

Keyword Index

A

absorption model 310
 acclimatization 740
 aconitine 119
 aconitum 119
 acrosome reaction 552
Actinopolyspora 635
 activated carbon 588
 active peptide 797
 acute coronary syndrome 8
 adsorption kinetics 605
 adsorption mechanism 804
 Ag^+ 414
Ageratina adenophora 294
 AKT 558
 Al_2O_3 nanofluid 69
 ALK-5 423
Allium mongolicum Regel 340
 aloe gel 278
 alpha-mangostin 552
 alternative functional equation 231
Amaranthus tricolor L. 263
 American option pricing 823
Amphioctopus aegina 393
 anatomical traits 188
 anchovy 459
 Andaman Sea 459
 androgen receptors 718
 angiogenesis 359,797
 anionic dye 804
 anthocyanin 263
 anthocyanin biosynthesis gene 62
 antibacterial 340,635,847
 antibacterial efficacy 196
 antihypertension 687
 antimicrobials 687
 anti-obesity 1
 antioxidant 687,797
 antioxidant enzymes 51
 antiproliferation 128

Apis mellifera 115

apoptosis 128,532,558,642,657,705,827

aquaculture 82

aquatic plants 310

archaeometallurgical slag 788

aristolactam 429,673

Arthrosphaera platensis 509

artificial substrate 82

ash free 82

astrocytes 406

atherosclerosis 89,171

attached algae 94

automation 614

autophagy 697

available-Mg 223

B

Bacillus 43

Bacillus thuringiensis 165

Ban Kruat archaeological site 788

Beet armyworm 165

berberine 406

Bessel sequence 101

Betula albosinensis 188

bioactive peptides 687

biochar 326,673

biofertilizer 326

biological macromolecules 37,558,711

biomass burning 302,359,538,711

biosorption 605,734

biosurfactant 43

blood pressure regulation 181

blue light 263

Bombyx mori 171,630

botanical insecticide 119

brown planthopper 379,524

bud organogenesis 568

Butea superba Roxb. 718

butyl acetate 753

C

caladium 740

<i>Candida albicans</i>	215	Csiszár divergence	813
<i>Cannabis sativa</i> subsp. <i>Indica</i>	348,359	curcumin	847
cantharidin	488	cutting fluid	69
cantharis	488	cyanidin-3-glucoside	62
carbon nitride	23,202	cyclooxygenase	32
carotenoid	509	cytoplasmic polyhedrosis virus	630
cationic dye	804	cytosolic malate dehydrogenase	115
cavitation	753	cytotoxicity	429,596
Cd^{2+}	414	D	
cell activation	406	deciduous forest	209
cell cycle arrest	128	delay differential equation	107
cell inflammation	642	derivatives	373
cell invasion	538,558,711,746	desferrioxamine E	635
cell migration	539,406,538,711	deubiquitinase 3	359
cell proliferation	705,734	developmental stages	62
<i>Centella asiatica</i>	15	dexmedetomidine	657,734
cervical cancer	726	diarrhea predominant irritable bowel syndrome	151
chaperonin	496	diet formulation	664
chilling resistance	144	differential expression	270
chilling stress	144,596	differential-difference equations	759
<i>Chlamydomonas</i>	496	diosgenin	827
chlorophyll a	82	dolomitization	317
cholangiocarcinoma	379,518	doxorubicin	128
chronic pain	15	drought stress	51
chrysophanol	558	E	
cluster bud	568	<i>E. coli</i>	496
c-MYC	128	ecological adaptation	188
coastal pollution	452	edible bird's nest	136
cobalt (Co)	310	<i>Elenchus yasumatsui</i>	524
colorectal cancer	32,359	embryonic development	393
commercial diet	664	endoparasite	524
community structure	94	endophytes	839
complete Freund's adjuvant	15	endothelial cells	89
compost	23,326	enhancer of zeste homolog 2	359
computer vision	287	enrichment coefficient	310
conjugacy class length	237	entire function	681,759
contamination	459	environmental protection	119
copper(I) bromide	746	environmental stresses	496
<i>Cordyceps catenobliqua</i>	247,434	epithelial-mesenchymal transition	387
corneal wound healing	57	equilibrium isotherm	605
coronary artery disease	8	error analysis	479
Cpn60	496	erythromycin	215
Cr(VI) removal	605	Euler operator	681
crystal structure	354,746		

exponential polynomial	467	Hardy inequality	474
external morphology	393	heat transfer	69
F		heavy metal remediation	326
fatty acid transport protein	650	<i>Hedyotis diffusa</i> Willd	532
feed utilization	664	HeLa cells	673,726
fermented lemon juice	181	Hermite-Hadamard inequality	813
fibrinogen	8	high sensitivity C-reactive protein	8,552
filtration rate	452	high-density lipoprotein	89
flavonoid 30-hydroxylase	62	high-energy anode	577
floodplain	94	high-throughput sequencing	373,467,631,839
forest structural profile	209	Hilsa	367
FOXP1	423	HMG-CoA reductase	32
functional equation	681	HMGN3	518
G		Hölder inequality	813
gamma-aminobutyric acid (GABA)	254	honey bee	115
gamma-irradiation	278	hot spring	443
gastric cancer	657,827	human hepatocellular carcinoma cells	414
gefetinib	545	human sperm	552
gene expression	833	hydrogen bonding	746
generalized stability	231	hyper-order	759
genetic map	491	hyperspectral data	287
geochemistry	443	hyperstability	231,434
geothermal attraction	443	hypocotyl elongation	263
geothermal reservoir	443	I	
germination	144	IGF2	705
gestational diabetes mellitus	734	immuno-modulation	855
GIS	75	immunomodulatory	340
glioma	711	<i>in situ</i> FTIR	354
glutathione-CdSe/ZnS quantum dots	414	<i>in vitro</i> culture	51
glycerol	509	<i>in vitro</i> plant regeneration	740
goniodiol	429	InDel marker	491
<i>Goniothalamus repevensis</i>	429	insect development	524
graphene aerogel	577	insulin resistance	734
green agriculture	119	integral interpolation	479
Green function	813	integrin $\beta 4$	379
green-lipped mussel	452	iron-smelting activity	788
group order	237	isorhapontigenin	545
Gulf of Thailand	459	J	
gut microbiota	151	JAK/STAT3	726
<i>Gynura bicolor</i> DC.	833	Jatupalathika	1
H		Jensen equation	231
H9c2 cells	642	Jensen inequality	813
halophilic actinomycete	635	juvenile hormone	630

kappaB/hypoxia-inducible factor signaling pathway	359	microwave-irradiated egg	664
K		mid-knot	479
Karakorum ranges	317,750	miR-10a-5p	538
Keratocytes	57,209,302	miR-21a-5p	57
KLF7	642	MiR-647	705
L		mixed Lie triple derivation	335
lactic acid bacteria (LAB)	254	molecular docking	596
<i>Lactobacillus brevis</i>	254	molting	614
laminins' cognate receptors	379	morphological analysis	247,434
Lampang	209	morphological change	524
larvical activity	165	multidimensional J-process	823
lipid profile level	650	muscle atrophy	718,833
lipids	263	muscle strength	718
lipogenesis	1	mutualism	855
lipolysis	1	MYT1L	711
lipopeptide	43	N	
lipopolysaccharide	406	N/P/K in plant and soil	294
lithiophilicity	577	NAA	568
local dependence	240	Na-doped graphite-carbon nitride	202
localization function	552,642,823	nanoparticles	196
long-noncoding RNA	270	nasopharyngeal carcinoma	387
LPS	697	natural rubber composite sheet	847
lubrication	69	neonatal weight	650
luminescence dating	788	Nevanlinna theory	434,467
M		NF-κB	642
magnesium forms	223,434	Ni ²⁺ adsorption	588
maize	144,673	Ni-rich Li-ion batteries	577
malic acid	588	N-methylcantharidimide	488
Malliavin derivatives	823	nonhomogeneous dual wavelet frame	101
malondialdehyde (MDA)	51,552	nonlinear differential-difference equation	467
MAPK	558	non-small cell lung cancer	545,705
marine bivalves	452	normal approximation	240
melanoma	558	Northern Thailand	75,209,302
meromorphic	107,373,467,631	Notch signaling	434,711
metabolite profiling	263	nutrient availability	23,577,847
metastasis	387	nutrient management	326
methylamine	488	nystatin	215
microbial diversity	839	O	
microbiota	855	octacosanol	32
micro-nano bubbles	302,753	oil removal	43
microplastics	459	<i>Omphalia lapidescens</i>	726
microwave-assisted method	847	opioid activity	687
		oral carcinoma	538

oral squamous cell carcinoma	270	quantitative real-time PCR	630,833
organ distribution	839	quartic integro-spline	479,657
organic fertilizer	294		
osteoblast differentiation	423	R	
osteoclast precursors	37,697	radiation	89
osteoclastogenesis	697	radiation damage	399
OVA-sensitized BALB/c mice	181	RAD-seq	491
oxidative stress	832,552,642	reference genes	833
		remote sensing	287
P		renal tubular epithelial cells	532
p38 MAPK pathway	734	rhizosphere soil	294
paddy husk	23	rice	326
papain	797	RNA-seq	171
parvalbumin	718	RNF146	657
pathogenicity	247,434	rRNA-ITS sequence	247,434
periodicity	759		
periphyton	82	S	
petiole	568	saddle dolomite	317
PHB	509	safe pesticides	119
phenotypic differentiation	188	salicylic acid	144
phenylbutenoid	596	saline groundwater	82
phosphorus	509	sandbird octopus	393
photocatalysis	202	SAXS	399
phytotoxicity	23	seasonal dynamic	673
PI3K/AKT pathway	518,532	secondary forest	209
PIK3CA	538	sequential extraction procedure	223
plant-based Thai fermented foods	254	sesquiterpene	596
PM10	302	sialic acid	136
PM2.5	75,302	silk fibroin	278
polymicrobial biofilm	215	silkworm	247,434
polysaccharide	340	silver nanoparticles	196,577,847
<i>Portunus pelagicus</i>	614	silver(I) bromide	746
posterior silk gland	171	small angle X-ray scattering	37
pPeOp	726	Sobolev space	101
precision fertilization	287	sodium ion	202
prime *-ring	335	soft-shell crab	614
prognostic biomarker	270	soil microbial biomass carbon/nitrogen	673
projective special linear group	237	soil nutrient	287
proline	51	soil texture	223
protein structure	399	sorghum	491,434
proteomics	215	Southern Thailand	136
proximate composition	136	soybean processing wastewater	797
<i>Pseudomonas aeruginosa</i>	215	sphere	474
		<i>Spodoptera exigua</i>	165
Q		<i>Staphylococcus aureus</i>	37,159
q-difference differential equation	107	<i>Staphylococcus pseudintermedius</i>	348,759

<i>Staphylococcus sciuri</i>	605	V	
steamed egg	664	value distribution	107
Stein's method	240	vancomycin	37
strawberry fruit	62	Vip3Aa	165
Strepsiptera	524	virobiota	855
strongly convex function	813	visible light	202
styryl lactone	429	W	
sudangrass	491	water hyacinth	804
super convergence	479	wavelet frame	101
surface reflectance	75	Wnt/β-catenin	387,657
surface washing	43	wound dressing	278
suspended solids	452	Y	
sweet cherry varieties	839	young leaf culture	740
symbiotic	855	Z	
synchrotron	399	zero-order	107
synthesis	354	<i>Zingiber cassumunar</i>	596
T			
TCM	151	γ-aminobutyric acid	181
temperature clines	115	10-hydroxy-2-decenoic acid	128
temporal pattern	94	3-mercaptopropionic acid-CdSe/ZnS	
temporomandibular joint osteoarthritis	15	quantum dots	414
termite gut	23	3T3-L1 adipocytes	1
terrestrial radiation	443	4-phenylthiosemicarbazide	746
tetrachlorantraniliprole	354		
TGF-β	423,518		
TGF-β1	57		
the SP1/EGFR pathway	545		
toll-like receptor 4	650		
topical solution formulations	348		
TRAF3	697		
TRAIL	827		
trans-acting gene	270		
transcriptome	171		
transcriptomic databases	379		
transfer coefficient	310		
triphenylphosphane	746		
tumor biomarkers	379		
tumor invasion	518		
U			
UNC119	387		
unicity	373		
uniform bound	240		
univariate forecasting techniques	367		