

SUBJECT INDEX

4 <i>H</i> -chromenes.....	348	DFT.....	139, 170, 175, 185
acid-activated carbon.....	193	diabetes mellitus.....	277
adsorption.....	85	digestate (bioslurry).....	40
adsorption isotherms.....	189, 193	dimedone.....	348
adsorption kinetics.....	189	disperse orange 30 dye.....	189, 193
Aleppo pine cones.....	302	doping.....	282
aluminum.....	282	drug.....	139
anaerobic digester.....	40	drug likeness.....	175
antibacterial.....	331	drying kinetics.....	154, 235
antidepressant.....	139	drying techniques.....	154
antimicrobial.....	198	dye removal.....	189, 193
antimicrobial activity.....	282	eco-friendly nanomaterials.....	282
antineoplastic drugs.....	185	economic.....	123
aromatic aldehyde.....	348	elasticity.....	20
Aronia berry.....	235	electrodeposition.....	102
aspirin.....	206	electrolysis.....	114
<i>Bacillus megaterium</i>	7	electrospinning.....	229, 245
bee-like structures.....	249	emulsion stability.....	94
BES (bio-electrochemical system).....	40	enrichment.....	40
bioactive component.....	148	environmental criteria.....	123
biobutanol.....	181	enzyme kinetics.....	7
biochemical analysis.....	68	epirubicin.....	185
bioelectrochemical systems.....	295	extraction.....	148
bio-fertilizer.....	40	fatty acid.....	166
biotechnology.....	245	field.....	20
bitumen microstructure.....	249	filtration.....	229
bitumen modification.....	249	fluorescence spectroscopy analysis.....	68
blanching.....	213, 252	food package.....	224
blending ratio.....	160	freeze-drying.....	213, 252
blood hemolysis.....	331	Freundlich.....	85
boron fertilizer.....	144	FTIR.....	282
boron hyaluronate.....	170	gas chromatography.....	166
boron nitride.....	224	gas foaming.....	245
bromide minerals solubility.....	26	GHG.....	114
<i>Camelina sativa L.</i>	68	gray water.....	229
<i>Capsicum annuum L.</i>	20	green fuel.....	331
carrot pectin.....	218	green synthesis.....	282
Celeriac.....	154	green tea extract.....	224
cellulose.....	14	greenhouse.....	20
CFD.....	267	ground heat-exchanger (GHE).....	78
chemical treatment.....	302	ground source heat pump (GSHP).....	78
citrus waste.....	148	H ₂ SO ₄ -activated rubber particles obtained from scrap waste tyre.....	189
color.....	94	heavy metal.....	144
compound fertilizer.....	144	hexacyanoferrate (III).....	206
computational approach.....	267	high-performance liquid chromatography (HPLC).....	202
computational fluid dynamics (CFD).....	319	hyaluronic acid.....	170
conversion efficiency.....	259	hydrogen.....	114
<i>Convolvulus prostratus</i>	282	hydrogen fuel cell vehicle.....	114
Coulombic efficiency.....	295	hydrogen peroxide.....	32
coumarin extraction.....	202	hydrogen production.....	123
crystal growth.....	37	hydroxyl radicals.....	185
current.....	259	Indian Pennywort.....	198
cyclodextrin glucanotransferase.....	7	infrared drying.....	59, 235
cyclodextrins.....	7	intercropping.....	68
cymene.....	175	kinetic parameters.....	193
deformation work.....	20	Knoevenagel condensation.....	348
dehydrogenation.....	309	lipoxygenase (LOX).....	277
Density Functional Theory (DFT).....	309		

loquats nuclei.....	85	pumpkin pectin films.....	224
MAF-6.....	181	purification of enzyme.....	277
magnetic field.....	319	PVDF.....	181
malononitrile.....	348	PXRD.....	282
Marigold.....	198	quality.....	59
material design.....	267	quantitative analysis.....	148
material science.....	245	reaction mechanism.....	206
mathematical modeling.....	154, 213	recycled polyester.....	160
meat products.....	94	recycling.....	160
membrane.....	181	renewable energy sources (RES).....	78
mesocrystals.....	37	rice straw.....	14
methotrexate.....	185	rupture force.....	20
methyl orange.....	302	ruthenium (III).....	206
methylene blue.....	85	Safflower.....	198
MgO-NPs.....	331	saltwater.....	252
microalgae.....	295	SEM.....	282
microbial fuel cells.....	295	semiconductors.....	102
microbial sulfate reduction.....	295	sensing devices.....	32
microkinetics.....	309	shrimp.....	252
microwave drying.....	59	skin benefits.....	108
microwave irradiation.....	14	smart packaging.....	218
mixed system LiBr-CaBr ₂ -H ₂ O.....	26	soap analysis.....	166
modeling.....	267, 309	soaps.....	108
molybdenum.....	32	social criteria.....	123
MoSe ₂ thin films.....	102	solar cells.....	102
MTT assay.....	331	solubility.....	170
multi-objective optimization.....	123	solution combustion.....	331
multiple impurities.....	229	solvent selection.....	202
nanofiber.....	245	sour cherry.....	59
nanoparticles.....	37, 319	Soxhlet extraction.....	202
natural solid soap.....	166	squid.....	213
Nigeria.....	267	steam methane reforming.....	123
nonclassical crystallization.....	37	stenotic artery.....	319
OH radical.....	139	storage capacity.....	259
olefins.....	309	strength of asphalt concrete.....	249
osmotic dehydration.....	213, 252	substituent effect.....	175
oxidation kinetics.....	206	supply chain.....	114
oxidative stress.....	277	supply chain design.....	123
oxygen generation.....	295	sustainable concrete.....	282
paper products.....	14	sustainable textiles.....	160
paraffin wax.....	78	tartaric acid.....	102
paraffins.....	309	tea plant.....	144
Paroxetine HCl.....	139	textile waste.....	160
Paxil.....	139	textural traits.....	94
pervaporation.....	181	thermal energy storage (TES).....	78
pharmacokinetics.....	175	thermal properties.....	160
phase equilibrium.....	26	thermodynamic parameters.....	193
phases change material (PCM).....	78	thermodynamic study.....	85
photogalvanic effect.....	259	toxic effect.....	144
plant oil.....	166	transcriptional analysis.....	68
polylactic acid.....	229	ultrasonic pretreatment.....	235
polymer.....	267	viscosity.....	319
polymer chemistry.....	245	wastewater treatment.....	185
polysaccharide-based.....	218	water pollution.....	302
postbiotics.....	108	wound dressing.....	198
potential.....	259	yield force.....	20
product inhibition.....	7	zinc ferrite nanoparticles.....	348
protein.....	94	zinc oxide NPs.....	282
pseudo-second-order.....	85	zirconium.....	282