



Keywords Index

A

AA6061-T651; 34 (4), 415-421
abalone; 34 (4), 375-380
accelerometer; 34 (6), 637-644
acid red 119; 34 (1), 23-30
activated sludge; 34 (6), 669-677
admissible functions; 34 (6), 701-705
adsorption isotherm; 34 (6), 669-677
adsorption; 34 (1), 117-123; 34 (3), 309-316; 34 (4), 423-432
Albizzia lebbek; 34 (3), 317-322
alloying elements; 34 (4), 409-413
Ambrosia beetles; 34 (2), 153-155
ammonia; 34 (4), 423-432
analytic function; 34 (6), 701-705
Andrographis paniculata; 34 (5), 533-539
andrographolide; 34 (5), 533-539
anti-proliferative effect; 34 (1), 45-51
apefly; 34 (1), 1-7
apoptotic pathway; 34 (1), 45-51
approximate work index; 34 (1), 103-107
approximation procedure; 34 (5), 541-549
Aptamer; 34 (2), 125-131
aqueous two phase system; 34 (1), 69-76
aquifer; 34 (4), 433-444; 34 (6), 679-687
as-casted microstructure; 34 (4), 409-413
asymmetric PCR; 34 (2), 125-131
Avicennia alba; 34 (3), 337-344
Avicennia marina; 34 (3), 337-344
azeotrope; 34 (5), 569-575
azeotropic prediction; 34 (5), 569-575
Azo dye; 34 (1), 23-30
AzoR1; 34 (5), 509-516
azoreductase; 34 (5), 509-516

B

Bacillus subtilis; 34 (5), 509-516; 34 (6), 669-677
Bacillus thuringiensis; 34 (1), 23-30
bacteriocins; 34 (3), 255-262
Bactrocera latifrons; 34 (5), 475-478
BALDUR; 34 (1), 77-91
biochar; 34 (4), 423-432
biocontrol; 34 (4), 387-393
bioethanol; 34 (5), 525-531
biofilters; 34 (1), 53-59
biogenic amine; 34 (3), 255-262
biometric; 34 (2), 189-194
Black flies; 34 (6), 597-599

blister blight; 34 (6), 601-606
bootstrap current; 34 (1), 77-91
breeding; 34 (1), 31-36
broodstock; 34 (4), 381-386

C

calibration techniques; 34 (4), 467-474
Callosobruchus maculatus; 34 (3), 287-291
cambial activity; 34 (3), 337-344
Camellia sinensis var. *assamica*; 34 (6), 601-606
Camellia sinensis var. *sinensis*; 34 (6), 601-606
capillary electrophoresis; 34 (3), 303-307
Caputo fractional derivative; 34 (6), 701-705
carbon nanotubes; 34 (6), 695-699
carboxymethyl cellulase; 34 (2), 157-163
Carthamus tinctorius L.; 34 (1), 45-51
caspase; 34 (1), 45-51
castor oil; 34 (3), 317-322
castorbean; 34 (3), 279-286
catalytic particles; 34 (6), 695-699
cellulolytic fungi; 34 (6), 607-613
charcoal meal; 34 (3), 317-322
chemical composition; 34 (2), 223-230
chickpea; 34 (3), 287-291
chilli; 34 (4), 387-393
chitinase-producing actinomycetes; 34 (4), 387-393
cholesterol-lowering diet; 34 (2), 173-178
Cicer arietinum; 34 (3), 287-291
Clarias nieuhofii; 34 (1), 37-43
climate; 34 (3), 337-344
Cluster analysis; 34 (5), 577-586
CO₂ adsorption; 34 (4), 403-407
Coelomyxidium simulii; 34 (6), 597-599
combining ability effects; 34 (2), 133-141
complementary calibration procedures; 34 (4), 467-474
complex fractional differential equation; 34 (6), 701-705
complexation; 34 (3), 303-307
composting technology; 34 (1), 109-115
computational fluid dynamics; 34 (1), 61-67
condition factor; 34 (1), 37-43
contact angle; 34 (3), 323-327
correlation coefficient; 34 (3), 273-277
correlation; 34 (3), 279-286
cost reducing; 34 (1), 9-15
CPW; 34 (6), 645-651
CRISIS 2007; 34 (4), 453-466
critical phase; 34 (6), 637-644

Croton stellatopilosus; 34 (6), 623-628

crystallization; 34 (6), 653-662

Curcuma alismatifolia Patumma cv. Chiang Mai Pink;
34 (4), 361-366

curing of polymers; 34 (6), 653-662

CYP3A4; 34 (5), 533-539

D

damping shim; 34 (2), 179-187

decolorization; 34 (2), 203-210; 34 (5), 509-516

deep tubewell; 34 (3), 345-352

degradation; 34 (5), 587-596

delivery; 34 (3), 293-301

development stage; 34 (1), 17-22

diarrhea; 34 (3), 317-322

different feeds; 34 (4), 381-386

diffuser; 34 (1), 61-67

digestibility; 34 (5), 479-485

digestive enzymes; 34 (3), 247-254

Diplomonad flagellates; 34 (5), 487-494

disc brake noise; 34 (2), 179-187

disease resistance; 34 (1), 31-36

dissimilar joint; 34 (4), 415-421

distribution static synchronous compensator (DSTATCOM);
34 (2), 195-201

diterpenes; 34 (6), 623-628

DMTL; 34 (6), 645-651

DNA fingerprinting; 34 (6), 607-613

drip loss; 34 (5), 517-523

dry rubber content; 34 (5), 551-555

ducted water turbine; 34 (1), 61-67

E

earthquake recurrence; 34 (4), 453-466

efflux time; 34 (5), 551-555

egg consumption; 34 (2), 173-178

eggshell; 34 (3), 309-316

energy consumption; 34 (5), 557-568

enhanced biodegradation; 34 (1), 23-30

Enteromorpha intestinalis; 34 (5), 501-507

enteropooling; 34 (3), 317-322

entomophagous butterfly; 34 (1), 1-7

enzyme activity; 34 (3), 247-254

enzyme; 34 (4), 353-360

ergonomics; 34 (5), 541-549

Exobasidium vexans; 34 (6), 601-606

extracellular amylase; 34 (5), 525-531

F

factor analysis; 34 (1), 93-102

fall detection; 34 (6), 637-644

fancy carp; 34 (5), 479-485

force; 34 (1), 9-15

forced degradation; 34 (6), 615-622

fractal curves; 34 (6), 689-693

fractional calculus; 34 (6), 701-705

freezing rate; 34 (5), 517-523

freezing; 34 (5), 517-523

frequency; 34 (1), 9-15

friction coefficient; 34 (2), 179-187

friction stir welding (FSW); 34 (4), 415-421

fruit; 34 (5), 517-523

functionalization; 34 (4), 395-402

fusion performance; 34 (1), 77-91

G

gametangial clusters; 34 (2), 211-216

gamma radiation; 34 (3), 279-286

gas sensor; 34 (6), 695-699

GC-FID; 34 (6), 623-628

gene effects; 34 (2), 133-141

generalized linear models; 34 (4), 467-474

genetic analysis; 34 (3), 279-286

genetic distance; 34 (2), 143-151

genetic diversity; 34 (6), 607-613

genetic parameters; 34 (2), 165-172

geophysical logging; 34 (4), 433-444

germplasm lines; 34 (2), 133-141

GIS; 34 (3), 329-336

goat; 34 (4), 353-360

gramineae; 34 (5), 577-586

gravity anomaly; 34 (2), 231-239

green catfish larvae; 34 (3), 247-254

groundwater pumping; 34 (6), 679-687

groundwater; 34 (4), 433-444

growth performance; 34 (1), 37-43

growth; 34 (5), 479-485

Gulf of Thailand; 34 (4), 445-452

Gut Weed; 34 (5), 501-507

H

half diallel analysis; 34 (2), 133-141

half diallel crosses; 34 (2), 133-141

Hardgrove grindability index; 34 (1), 103-107

harmonic distortion; 34 (2), 195-201

hazard exposure reduction; 34 (5), 541-549

head rice yield; 34 (5), 557-568

hepatosomatic index; 34 (1), 37-43

herb-drug interaction; 34 (5), 533-539

heterosis; 34 (2), 143-151

hog deer (*Axis porcinus*); 34 (3), 263-271

horst and graben; 34 (2), 231-239

hot spring; 34 (2), 231-239; 34 (4), 445-452

house of quality; 34 (6), 663-668

HPLC; 34 (6), 615-622

human colon carcinoma (SW620 cell line); 34 (1), 45-51

humic acid; 34 (6), 669-677

hydrophobic; 34 (3), 323-327

Hyers-Ulam stability; 34 (6), 701-705

hypercholesterolemic women; 34 (2), 173-178

I

identification; 34 (2), 157-163
 implementation program; 34 (1), 109-115
 induction furnace; 34 (2), 195-201
 integrated definition for function modeling; 34 (1), 93-102
 invasive alien species; 34 (1), 1-7
 iris; 34 (2), 189-194
 irrigation water quality; 34 (3), 345-352
 ITER; 34 (1), 77-91

J

Jatropha curcas; 34 (1), 9-15

K

Khao Nam Phueng; 34 (4), 367-374
 kinetic; 34 (6), 669-677
 Kleiber ratio; 34 (2), 165-172

L

laccase; 34 (1), 69-76
 lactic acid bacteria; 34 (3), 255-262
Lactobacillus paracasei SD1; 34 (3), 241-245
Lactococcus garvieae; 34 (5), 495-500
 land potential; 34 (3), 329-336
 latex; 34 (5), 551-555
 LDL oxidation; 34 (2), 173-178
 Leguminosae; 34 (5), 577-586
Lentinus polychrous; 34 (1), 69-76
Lepironia articulata; 34 (3), 329-336
 life cycle; 34 (1), 17-22
 life span; 34 (5), 475-478
 lignosulfonate; 34 (3), 309-316
 linear bandpass filter; 34 (6), 629-636
 live feed; 34 (3), 247-254
 Livestock feeding; 34 (5), 577-586
 logic tree; 34 (4), 453-466
 logistic; 34 (4), 467-474
 logit; 34 (4), 467-474
 longevity; 34 (5), 475-478
 lymphocyte proliferation; 34 (1), 45-51

M

Mae Moh lignite; 34 (1), 103-107
 management; 34 (4), 375-380
Mangifera indica; 34 (2), 153-155
 marine algae; 34 (2), 223-230
 mechanical harvesting; 34 (1), 9-15
 medium and long-grain rice; 34 (5), 557-568
 MEMS; 34 (6), 645-651
 Mermithidae; 34 (6), 597-599
 metamaterials; 34 (6), 689-693
 Methyl Red; 34 (5), 509-516
 Micro-Alloyed Low Carbon Steels; 34 (4), 409-413
 Microsporidia; 34 (6), 597-599
 midazolam; 34 (5), 533-539
 misclassification; 34 (4), 467-474

MMIC; 34 (6), 645-651
 model selection; 34 (2), 217-221
 modification; 34 (4), 395-402
 moringa; 34 (5), 479-485
 morphological relationship; 34 (1), 17-22
 morphology; 34 (6), 653-662
 moving window; 34 (2), 217-221
 multiplex PCR; 34 (5), 495-500
 municipal solid waste management; 34 (1), 109-115
 mutant; 34 (3), 279-286

N

natural rubber; 34 (5), 551-555
 neural network; 34 (6), 637-644
 nitrification; 34 (1), 53-59
 nitrogen; 34 (1), 53-59
 nutrient; 34 (2), 211-216
 nutrient; 34 (2), 223-230
 nutritive value; 34 (5), 577-586

O

off-target effects; 34 (3), 293-301
 oil palm frond; 34 (4), 353-360
 optimization; 34 (2), 125-131; 34 (5), 541-549
 ornamental fish; 34 (5), 487-494
 ovary; 34 (5), 475-478
 oviposition; 34 (5), 475-478

P

paclobutrazol; 34 (4), 361-366
 papaya mealybug; 34 (1), 1-7
 parasitism; 34 (6), 597-599
 parent diversity; 34 (2), 143-151
 partitioning; 34 (1), 69-76
 path coefficient analysis; 34 (3), 273-277
 PDMS; 34 (3), 323-327
 pest resistance; 34 (3), 287-291
 phase shifter; 34 (6), 645-651
 Phattalung; 34 (2), 231-239; 34 (4), 433-444
 photocatalytic; 34 (2), 203-210
 photoreactor; 34 (2), 203-210
 Phu Khieo Wildlife Sanctuary; 34 (3), 263-271
 physical model; 34 (6), 679-687
 physicochemical properties; 34 (2), 223-230
 physicochemical quality; 34 (5), 557-568
 physiological change; 34 (4), 367-374
 phytosterols; 34 (6), 623-628
 plating solution; 34 (3), 303-307
 Platypodinae; 34 (2), 153-155
 Plaunoi; 34 (6), 623-628
 plywood wardrobe; 34 (6), 663-668
 polymer blends; 34 (6), 653-662
 population characteristic; 34 (3), 263-271
 pore size; 34 (4), 403-407
 porous silica; 34 (4), 403-407
Portunus pelagicus; 34 (4), 381-386

potato sucrose agar; 34 (6), 601-606
 power augmentation; 34 (1), 61-67
 power quality; 34 (2), 195-201
 pre-harvest fruit drop; 34 (4), 367-374
 pressure; 34 (5), 569-575
 probability seismic hazard map; 34 (4), 453-466
 probiotic; 34 (3), 241-245; 34 (3), 255-262
 probit; 34 (4), 467-474
 process control; 34 (2), 217-221
 process parameter; 34 (1), 23-30
 product design; 34 (6), 663-668
 proline; 34 (4), 361-366
 protein requirement; 34 (1), 37-43
 pulse inversion; 34 (6), 629-636
 pummelo; 34 (4), 367-374
 2,6-pyridine dicarboxylic acid; 34 (3), 303-307

Q

quality function deployment; 34 (6), 663-668
 quasi-TEM; 34 (6), 645-651

R

RAPD; 34 (6), 607-613
 reactive dyes; 34 (1), 117-123
 reactive supercritical fluid extrusion; 34 (4), 395-402
 recognition; 34 (2), 189-194
 regression calibration; 34 (4), 467-474
 relationship between characters; 34 (3), 273-277
 Relative forage quality index; 34 (5), 577-586
 reproduction; 34 (2), 211-216; 34 (4), 381-386
 reproductive capacity; 34 (5), 475-478
 resistivity sounding; 34 (2), 231-239
 resource; 34 (4), 375-380
 response surface methodology (RSM); 34 (4), 423-432
 rheological properties; 34 (6), 653-662
Rhizophora mucronata; 34 (3), 337-344
 RNA inference; 34 (3), 293-301
 RNAi therapeutics; 34 (3), 293-301
 rRNA gene region D1/D2; 34 (2), 157-163
 rubber wood; 34 (4), 423-432

S

salinity; 34 (2), 211-216; 34 (3), 345-352; 34 (6), 679-687
 Samut Sakhon; 34 (3), 337-344
 sandstone; 34 (5), 587-596
 SAR; 34 (3), 345-352
 Satkhira; 34 (3), 345-352
Sclerotium rolfsii; 34 (4), 387-393
 Scolytinae; 34 (2), 153-155
 seafood products; 34 (3), 255-262
 seasonal variation; 34 (2), 223-230
 seawater intrusion; 34 (6), 679-687
 seaweed; 34 (2), 223-230
 seismic studies; 34 (4), 445-452
 SELEX; 34 (2), 125-131
 sensor; 34 (2), 189-194

serial self-turning reactor; 34 (1), 109-115
 serum lipids; 34 (2), 173-178
 shale; 34 (1), 117-123
 SHEN model; 34 (1), 93-102
Shiraia bambusicola; 34 (1), 17-22
 short time min-max feature; 34 (6), 637-644
 silage; 34 (4), 353-360
 silanol content; 34 (4), 403-407
 simple sequence repeat markers; 34 (2), 143-151
Simulium; 34 (6), 597-599
 single-stranded DNA; 34 (2), 125-131
 siRNA; 34 (3), 293-301
 skim milk; 34 (3), 241-245
 slake durability; 34 (5), 587-596
 slender walking catfish; 34 (1), 37-43
 sodium silicate; 34 (4), 403-407
 soft sensor; 34 (2), 217-221
 soil moisture sensor; 34 (6), 689-693
Solanum habrochaites; 34 (1), 31-36
 Songkhla; 34 (4), 433-444
 Southern Thailand; 34 (4), 453-466
Spironucleus vortens; 34 (5), 487-494
 split-ring resonators; 34 (6), 689-693
 spray drying; 34 (3), 241-245
 Sri Sawat Fault; 34 (4), 445-452
 SSM356-T6; 34 (4), 415-421
 starter culture; 34 (3), 255-262
 statistical analysis; 34 (3), 323-327
 stem rot; 34 (4), 387-393
 stored product protection; 34 (3), 287-291
 Streptococcosis; 34 (5), 495-500
Streptococcus agalactiae; 34 (5), 495-500
Streptococcus iniae; 34 (5), 495-500
Streptomyces hygroscopicus; 34 (4), 387-393
 stress study; 34 (6), 615-622
 subgroup; 34 (5), 569-575
 subharmonic; 34 (6), 629-636
 sustainability; 34 (4), 375-380
 SVM; 34 (5), 569-575
 switches; 34 (6), 645-651

T

tenofovir disoproxil fumarate; 34 (6), 615-622
 TEOS; 34 (3), 323-327
 textile wastewater; 34 (1), 117-123
 texture; 34 (5), 517-523
 Thai goat; 34 (2), 165-172
 Thai small and medium enterprises; 34 (1), 93-102
 Thailand; 34 (3), 263-271; 34 (3), 337-344; 34 (4), 375-380;
 34 (6), 597-599
 Thale Noi; 34 (3), 329-336
 thermal chemical vapor deposition; 34 (6), 695-699
 thermophilic amylase; 34 (5), 525-531
Thermus sp.; 34 (5), 525-531
Thong Dee; 34 (4), 367-374
 three pagodas fault; 34 (4), 445-452

tilapia; 34 (1), 53-59
Tilapia; 34 (5), 495-500
time difference; 34 (2), 217-221
tissue specificity; 34 (1), 17-22
titanium dioxide; 34 (2), 203-210
total mixed ration; 34 (4), 353-360
transformation; 34 (4), 395-402
transition metal ions; 34 (3), 303-307
transport; 34 (1), 77-91
treatment; 34 (5), 487-494
TYLCTHV-[2]; 34 (1), 31-36
TYLCV; 34 (1), 31-36

U

ultrasound contrast agent; 34 (6), 629-636
Ulva intestinalis; 34 (5), 501-507
Ulvaceae; 34 (5), 501-507
Ulvaes; 34 (5), 501-507
uniqueness; 34 (2), 189-194
unit disk; 34 (6), 701-705
uv light irradiation; 34 (2), 203-210
validation; 34 (6), 615-622
variability; 34 (3), 279-286

vegetable soybean; 34 (3), 273-277
viability; 34 (3), 263-271
viscosity; 34 (5), 551-555
voice of customer; 34 (6), 663-668

W

wastewater; 34 (1), 53-59
water absorption; 34 (5), 587-596
water current turbine; 34 (1), 61-67
water stress; 34 (4), 361-366
weaning weight; 34 (2), 165-172
weathering; 34 (5), 587-596
whey proteins; 34 (4), 395-402
wild tomato introgression; 34 (1), 31-36
workforce scheduling; 34 (5), 541-549

X

xylanase; 34 (2), 157-163

Y

yeast diversity; 34 (2), 157-163
yield component; 34 (2), 143-151
yield strength; 34 (4), 409-413