

Keyword Index

A

algae,	
<i>Spirulina platensis</i>	137
<i>Tetraselmis suecica</i>	118
blue-green	220
algebra,	
rings	111
algorithms,	
memetic	295
Alzheimer's disease	156
antioxidants	326
aquaculture,	
African catfish (<i>Clarias gariepinus</i>)	227
microalga and rotifer	118

B

bacteria,	
<i>Bacillus licheniformis</i>	17
cyanobacteria	215
lactic acid	234
transformation	234
bioactivity	255, 358
bioremediation	37, 332
acidic effluent	220

C

calorimetry,	
differential scanning	261
cement	358
ceramics,	
lead-free piezoelectric	261
chromatography,	
anion exchange	17
climate change	1
crops,	
citrus	388
energy	170
land evaluation	170
oil palm	353
oil palm (<i>Elaeis quineensis</i>)	142
rice	161, 320

D

decolourization	37
differential equations,	
delay	284
diseases,	
tuberculosis	392
drugs,	
rabeprazole	365

E

electrical properties,	
dielectric constant	261
enzyme,	
active site	150
carp D-amino acid oxidase	150
cellulase	31
mannanase	17
nitrogenase	215
pectinase	31
esters,	
diterpenoid lactone extraction	306
extraction,	
solid-liquid	306

F

ferns	346, 386
fish,	
African catfish (<i>Clarias gariepinus</i>)	227
Siamese fighting	8
fluids,	
Boltzmann equation solver	70
convection in solar chimney	189
surface aerator	183
functional equation	381
fungi,	
deteriorating jute fibres	211
ligninolytic	37
mycorrhiza	340, 388
oyster mushrooms	326
fungicides,	
triazoles, pyrimidine-2-one	211

G

gas chromatography	42
graph theory,	
number of vertices	203

H

heat transfer	70
high-pressure liquid chromatography	306

I

image processing,	
motion estimation	196
retinal disorder diagnosis	80
inequalities	381
matrices	106
insects,	
<i>Platydema waterhousei</i>	242

gall wasp (<i>Leptocybe invasa</i>)	113	S	
K		scheduling problems	89
kinetic theory	70	set theory	396
M		signal processing	95
materials,		Gröbner bases	95
cementitious paste	57	silicon,	
ceramic superconductors	64	substitution in calcium phosphate	255
fly ash	57	skin,	
fly ash concrete	178	lightening lotion	24
mechanical properties,		skin scaffold	247
elongation	247	soil,	
tensile strength	247	collapsing	372
medicinal plants,		somaclonal variation	142
<i>Andrographis paniculata</i>	306	spectrophotometry	365
tamarind	24	spectroscopy,	
minerals,		IR Fourier transform	255
hydroxyapatite	255	stability analysis	381
modelling	1	statistical methods,	
molluscs,		broken-line regression analysis	227
paper nautilus	315	cluster analysis	346
N		factor analysis	372
natural products,		imputation	310
dyes	31	multivariate regression	276
skin lotion	24	regression model	372
neural networks	276	time-series forecasting	392
nitrogen,		superconductors	64
fixation	215	T	
pest control	242	thermal properties,	
numerical methods,		specific heat capacity	178
spectral method	70	thermal expansion	57
O		thermotolerance	17, 37
optimization	295	trees,	
particle swarm	89	eucalyptus	113
oxygen,		V	
ozone	276	virus,	
P		bacteriophage phylogeny	125
pest control	242	geminivirus	131
phosphorus,		herpes simplex	137
fish nutrition	227	W	
pollution,		weather,	
air	42, 276	flood and rainfall estimation	268
water	183, 220, 332	flood estimation	49
polysaccharide,		R	
chitosan	247	random variables	290
proteins,			
collagen	247		