

## Keyword Index

### **A**

- absolute normalized norm 205,340,341,421  
 adsorbent 232,329,346,348,258  
 agricultural soil 1,4,67,312  
 alternating group 125  
 altitude 181,241,292,300,320  
 analytical solution 432  
 anthocyanin 38,39,45,168,169, 203,269  
     272,276,303,304,311,312,314  
 antioxidant activity 89,90,162,163, 204  
     206,208,209,211,391  
 antioxidants 99,162,168  
 aquatic environment 67,388,396  
*Artocarpus altilis* 170  
*Artocarpus heterophyllus* 170

### **B**

- baker's yeast 371,373,378  
 banach spaces 179,124,258,340,341  
 belousov-zhabotinskii reaction 107,108  
 benthic 74,75,83,262,344  
 bi-ideals 84,197,288,289,291  
 bio-indicator 67,68,258,308  
 bmo space 168,413,414,443  
 BQ-semigroup 288

### **C**

- calcium phosphate bioceramics 397  
 carbon-sulphur analyser 109  
 cerebrovascular accident 247  
 cerium catalyst 102  
 chelation 162,167  
 chironomid larvae 67,73  
 chlortetracycline staining 383  
 co<sub>2</sub> profile probe 1  
 cobalt acetate 212,216,217,456  
 co-br catalyst 212  
 combinatorial central limit 154,277,279,287  
 combined chaotic 355,364  
 commutator 413,414,421  
 compressive sensing 34,39, 170,174,311  
 compressive strength 397  
 cpcb-cpca igs 74,78,80,260  
 CUPRAC 179  
*cyclic AMP* 383,384

### **D**

- Decosahexaenoic acid* 92  
 delayed reaction-diffusion equation 36,179  
     422,423,453  
 descent 33,179,277,314  
 diet-induced hypertensive 187

### differential-difference

- 218,219,221  
 dinoflagellates 241,242,245  
 diversity indices 319,322  
 doi suthep 85,165,267,292,294,302  
 dop t 109,111,112  
 DPPH 162,163,165,241  
 drought situation 135

### **E**

- edge covering 129  
 eicosapentaenoic acid 92,96,380  
 element order 125  
 endpoint estimates 213,316,413,414,418,453  
 enzyme immobilization 227,228,230,377,380  
 ethanol production 371,372,374  
*Eumeninae* 319  
 evapotranspiration rate 135  
 expression pattern 234,238

### **F**

- finite-time control technique 209,210,355  
 356,363,404  
 fixed point theorem 118,423  
 forest soil 1  
 fractional partial differential equation 432  
 FRAP 114,179,180,182, 263,264  
 free radicals 108,162,167,168

### **G**

- gait 247,253  
 genetic diversity 74,84,86,266,299  
 geometric constants 180,258,340,344,345  
 geopolymers 397,398,401  
 ghss-based iteration 40,45  
 global convergence 27,29,30,259  
 glycerol 173,309,325, 365,371  
 growth rate 246,292,373,380,388

### **H**

- H1 space 413  
 halanay inequality 175,422,423,461  
 haze episode 325,331  
 heavy metals 67,68,73,435  
 high-resolution measurement 1  
 h-supermagic labeling 134  
 hydrological cycle 403

### **I**

- immunofluorescence 383  
 inverse matrix-free ppa 167,311,312,316  
 inversion 17,180,197,277,326  
 ion-exchange resin 346

isoflavone	303	phytosterols	243,257,346,353
isotope-altitude relationship	403	picard-hss iteration	40,41,45,183
iteration method	34,40,45	pinning control	444,448,452
		planktonic	75,85,178,212,235,239
			241,244,246,264,358,379
<b>L</b>		<i>Polistinae</i>	319
leaf anatomy	87,144,146,147,260,262	positive semidefinite matrices	351,438,439,441
leaf surface	146,149,153	process optimization	212,217,378
lepidopteran pests	161,234,235,389		
linear complementarity problem	40,454,455		
linear time-varying system	46		
loop-mediated isothermal	365,366,370		
<b>M</b>			
mae tao stream	67	<b>Q</b>	
male reproductive	303,383,386,374	q-difference	218,225,376
marine <i>Geitlerinema</i>	74,82,372	quadrature rules	54
measurement timing		quasi-ideals	288,289,291
1,4,8,70,185,186,258,262,268,302		rainfall effects	1
	304,307,308		
mentum deformity	67,72,261,317		
microbial quality	365	<b>R</b>	
microcellulose fibre	227	RAPD	74,80,82
microemulsion	11	rDNA	74,83,168,372,458
microhabitat	290,302	reaction mechanism	105,106,185
micropropagation	87,136	red tide-forming	241,244
mixed outer synchronization	444	relative humidity	136,188,325,376
modified young-laplace equation		riemann-stieltjes integral inequalities	54
	11,14,201,403	rosmarinic acid	162,163,165
molecular marker	87,333		
mountain stream	159,292,302,402		
<b>N</b>			
natural fibre	227	<b>S</b>	
<i>Nemipterus japonicus</i>	92,93,381,394	<i>Saccharomyces cerevisiae</i>	233,371,372,375
nga mon	162	salmon	91,93,95,344
nongenomic action	332	scanning electron microscope	146,229
nongenomic action	332	<i>Selaroides leptolepis</i>	92,93
nonlinear control	355,364	simple group	82,125,128,257,261,267,308
nonlinear hss-like iteration	40	size distribution	11,16,355,388,
nonsmooth equations	45,454,461	solitary wasps	319
non-uniform bound	149,277,278,280,303	sparse signal recovery	311
	304,308	stabilization	33,46,48,53,257,265,267,307
normal cone	34,35,118,120,116	stomatal density	116,135,142,197
numerical experiment	27		316,317,454,458,459
		strongly singular integral	413,414
		superlinear convergence	27,28,31,201,389
<b>O</b>			
ORAC	179,180,182	<b>T</b>	
Oryza	168,197,198,407	temporal oscillations	102,103,107,142
		t-geometric mean	438,439
<b>P</b>		total labelling	129,131,267,364
Painlevé equation	218	toxic	67,70,85,405
palynology	146,161	TPC	163,165,179
PCR	76,80,84,177,265	trace element	111,113,114
perturbation	46,48,274,155,422	translation bounded functions	18,19
photosynthetic photon flux	135,136	turmeric extract	11,12,16,176,257
phytochemicals	87,163,168	turning	200,203,247,251,253
		<b>U</b>	
		uncertain parameter	355,364
		uniform attractor	18,20,25
		unitary operators in hilbert spaces	65

**V**

- vanishing prime graph 125,128,391  
vascular bundles 154,156,159  
*Vespinae* 319

**W**

- water efficiency 135  
water vapor sources 327 403,404,408  
weak log-majorization 438,440  
weighted energy method 422

**X**

- x-ray fluorescence 109,111,352,398

**Z**

- Zingiberaceae* 12,146,147