

SUBJECT INDEX

- | | | | |
|--|-------------------------|---|---------|
| 1-(Benzothiazolylamino)methyl-2-naphthol..... | 369 | berry leaf extracts..... | 27 |
| 1,2,4-triazole | 736 | BHA | 753 |
| 1,4-naphthoquinones..... | 141 | Bingham model | 497 |
| 1-Methylbutyl peroxide | 359 | bioaccumulation | 50 |
| 2, 3-dichloro-5, 6-dicyano-p-benzo-quinone (DDQ) | 403 | biogenic hematite | 758 |
| 2,3-Dihydroquinazolinone | 395 | bismuth..... | 285 |
| 2-amino-4 <i>H</i> -chromene derivatives | 187 | bistriazole | 250 |
| 3-substituted coumarin..... | 694 | boron carbide..... | 114 |
| accuracy | 456 | bovine serum albumin | 261 |
| acid medium | 671 | bridge graph | 543 |
| activated carbon..... | 261, 613 | BTPPC | 373 |
| additive | 698 | Bulgaria | 92 |
| adsorption | 105, 134, 216, 535, 613 | Bulgarian bottled potable waters | 684 |
| adsorption isotherm | 628 | C ₂ H ₆ combustion..... | 430 |
| adsorption mechanism | 558 | cadmium..... | 492 |
| aflatoxin B1 | 689 | Calf-thymus DNA | 565 |
| aggregation | 731 | camel milk | 323 |
| alcaligenes A-6 | 219 | camphane | 43 |
| aldehydes | 187 | cannabimimetics..... | 461 |
| Alizarin Red S | 159 | capacity | 285 |
| alkyne | 250 | carbon monoxide | 105 |
| alumina | 290 | catalase | 720 |
| aluminum | 628 | catalyst | 78, 244 |
| aluminum(III) ion | 159 | catalytic activity | 451 |
| AM1 | 571 | cathodic electropolymerization | 126 |
| amides..... | 43, 141 | CdSe nanomaterials..... | 311 |
| amino acids | 141 | C-Geranyl flavonoids | 303 |
| aminobenzylnaphthols | 705 | chalcogenide glasses | 624 |
| aminotoluene | 571 | characterization | 71, 746 |
| ammonium ionic liquids | | charge/discharge cycling | 758 |
| ([Et ₂ NH ₂][HSO ₄], [Et ₃ NH][HSO ₄]) | 364 | charge-transfer complex | 403 |
| anaerobic digestion process | 440 | chemical composition..... | 66 |
| analgesic activity | 641 | chemical reaction | 659 |
| analysis | 13 | chemometric expertise..... | 684 |
| anion | 514 | chloramine-T | 671 |
| anodic electropolymerization..... | 126 | chronic alcohol intake | 183 |
| anthrone | 109 | chronopotentiometry | 698 |
| antibacterial | 414 | circadian rhythm disruption | 183 |
| antibacterial activity..... | 311, 565, 736 | circular dichroism (CD) | 323 |
| antibacterial effect | 120 | cluster analysis | 684 |
| anti-breast cancer activity | 272 | CO oxidation | 430 |
| anti-influenza | 303 | coal tar pitch..... | 613 |
| antimicrobial | 209 | cobalt | 78 |
| antimicrobial activity | 27, 678 | cobalt chloride | 290 |
| antimony | 285 | cobalt ferrite | 565 |
| antioxidant | 306, 636, 753 | cold percolation method | 279 |
| antioxidant activity | 311, 787 | colour | 480 |
| antioxidant properties | 33 | computational chemical..... | 543 |
| antioxidative activity | 798 | constructed rapid infiltration system | 550 |
| arsenic hazards..... | 203 | contaminated drinking water | 203 |
| arsenic in Pakistan | 203 | contamination sources | 50 |
| atropine sulfate monohydrate..... | 671 | content determination | 109 |
| auxins..... | 256 | convective heat transfer..... | 506 |
| azacyclopentenylidene | 600 | copolymers | 114 |
| azide..... | 250 | copper foam..... | 61 |
| azo detection | 71 | Coriolis force..... | 770 |
| benzenoid series..... | 543 | cotton-like mesoporous (CLM) silica..... | 389 |
| benzimidazole | 725 | counting polynomial..... | 332 |

covalent character	593
Cr(VI)	379
crystal	492
CT-DNA	422
Cu (II) complex	422
cultivar	50
current collector	61
cyclometalated complexes	532
cytotoxicity	43
D-aminoacylase	219
danger of extinction	256
database mining	55
deltamethrin	720
dendrimer stars	543
density functional theory	359
determination	159
DFT	5, 194, 514
dichlorvos	720
diethylzinc	705
dihydropyrimidin-2(1 <i>H</i>)-ones	606
dihydroquinazoline derivatives	272
dispersive liquid-liquid microextraction	525
DNA	589
DNA binding	725
doping	297
DRFT	194
drying models	480
dyestuff degradation	763
dynamics	535
eccentric connectivity index	165
eccentricity	165
ecofriendly	379
edge eccentric connectivity index	165
efflorescent and sulfate minerals	92
electrochemical instabilities	126
electrocoagulation	628
electrode mass carrier	61
electrode materials	758
electrodeposition	698
electrolysis	84
enantioselectivity	705
encapsulation method	389
endophytic fungi	306
endophytic fungi	787
EPR	269
ERIC-PCR	338
<i>Escherichia coli</i>	736
essential oil	120, 636, 641, 678
estradiol valerate	456
exact solution	506
expression	219
extended structure	492
extraction technology	153
FAAS	525
fatty acids	66
FeCl ₃ /SiO ₂ nanoparticles	619
Fe-Mn compounds	558
fermentation process	713
FeTiO ₃	187
FIMS	646
fingerprinting	338
flavone derivatives	414
flavonoids	476
fluorescence	492, 725
free DPPH radical scavenging activity	476
free radicals	384
FT-IR	403
FT-IR spectroscopy	71
FuKui function	194
fumaric acid	369
furan-2(5 <i>H</i>)-ones	364
furfural	613
gamma – irradiation	269
gas 134	219
gene synthesis	543
generalized atom-bond connectivity index	713
gibberellins	256
glucose	109
graphite	114
green chemistry	364
green protocol	369
ground and surface water	92
Hall current	497, 659, 770
Hantzsch reaction	373
harvesting year	50
heat absorption	659, 770
heat transfer	497
heavy metals	535, 646
hematite	297
HER	78
heterocycles	395
HF571	141
hindered phenols	403
homeopathic pills	269
human plasma	147
humidity sensors	297
hybrid supercapacitors	758
hydrogen energy	290
hydrogen evolution	78, 84
hydrogen storage	469
hydrothermal reaction	492
hydroxyl radical	359
hypothyroidism	384
ICP/MS	646
ilmenite	187
imidazopyridine	725
immune-quartz crystal microbalance	689
immunosensor	689
impedance spectroscopy	225
infectious diseases	414
influencing factors	558
influenza A	303
inhibition	720
intercalative interaction	422
intermolecular hydrogen-atom transfer	359
inulin	194
Ir(C ^N) ₃	532
iridium	532

isotherm models.....	261
JWH-018.....	461
JWH-073.....	461
<i>Kaempferia parviflora</i>	317
kinetic	698
kinetics.....	244, 261, 311, 558
k-polyomino system.....	332
lactoferrin.....	323
lambda-cyhalothrin.....	720
Langmuir	628
LC-MS/MS	147
lead acid battery.....	285
leaves	379
likelihood	256
<i>Limonium thouinii</i>	476
linearity	456
linseed essential oil	698
lipid peroxidation.....	753
liver.....	384
low rank coal	746
lower critical solution temperature (LCST)	731
Lumbardhi river	646
lycopene	153
<i>M. tuberculosis H37Rv</i>	43
magnetic dilution	593
malathion	720
malondialdehyde.....	183
malononitrile.....	187
MAM-2201	461
manganese	525
manganite-cobaltite.....	430
Mannich type reaction	694
mathematical models	480
mechanism	244, 550
<i>Meconopsis</i>	306
<i>Menthamozaffariani</i>	641
mercury	613
Meric (Maritsa) river basin	21
methanol extracts	120
methoxyflavone	317
methyl orange	628
methylene blue.....	422
Mg-based	469
microelements.....	50
microstructure	469
microwave treatment	261
mild conditions	606
minerals	66
minimum inhibitory concentration (MIC)	414
mixed nitrogen donor ligands	422
modification.....	261, 535
modified anaerobic hybrid baffled (MAHB) reactor	440
molecular structure	5
monitoring	92
mono-azo dyes.....	71
MP2 method	600
MP3	571
MRSA	338
multicomponent	619
multi-component reaction	364, 369, 395
multiplex-PCR.....	338
multi-population genetic algorithms	713
nano-BBr ₃ .SiO ₂	606
nanocatalyst	395
nanocomposite	38, 238
nanocones	105
nanoemulsion particles (NEP).....	323
nanofiltration	232
nanoparticles	290, 565
nano-perovskite	430
nano-structure	209, 225
natural convection	659
nickel-zinc batteries.....	61
Nigeria	746
nociceptin	33
nociceptin analogues	33
non-catalytic reverse-flow reactor	793
non-Darcyflow	497
non-destructive	71
non-ferrous metal smelter.....	92
non-Newtonian fluid	497
N-phenylacetamide	514
nutrients	21
<i>Oenothera macrocarpa</i>	636
oil sorbent	446
oil-in-water emulsion	323
omega polynomial	332
one-pot	606
oregano	678
organic matter	550
oxalic acid	694
oxazines	705
oxidation-kinetics	671
oxidative stress	183
oxygen tension	521
oxyhemoglobin photo-dissociation	521
palindrome	589
parameter identification.....	713
peanut shell	535
PEM	78
perfluoroctyl bromide (PFOB)	323
pesticide	720
pharmacological activity	194
phase composition	451
phenolic compounds	27
phosphorescent	532
photocatalytic activity	238
photochemistry	763
physicochemical	746
physicochemical features	21
physico-chemical parameters	646
physico-chemical properties	624
physiological function	153
PI polynomial	332
piperitone	641
Piteguo fruit	798
pitting corrosion	763
plumbaginaceae	476
p-nitro aniline (PNA)	403
pollution assessment	646

poly(acrylic acid)	731
polyamide-6	114
polyamides	725
polyaniline composites	379
polyomino chains	332
polypyrrrole	126
polysaccharides	306, 798
polystyrene-anchored coordination compounds	593
positive active mass	285
preconcentration	525
principal components analysis	684
privileged scaffolds	55
pyrazolone	619
quantitative structure - activity relationships	736
quantum chemical calculations	5
radical scavenging activity	27
ramped temperature and thermal radiation	770
reaction mechanisms	600
real sample	13
recycled paper mill effluent (RPME)	440
reduced graphene oxide	38
removal performance	550
response surface methodology	798
Rhodamine B	389
rooting	256
rutin	232
Sadhana polynomial	332
SAW resonator	134
Schiff base	209
secondary metabolites	787
separation method	279
sequence specificity	725
severe plastic deformation	469
simultaneous distillation-extraction	279
single crystal	589
sodium borohydride	290
sol-gel	38, 238
solid-liquid extraction	232
solvent free	250, 373, 619
solvent-free conditions	369, 395
sonochemistry	763
sonophotocatalytic process	763
sorption capacity	446
spectrophotometry	159
spectrum	109
stable steady-state	126
streptozotocin-induced diabetic rats	317
strong field	593
structural and magnetic phase transition	430
structure	624
STS-135	461
suction/injection	506
sulfonamide	5
sulfuric acid	109
sunflower oil	753
supported catalysts	451
supported photocatalyst	389
surface modification by attrition treatment	469
surface properties	225
sustainable plant	256
synthesis	272, 532
target affinity	55
target selectivity	55
tellurium(IV)	13
tetraethyl orthosilicate (TEOS)	38
tetrahydrobenzo[<i>b</i>]pyran	244
thermal	209
thermal oxidation	793
thermal stability	38
thermodynamic parameters	698
thermodynamics	311
thermogravimetric	746
thermosensitive polymers	731
thiazolidin-4-one	593
thin films	225
thin oil film	446
thorny graph	165
Thracian depression	92
Three-component coupling	373
three-component reaction	187
thyme	678
tin	285, 698
TiO ₂ /SiO ₂ /Ni	238
tissue oxygenation	521
TLC-densitometry	456
tobacco leaves	232
total phenol	636
transmission electron microscopy	209
triazole	250
TST	571
Tungsten	78
ultra-low concentration methane	793
ultrasonic-assisted extraction	798
ultrasound irradiation	395
upper critical solution temperature (UCST)	731
UR-144	461
urogenital tract	120
UV radiation	384
UV-spectrophotometry	13
UV-Visible	403
validation	456
vanadium (V)	558
virus-protector	303
volatile oil	279
voriconazole	147
walnut	50, 66
water	379
water samp	525
water wells	21
X-ray diffraction	5
Zagreb index	165
zinc electrode	61
zinc oxide	105
<i>Ziziphora tenuior</i>	120
<i>Ziziphus jujuba</i>	279
ZnO nanowires	134
ZrOCl ₂ -MCM-41	395
α-benzylamino coumarin	694
α-glucosidase inhibitory activity	317