

KEYWORD INDEX

- Ab initio* phasing 1091
Absurd patents 1308
Academics 1183
Accelerator mass spectrometry 488
Acheulian 1538
ACORN 1091
Actinomycetes 1325
Adaptation 314, 984
Adenylate energy charge 1259
Adenylates 1259
Aedes aegypti 1064
Agricultural ecology 1183
Agriculture 296
Agro-infiltration 431
Agrobacterium 829
Air quality assessment 405
Air-borne synthetic aperture radar 249
Airborne pollutants 405
Alakananda–Bhagirathi rivers 500
Alloys 41
Alpha-amylase inhibitor 829
Amerasinghe, F. Prashantha 730
Amino acid composition 558
Amphibians 450
Anabas testudineus 288
Andaman islands 1526
Andaman–Nicobar 1118
Andaman Sea 620
Anopheles minimus 32
Antarctic continent 978
Antarctica 851
Antenna 207
Antheraea mylitta 1667
Antheraea species 100
Anthracnose 915
Anthropogenic disturbance 225
Apomixis 277
Apoptosis 519
Arabian Sea 421
Arabidopsis thaliana 1336
Arachidonic acid 311
Arcellaceans 1603
Areal extent 851
Arsenic 158
Artemisinin drugs 1323
Arthrospira magna 954
Artificial neural network 773
Arunachal Himalaya 195
Asexual diversity 938
Asia-Pacific region 148
Assam 32
Association analysis 683
Astaxanthin 1602
ATBR 48
Atomic force microscopy 1378
ATP/microbial biomass C ratio 1259
Autoinducer 666
Autonomous underwater vehicles 1202
Axial triradus 1679
Ayurveda 1052, 1589
Bacillus cereus 642
Bacteria 58, 1325
Bacterial blight 818
Bacterial infections 631
Bacterial retrievability 103
Bactericidal activity 1378
Bacteriophage 631
Baghmata river 249
Ball lightning 1247
Banana 842
Banerjee, M. K. 1564
Barite 440
Barren Island 620
Basement structure 1535
Bay of Bengal 12, 421, 574
Beach erosion 240
Bee pollinators 960
Bees 232
Benefit sharing 15
Benthic and planktonic foraminifera 1685
 β -thalassaemia syndrome 1651
Bhasmas 897
Bhuj earthquake 504
BIAcore 677
Bio-nanotechnology 1456
Bioassay 666, 1663
Biobattery 1263
Biodiversity 444, 481, 509
Biodiversity informatics 280
Biodrainage 897
Biofuels 748
Biogeographical Information System 444
Biological significance 793
Biological water management 897
Biology 163, 1587
Biomineralization 58
Biosorption 1263
Biotechnology 903, 1058
Birth seasonality 804
Blind thrust 942
Block rotation 942
Bluetongue virus 163
Boron 414
Bottom simulating reflector 1421
Brahmaputra 1272
Brain 168
Brain hormone 1462
Breeding systems 838
Brinjal 711
Br-cotton 278, 1170
Bud sports 938
By-catch 922
Calcite 58
Calophyllum inophyllum 1393

- Cambrian 113
 Camptothecin 95
Canavalia sp 1638
 Candidate gene 168
 Carbon dioxide 1544, 1607
 Carbon isotope 488
 Carbon nanotubes 14, 756
 Carnation 74
Carnation mottle virus 74
 Carrot 1336
Cassia senna L. 1472
Casurina equisetifolia 704
 Cation distribution 435
 Caves 58
 Cell cycle proliferative index 237
 Cell envelope protein 88
 Cell surface architecture 568
 Cellular changes 720
 Central East coast of India 1651
 Central seismic gap 581
Ceratavacuna lanigera 771
 Cercospora 564
 Chandra–Eddington episode 145
 Chelonia 1130
 Chemical ages 65
 Chemical diversity 95
 Chemical weathering 932
 Chilika lake 1180
 Chlorophyll 1397
 CHO-K1 cells 549
 Chromite 435
 Chromosomal aberration 237
 Chromosomes 168, 1052
 Chrysanthemum 1108
 CIEMAT/NIST 83
 Citation index 748
 Civilizations 1082
 Clathrates 1544
Clerodendron inerme 1064
 Climate change 314, 346, 354, 376, 1053, 1600, 1610
 Climate determinants 369
 Cloning 1510
 Closed system 1073
 Coastal and offshore waters 103
 Coastal area 1238
 Coastal change 376
 Coastal hazards 1195
 Coastal submergence 989
 Coastal zone management 1594
 Coat protein 74
 Codons 22
 Cold desert 1113
 Colonial India 1138
 Colonization delay 1552
 Colony forming units 103
 Commercialization 780
 Compact disc 1658
 Compartmentalization of science 1167
 Compensation mechanism 211
 Complete genome 74, 176
 Compost 954
 Conservation and management 1210
 Conservation monitoring 444
 Contact preferences 558
 Copper zonation 221
 Coral 414
 Coralline algae 1276
 Corona discharge 1247
 COS-7 cells 549
 Counterfeit drugs 1054
Crataeva religiosa 716
 CRM pig liver paste 221
 Crop breeding objectives 1053
 Crosslinking 1230
 Crust formation 905
 Crustaceans 119
 Crustal deformation 1688
 Cry1Ac expression 1170
 Crystal structure prediction 1230
 Crystalline array 1230
 Cuddalore–Nagapattinam shelf 1535
Culicoides sp. 163
Cullenia exarillata 1674
 Cyclic AMP 311
Cymbidium 1384
 Cytochalasin B 568

 Dasgupta, Mrinal Kumar 1288
 Data assimilation 1188
 Database management 1658
 Day evergreen forests 1238
 Deccan intertrappean bed 1281
 Deformation 690
 Deformation system 942
Dendrocalamus strictus 704
De novo diversity 938
 Depletion phase 851
 Desikachary, T. V. 591
 Developing countries 645
 Diabetes model 188
Dictyophora indusiata 1062
 Digital elevation model 249
Dimorphichnus 113
Diplichnites 113
 Direct development 450
 Discards 922
 Disjunct distribution 789
 Disproportionate assets 143
 Disruption 1418
 Dissolution rate 932
 Diversity 1516
 DNA 100
 DNA amplification 1510
 Downscaling 334
 Draft ICMR Guidelines 1476
Drosophila 1003, 1179
 DTM 1001
 DUS and VCU testing 780
 Dynamic Stokes shift 301
 Dyslexia 168

 Earth's core mantle boundary 284

KEYWORD INDEX

- Earthquake hazard 1070
Eastern Ghats 995
Eastern syntaxis 1272
EC 1663
Eco-restoration 444
Ecological impact 1531
Ecological role 784
Economic valuation 784
Edible mushrooms 427
Effective elastic thickness 1406
Efficiency tracing 83
Effluent treatment 1263
Eicosanoids 311
Einstein 898
E-journals portal 751
El Nino 1363
Electromagnetic waves 640
Electrical resistivity imaging 1555
Electrical structure 107
Electron donor-acceptor molecules 301
Electron gun 490
Electrostatic stress 1247
Elephant 616
Emission scenario 384
Endophytes 1315
Endophytic fungus 1309
Endosymbionts 1671
Energy 1173
Energy choices 384
Epidendroideae 1384
Epigenetic barytes mineralization 27
Epoxy resin 1492
Equilibrium kinetics 932
Equilibrium line altitude 1500
Erianthus arundinaceus 1118
Erosion 1272, 1431
Erythrina 1061
Estradiol-17 ? 119
Estuaries 103, 984
Ethical values 1051
Ethics in scientific research 1307
Ethnic diversity 1651
Ethnopharmacology 1460
Eurasian rout 789
Eutherian mammals 1281
Ex situ conservation 1393
Exchange time 967
Experimental conditions 1003
Explosive floral mechanism 960
Eyes 1506
- Faculty recruitment 616
Faecal pellets 954
Fault classification 542
FBG sensor 219
Fe-hydrogenase 1627
Fe-S protein 1627
Fermentation 1627
Ferulic acid 825
Fibre reinforced plastic 1492
Fish production 1126
- Fisheries 922
Flexural bulge 1406
Flood water 249
Floral galls 716
Floral resources 1210
Fluid mixing 440
Fluorescence 301
Focal depths 107
Follicolous lichens 509
Food security 754
Foraging ecology 1210
Forest 354
Forest types 354
Frankia 1516
Free radicals 1100
FTIR 1544
Fungal farming 1463
Fungi 1325
Future climate projection 362
Fuzzy clustering 396
- Gadagkar, Raghavendra 1459
Gallic acid 1100
Gamma irradiation 1667
Ganga 1001
Ganga Plain 973, 1547
Gangetic Plain 1001
Garhwal Himalayas 1370
Gas-phase 1251
Geastrum fornicatum 1062
General Circulation Model 396
Genetic algorithm 542
Genetic diversity 711
Genetic enhancement 938
Genetic variability 1108
Geobotanical prospecting 750
Geoclemys hamiltoni 1130
GEODROME 574
Geodynamics 1605
Geoethical audit 762
Geoid and gravity anomaly data 211
Geomicrobiology 58
Geospatial data repository 617
Germlasm 915
GHG 384
GIS 1431
Glass fibre 1492
Glucose transport 188
Glycosylation 549
Gmelina arborea 232
Gondwana breakup 789
GPS 207
GPS measurements 1688
Granitoid plutons 65
Graphite 995
Gravity anomalies 1406
Green algae 1276
Green mould disease 427
Greenhouse gas emissions 326
Greenhouse gas inventory 326
Groundwater recharge 1610

- Growth rate 1552
 Guava symposium 1059
 Gupta, Modadugu V 9

 HadRM2 346
Haematococcus pluviialis 1602
 H-cluster 1627
 Health care 752
 Health effects 1607
 Health impact 405
 Heat flow 1421
 Heavy metals 1263
 Heavy rainfall 1188
Helicoverpa armigera 846
 Heterocycles 793
Hevea brasiliensis 1510
 High impact weather 1188
 High rate transpiration system 704
 High-risk areas 32
 Higher education 276
 Himalaya 562, 581, 1272
 Himalaya seismic gap 507
 Himalayan Frontal Thrust 1267
 Himalayan orogen 195
 Himalayan seismicity 1406
Hippophae salicifolia 1516
Hipposideros diadema nicobarensis 912
 Holocene 1082, 1547
 Homoserine lactone 666
 Hot corrosion 41
Hox 623
 Human chorionic gonadotropin 677
 Human dynamics 1082
 Human inhabitation 973
 Human resources development 1457
 Humanities 37
 Hybrid parasitoids 907
 Hydrate saturation 1421
 Hydraulic conductivity 1526
 Hydrogen 756, 1627
 Hydrogeology 1555
 Hydrological records 1122
 Hydrology 1610

 IABMS Annual Conference 480
 Icacinaceae 95
 IL-8 level 952
 Illite 574
 Impact factor 748
 Impactor 151
 India's universal immunization programme 1465
 Indian Academy of Sciences elects new Fellows – 2006 459
 Indian agriculture 630
 Indian climate 334
 Indian Himalayan region 784
 Indian Institutes of Technology 485
 Indian isolate 74, 176
 Indian legislations 15
 Indian monsoon 334
 Indian Ocean 690, 697
 Indian palaeontology 1168

 Indian pilot expedition 978
 Indian rivers 12
 Indian S&T journals 615
 Indo-Burmese arc 1688
 Indo-US nuclear agreement 1316
 Indoor rearing 1667
 Industrial air pollution 405
 Industry and academia 8
 Infectious diseases 1470
 Inflammatory diseases 519
 Inland area 1238
 Insect pest management 903
 Insect pests 1671
 Insect-plant interactions 477
 Insulin resistance 188, 659
 Insulin signalling 188
 Integrated statutory model 747
 International collaboration 1476
 Internet-accessibility 1413
 Inundation 240
 Inverse photoemission 490
 Inversion layer depth 697
 Isohyet analysis 1344
 Isoleismal 581
 Isotopic compositions 414
 Isotopic fractionation 414
 IT 7
 ITS 564

 Jaintia Hills 1276
 Jamni river 1431
 Java-Sumatra 690
Jhumias 475
 JITE 37
 John Herschel's astronomical observations 259
 Johnson, Norman L. 458
 Journal 8
Juniperus macropoda 1122

Kappaphycus alvarezii 619
 Kashmir earthquake 507
 Kerala coast 240
 Kolkata metropolis 158

 Laboratory automation 765
 Lahul 1122
 Lahuradewa 1547
 LA-ICP-MS 221
 Land treatment 704
 Late Quaternary glaciation 1500
 Leaf formation 1336
 Lectin-carbohydrate interactions 1230
 Leeuwin current 1363
 Legumes 564
 Lesser Himalaya 440
 Lichen ecology 509
 Lichenometry 1552
 Life Sciences 1307
 Ligand specificity 1230
 Lime sludge 1126
 Linkage 168

KEYWORD INDEX

- Linking Indian rivers 1589
Lion-tailed macaque 804
Lissemys punctata 1130
Lithospheric flexure 211
Long-range monsoon 773
LSS 83
Luminescence dating 1500
Luminous *V. harveyi* 1105
Lung function abnormalities 1177
Lymphocyte culture 1130
- Maastrichtian age 1281
Madagas 1679
Madrid earthquakes 504
Magnetic data 578
Main Central Thrust 195
Mainline endings 1679
Malaria 32
Malaria incidence 369
Mangrove forests 1259
Mapping 221
Mapping QTLs 24
Marine biodiversity 1310
Marine bioinvasion 619
Marine ecosystems 772, 922
Marine geophysical data 1658
Marine microbes 1325
Marine salterns 497
Maritime trade 864
Marker-assisted selection 818, 835
Mathematics 1459
Mating propensity 1003
Matrix–ligate interaction 677
Maximum root length 835
Medicinal plants cultivation 1113
Medicinal significance 793
Mega lineaments shear zones 578
Mentha arvensis 938
Mercurochrome 639
Mesoscale models 1188
Meteorological parameters 1218
Methane 384
Methanol 984
Methylotrophs 984
Microbial diversity 497
Micropropagation 1393
Miocene sediments 291
Mise-a-la-masse 1555
Mitigation 314
Model resolution 1188
Molecular geometry 1251
Molecular identification 427
Molecular markers 835
Molecular phylogeny 789
Molting 119
Moment tensors 690
Monazites 65
Monkeys 232
Monoclonal antibodies 677
Monomorphichnus 113
Monsoon 1218
Monsoon activity 12
Monsoon variability 973
Monsoon wind 864
Monsoonal variability 1685
Morpho-structural analysis 1267
Mössbauer spectroscopy 435
Movement protein 74
Multigeneic PCR 176
Multipath effects 207
Multiple shoots 842
Murraya 1254
Musa 842
Mutation rate 88
Muzaffarabad earthquake 1066, 1406
MX compounds 1251
Mynamar 1688
- n*-alkanes 846
Nagore–Velankanni coast 1195
Nancowire group 989
Nanoscience 645
Nanotechnology 37, 645
Naskal 1281
NATCOM 346
National Apex Committee 1476
National emission trends 326
National Science Communication Congress 896
Natural calamities 143
Navigation 1202
Nayudu, Malepati Venkatarama 127
Nectar-feeding activity 960
Negative results 8
Nematology 1593
Neolasioptera crataevae 716
Nesting habits 1210
NET exam 144
Neural networks 542
Nickel-based coatings 41
Nicobar islands 989
Nicotiana benthamiana 431
Ninetyeast and 85°E ridges 211
Nitrogen 954
Nitrous oxide 384
Non-alcoholic fatty liver disease 659
Non-conservative fluxes 967
Non-flying mammals 1674
Non-invasive ophthalmic imaging 1506
Nonlinear interactions 812
Normal fault 1001
Northern Arabian Sea 1397
Nothapodytes 95
Nuclear dilemma 759
Nuclear factor-kappa B 519
Nuclear power generation 144, 1591
Nucleotide combinations 22
Numerical modelling 1073
Nutrient budgets 967
Nutrient strength 103
Nutritional and biochemical features 1638
- Oak 562

- Obesity 659
Ocean data platform 1202
Oceanographic conditions 421
OCM data 1397
Oligosaccharides 549
Omega-3 fatty acids 908, 1590
Open system 1073
Optical coherence tomography 1506
Orchidaceae 1384
Organic matter 954
Orissa 396
Oryza sativa 24
Outer membrane genes 88
Outer membrane proteins 88
- Paecilomyces variotii* 825
Palaeocene–Eocene 1276
Palaeoclimate 1685
Palaeolithic 1538
Palaeontology 286
Palynology 1281
Paper mill 1126
Parasite 562
Parasitic nematodes 1593
Partially open system 1073
Particle size distribution 1526
Particulate matter 151
Passerine birds 232
Patent analysis 296
Patents 618
Patient activity 296
Patterns of accumulation 95
PCR amplification 1105
Peer reviewing 615
Penicillium–Bacillus 20
Performance optimization 1480
Pest management 907
Petrol leak 219
Petrol-pump workers 1177
P. falciparum 369
Philautus cf. leucorhinus 450
Phorophyte 509
Photocatalytic effect 1378
Photocorespiration 1588
Photon detector 490
Physics design 48
Phytoremediation 476
Pink-line syndrome 720
Planktic foraminifera 1363
Plant extract 846
Plant volatiles 846
Plasmodium falciparum 1323
Plate tectonics 1596
PM 151
Pollination 232, 838, 1674
Pollinium 1384
Polybutadiene rubber 1492
Polyethylene biodegradation 20
Polymerase chain reaction 835, 1510
Polymorphism 1108
Polyphenols 1100
- Polyprotein 74
Polysiphonia unguiformis 289
Pond management 1126
Pongamia pinnata 960
Population health 1651
Population structure 225
Porites lutea 720
Porosity 1421
Post-transcriptional gene silencing 431
Prakriti 896
Precambrian 942, 995
Precipitation variability 1122
Pre-university education 37
Primate polythelia puzzle 275
Principal component analysis 396
Principal mainline formula 1679
Progesterone 119
Promoter polymorphism 952
Prostaglandins 311
Protective coatings 41
Protein modelling 558
Proton conductivity 1247
Pseudoscientific menace 143
Psychrophilic fungi 1388
Pteropus giganteus 160
Publications received 594
Pulmonary tuberculosis 952
P. vivax 369
Pyrimidines 793
- Quadrastichus* 1061
Quadrature 812
Quark-gluon plasma 1055
Quartz veins 1544
Quenched samples 83
Quorum-sensing 666
Q value 581
- Radiocarbon dating 488
Radiomutants 1108
Radomes 207
Rainfall 396
Rainfall prediction 773
Rainfall variability 1218
Rainwater harvesting 1082
Rajeli 842
Rao, Barry Ramachandra 1438
Rao, K. J. 1459
RAPD 564, 1254
RAPD marker 711, 1108, 1118, 1510
Rapeseed mustard 1174
rDNA 564
Reactivation 942
Real-time monitoring 1413
Regeneration efficacy 225
Regional climate model 334, 362
Regional climate projections 334
Regression 683
Regulatory agency 1476
Relict lake 1500
Repetitive RFLP 100

KEYWORD INDEX

- Reproduction 119
Reproductive biology 716
Reproductive life-history 804
Reproductive physiology 804
Research prospects 915
Research publication 1457
Residue environment 558
Residue size 558
Resistance genes 818
Resonating quadruplets 812
Resorption 311
Retired scientists 9
Retrotransposon 100
Rheology 107
Rhizobia 486
Rhizocarpon 1552
Rhododendron conservation 532
Rice 818, 829
Rice cultivation 1547
Rice genetics 901
Rice phytoliths 1547
Rice-wheat 1521
Ring width chronology 1122
Risk assessment 1370
River basins 1594
Rock fall 1370
Room temperature ionic liquids 301
Rubber pressure moulding 1492
Rubber tree 1510
Run-off 1610
Run-up height 1535
Run-up level 240
- Sacred groves 225
SAMPL 683
Sanai lake 973
Sand dune 1638
S&T in India 281, 1169
Sargassum wightii 1263
Satellite altimetry 211, 475
Satellites 207
Scale interaction 1344
Scanning electron microscopy 568
Schirmacher Oasis 1388, 1603
Science and faith 895
Science communication 751, 900
Science communicators 1598
Science education 758
Science managers 637
Scientific discourse 1587
Scientific ethics needs 747
Scientific institutions 1138
Scientific knowledge 143, 1138
Scientific research 1167, 1457
Scientists anonymous 1175
SCR earthquakes 107
Sea ice concentration 851
Sea level rise 362, 376
Sea water 414
Seed dispersal 232
Seed germination 1113
- Seismic hazard 581
Seismic velocity 1422
Seismic zoning 634
Seismotectonics 690
Self-employment 622
Sensors 1202
Serial dilution method 1388
Sericulture 1671
Sethusamudram Ship Channal project 146
Sexual isolation 1003
Shear zones 995
Shelf morphology 1535
Shella Formation 1276
Shrimps 1105
Shrub frogs 450
Shrubs 838
Sibling species 1003
Signal transduction 519
Sikkim Himalaya 532
Silk fibre diameter 1667
Silkworm 100
Singhauli active fault 1267
Single-marker analysis 835
Sister chromatid exchange 237, 749
Sitophilus oryzae 829
Sittampundi 435
Siwalik group 1267
Slider-bearing 1480
Small-scale research activity 1183
Smitinandia 1384
Societal implications 645
Socio-cultural acceptance 784
Soft tissues 221
Soil water content 1526
Solanaceae 711
Solanum viarum 846
Solar cell 639
Solar variability 1685
Solar wind 482
Solvation dynamics 301
Solvents 1663
Somatic embryogenesis 842, 1336
Southeast Asia 1688
Southern Ocean 978
Soybean root 1474
Spectral signature 1544
Spectroscopic studies 995
Sr-Nd-Os isotope systematics 1272
Sri Lanka 1531
Stand structure 1238
Staphylococcus aureus 910
Steatohepatitis 659
Stem cell regulation 1476
Stem cells 1311
Storm surges 362, 1195, 1413
Structural haemoglobin variants 1651
Stylosanthes sp. 915
Subbarao, Matukumalli Venkata 1011
Subduction zone 1418
Subrahmanyam, R. 1696
Sukeli 842

- Sulphur isotope 440
Sumatra–Andaman earthquake 1070, 1418
Surface tension 1247
Susrondi 1538
Sustainable development 784
SW monsoon 1082
SWAT model 346
Symbiosis 720
Synoptic scale feature 1344
- Tandem repeats 88
Tasar silk filament 1667
Tata Institute of Fundamental Research 1012
Taxillus 562
Taxol 568
Taxonomy 163
Teaching 1183
Technosciences 37
Tectonic inversion 504
Temperature inversions 697
Tensegrity 1251
Test aerosols 151
Thermal conductivity 1422
Thermal-tsunami 1605
Thermodynamic parameter 435
Thermophiles 10
Thorium 48
Threskiornis melanocephalus 28
Thunderstorm 1344
Thy-1 549
Tide gauge data 362
Titanium dioxide 1378
Tobacco rattle virus 431
Toll-like receptors 519
Toxicity 1607, 1663
Trace fossils 113
Trade winds 1397
Traditional healthcare system 225
Transducer 219
Transmission and control 32
Transmission window 369
Transmutation 1173
Trawling 922
Tree diversity 1238
Trench line 1418
Trichoderma 427
Triphala 1100
Triple mutant 1091
Troposphere 1218
True patters 1679
Tsunami 240, 421, 762, 989, 1195, 1413, 1531
Tsunami surge 1535
Tsunami warning system 1073
Turtle karyotype 1130
Type 2 diabetes mellitus 188, 237
- UGC task force 1167
Undergraduate science programmes 1183
Undergraduate science teachers 1169
Universal soil loss equation 1431
Universities 293, 617
University science education 1320
Unoccupied states 490
UPGMA 1254
Upwelling 1363
Uranium 48
Urban particulates 158
User-friendly modules 1658
- Vaccines 1465
Van Rhee de 145
Vanillic acid 825
Vanillin 825
Varietal development 780
Vector 369
Vegetation change 973
Vegetation damage 1531
Vegetation types 354
Velocity modelling 1370
Vibrio harveyi 1105
VIGS 431
Vulnerability 314
Vulnerability assessment 376
- Wastelands 915
Water and science 1321
Water-oozing 1555
Water resources 346, 1610
Water–rock interactions 932
Watershed 1431
Waviness 1480
Western Ghats 450, 481, 838, 1674
Wetland rice cultivation 1458
Wheat 677
Wheat rhizosphere 1521
Wild legumes 1638
Winter bloom 1397
Wolbachia 1671
Wolf-Kishner reduction type method 14
World Food Prize 9
- Xylocopa* 1210
Yala 1531
Yamuna 1001
- Zebrafish 1506
Zero detection threshold 83
Zircon dating 195
Zircons 65
Zooxanthellae 720
Zygotic embryogenesis 1336
-