

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

Division	Sub-Division	Item	Code No.
(A) Pharmaceutical Chemistry	(01) Organic Chemistry	[Group A] Synthesis (incl. Total synthesis)	0101
		[Group A] Chemical reaction development, mechanistic analysis, computational chemistry	0102
		[Group A] Structure, property, molecular recognition	0103
		[Group A] Others	0104
	(02) Pharmacognosy and Natural Products Chemistry	[Group A] Cultivation, breeding, tissue culture and cell culture, tissue morphology, and classification	0201
		[Group A] Resource research, isolation and structure elucidation	0202
		[Group A] Quantitative and qualitative analysis, quality evaluation	0203
		[Group A] Genes, biosynthesis	0204
		[Group A] Pharmacology, clinical aspects	0205
		[Group A] Others	0206
	(03) Medicinal Chemistry, bioactive materials	[Group A] Chemical biology	0301
		[Group A] Drug design	0302
		[Group A] Screening	0303
		[Group A] Drug discovery, structure-activity relationship	0304
		[Group A] Modalities, biomolecules, biologics	0305
		[Group A] Others	0306
	Selection of Group B is also required	[Group B] Alkaloids and nitrogen-containing compounds	9001
		[Group B] Terpenes, steroids	9002
		[Group B] Amino acids, peptides	9003
		[Group B] Carbohydrates, glycosides, aglycons, glycoconjugates	9004
		[Group B] Nucleic acids	9005
		[Group B] Fatty acids, conjugated lipids, and related compounds	9006
		[Group B] Aliphatic compounds	9007
		[Group B] Aromatic compounds	9008
		[Group B] Organometallic compounds and metal complexes	9009
		[Group B] Heteroatom compounds (incl. organic phosphorus and sulfur compounds)	9010
		[Group B] Others, not applicable	9011
(B) Pharmaceutical Physics	(04) Physical Chemistry and Biophysics	Physical chemistry (Functional polymers, Adsorption, Intermolecular interaction, Physical properties of pharmaceuticals, Photochemistry, Others)	0401
		Biophysics (Structure, physical property, reactivity of biological materials, Physical measurement, Bioimaging, Structural biology, Others)	0402
		Informatics, Computational chemistry (Molecular modeling, Calculation method, Database, Others)	0403
		Pharmaceutical physical chemistry	0404
	(05) Analytical Chemistry	Spectroscopic analysis	0501
		HPLC analysis (Packing materials, Column, Derivatization, Others)	0502
		Mass spectrometry analysis (LC-MS, GC-MS, Others)	0503
		Other analytical methods (Biological analysis, Instrumental analysis, Chromatography, Others)	0504

Division	Sub-Division	Item	Code No.
(C) Pharmaceutical Biology	(06) Radiochemistry	Radioactive compounds (Radiopharmaceuticals, Synthesis of labelled compounds and their metabolism, Others)	0601
		Radiation chemistry, Radiation biology, Radiation control	0602
	(07) Biochemistry	Biomolecules (Carbohydrates, Lipids, Proteins, Nucleic acids, Enzymes, Bioactive substances, Oxidation-reduction, Others)	0701
		Genes and genetic information (DNA replication, Transcription, Translation, Others)	0702
		Structures and functions of cells (Biomembranes, Organelles, Cellular transport, Electron transport chain, Signal transduction, Autophagy, Apoptosis, Cell division/Adhesion/Cytoskeletons, Others)	0703
		Anatomy and physiology (Brain and nervous system, Immune system and biological defense, Senescence/Aging, Developmental biology and morphogenesis, Others)	0704
	(08) Pharmacology	Evaluation of drug efficacy and safety (Pharmacodynamics/toxicodynamics, Pharmacogenomics), Chemotherapeutic agents, Kampo medicines, Others	0801
		Intracellular signaling (Receptors, channels, and transporters, Endogenous bioactive substances, Drug metabolism)	0802
		Nervous systems (Central nervous system, Peripheral nervous system, Diseases and therapies)	0803
		Organ systems, Blood and hematopoietic system, Skeletal muscles and smooth muscles, Bones and joints, Skins and sensory organs, Endocrine and metabolic systems	0804
		Inflammation and immune system	0805
	(09) Microbiology	Bacteriology, Mycology, Parasitology (Infections, Therapies, Immune systems, Others)	0901
		Virology (Infections, Therapies, Immune systems, Others)	0902
(D) Pharmaceutical Health Sciences and Environmental Toxicology	(10) Hygienic Chemistry and Public Health	Food constituents and nutrition	1001
		Functional foods	1002
		Food additives	1003
		Harmful inorganic compounds	1004
		Harmful organic compounds and agrochemicals	1005
		Metabolism and metabolic activation of chemical substances (cancer)	1006
		UV rays and phototoxicity	1007
		Analytical methods and measurement results	1008
		Forensic chemistry	1009
		Methods of analysis in health sciences	1010
		Infectious diseases and food poisoning	1011
		Lifestyle-related diseases	1012
		Others	1013
	(11) Environmental Sciences	Endocrine-disrupting substances	1101
		Harmful chemical substances and heavy metals	1102
		Water environment	1103

Division	Sub-Division	Item	Code No.
		Air pollution and indoor environment	1104
		Waste treatment and its regulations	1105
		Microorganisms	1106
		Environmental conservation	1107
		Others	1108
	(12) Social Pharmacy (Other Social Issues)	Regulatory sciences (foods and living environment)	1201
		Prevention of drug abuse (other than medicines)	1202
		Others	1203
(E) Pharmaceutical Health Care and Sciences	(13) Pharmaceutics	Absorption (Gastrointestinal • Transdermal • Transmucosal)	1301
		Transporters (ABC • SLC • others)	1302
		Distribution and excretion • Metabolism	1303
		ADME, PK/PD, Drug interaction	1304
		Others	1305
	(14) Science for Drug Formulation	Controlled release • Targeting	1401
		Drug delivery system in therapy	1402
		Genetic drug delivery system	1403
		Formulation and manufacturing of drugs (Solid • Semi-solid • Liquid dosage form)	1404
		Testing, property and stability of medicinal formulation, Novel formulations	1405
		Others	1406
	(15) Clinical Pharmacy	Development of novel medicines and formulations	1501
		Dispensing, prescription audit and ordering, Drug management, Risk management	1502
		Formulation testing • In-house formulation • Management of intravenous and enteral nutrition	1503
		Drug information, Clinical trials	1504
		Therapeutic drug monitoring (TDM) and administration plans	1505
		Clinical pharmacy services at hospital (inpatient • outpatient counselling)	1506
		Community pharmacy, home medical care, and community health care	1507
		Appropriate use of medicines (including drug-drug interactions)	1508
		Pharmacotherapies (Basics)	1509
		Pharmacotherapies (Clinical)	1510
		Pharmacotherapies (Cancer)	1511
		Pharmacotherapies (Personalized therapies)	1512
		Others	1513
	(16) Social Pharmacy	Social pharmacy	1601
		Regulatory sciences (pharmaceuticals, etc.)	1602
		Prevention of drug abuse (medicinal products)	1603
		Pharmacoepidemiology, Health economics (Medical economics)	1604
		Others	1605

Division	Sub-Division	Item	Code No.
	(17) Clinical pharmaceutical sciences	Pathophysiology (Pathological models)	1701
		Pathophysiology (Genes and gene therapy of diseases)	1702
		Pathophysiology (Cancer)	1703
		Pathophysiology (Pharmacological activity)	1704
		Pathophysiology (Others)	1705
(F) Others	(18) Pharmacy education	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
	(19) History of Pharmacy	History of pharmacy	1901
	(20) Others	Others	2001