

2019 Keywords List – *Limit Choice to Four*

1	Acousto-optic Tunable Filter	49	Fuels, Energy and Petrochemical	94	Microwave	141	Stripping Analysis
2	Adsorption	50	Gas Chromatography	95	Modified Silica	142	Supercritical Fluid
3	Aerosols/Particulates			96	Molecular Spectroscopy (Fluorescence/Luminescence, UV/Vis)		Extraction/Supercritical Fluid Chromatography
4	Amino Acids	51	Gas Chromatography/Mass Spectrometry	97	Multichannel Spectrometry (CCD, CID, array)	143	Surface Analysis/Imaging
5	Art/Archaeology	52	GC and GC/MS Sample Introduction			144	Surface Enhanced Raman Spectroscopy
6	Atomic Force Microscopy (AFM)	53	GC Columns	98	Nanotechnology	145	Surfactants
7	Atomic Spectroscopy/Elemental Analysis	54	Gene Therapy	99	Natural Products	146	Thermal Analysis
		55	General Interest	100	Neural Network	147	Thin Layer Chromatography
8	Automation	56	Genetic Engineering	101	Neurochemistry		148
9	Bioanalytical	57	Genomics	102	New Method	149	Total Organic Carbon
10	Biofuels	58	Genomics, Proteomics and Other 'Omics'	103	Nuclear	150	Trace Analysis
11	Bioinformatics			104	Nucleic Acids	151	Ultra Fast Spectroscopy
12	Biological Samples	59	Geochemistry	105	Paint/Coatings	152	Validation
13	Biomedical	60	GLP/GMP	106	Paper/Pulp	153	Vibrational Spectroscopy (Raman, Infrared)
14	Biopharmaceutical	61	High-Energy Spectroscopy	107	Particle Beam		154
15	Biospectroscopy	62	High-Throughput Chemical Analysis	108	Particle Size and Distribution	155	Wet Chemical Methods
16	Biotechnology	63	History of Chemistry	109	Pattern Recognition	156	X-ray Techniques
17	Calibration	64	Homeland Security/Forensics	110	Pharmaceutical		
18	Cannabis	65	HPLC Columns	111	Photoacoustic		
19	Capillary Electrophoresis	66	Hyphenated Techniques - Other	112	Physical Measurements		
20	Capillary LC	67	Immobilization	113	Polymers and Plastics		
21	Carbohydrates	68	Immunoassay	114	Portable Instruments		
22	Chemical	69	Industrial Hygiene	115	Potentiometry		
23	Chemical Methods	70	Instrumentation	116	Prep Chromatography/Isolation/Purification		
24	Chemometrics	71	Integrated Sensor Systems		117	Process Analytical Chemistry	
25	Chiral Separations	72	Ion Chromatography	118	Process Analytical Techniques		
26	Chromatography - Other	73	Ionization Techniques		119	Process Control and Monitoring	
27	Clinical Chemistry	74	Laboratory Informatics	120	Proteins and Peptides		
28	Clinical/Toxicology	75	Laboratory Management		121	Proteomics	
29	Combinatorial Chemistry	76	Laser	122	Quality/QA/QC		
30	Computers, Modeling, and Simulation	77	Laser Desorption (MALDI)	123	Quantitative		
31	Consumer Products	78	Light Scattering	124	Radiochemical Methods		
32	Contamination	79	LIMS and Data Management	125	Reference Material		
33	Cosmetic	80	Lipids	126	Regulatory		
34	Data Analysis and Manipulation	81	Liquid Chromatography	127	Renewable Energy		
35	Environmental - Air	82	Liquid Chromatography/Mass Spectrometry	128	Rheology		
36	Environmental - Biological	83	Liquid Crystal	129	Robotics		
37	Environmental - Water	84	Magnetic Resonance	130	Rubber		
38	Environmental - Soils, Hazardous Waste	85	Mass Analyzers	131	Safety		
39	Enzyme Assays	86	Mass Spectrometry	132	Sampling and Sample Preparation		
40	Extractions	87	Material Characterization		133	Semiconductor	
41	Fiber Optics	88	Material Science	134	Sensors		
42	Flavors/Fragrance/Essential Oils	89	Membrane	135	Separation Sciences		
43	Flow Injection Analysis	90	Metabolomics and Metabonomics	136	Single Molecule		
44	Fluorescence and Luminescence	91	Method Development	137	Specialty Gas Analysis		
45	Food Identification	92	Microfluidics/Lab-on-a-Chip	138	Spectroelectrochemistry		
46	Food Safety	93	Microscopy	139	Standards		
47	Food Science			140	Statistics and Data Mining		
48	Forensics						