy (19)	History of pharmacy	1901	
	Others (20)	Others	2001	