

## Annual Subject Index

Abiotic stress	26	Cauliflower	221
<i>N</i> -Acetylated chitoooligosaccharides	186	Cellular constituents	87
Acetylene reduction assay (ARA)	221	<i>Celosia cristata</i> L.	402
Acid phenol	376	CGMS system	328
Acid stability	293	Chickpea	55
Adenine sulphate	127	Chitinase	233, 476
Aeration	394, 547	Chlorophyll	566
<i>Aerides ringens</i> (Lindl.) Fischer	574	<i>Clarias gariepinus</i> Burchell	388
AFLP	49	Class-specific epitope	160
Agar concentration	112	CO <sub>2</sub>	228
Agitation	394	Coastal aquaculture	482
AIDS	9	Comet assay	186
Airlift photo-bioreactor	228	Composting	19
AMOVA	511	Compound K	270
cAMP	172	Computational prediction	312
$\alpha$ -Amylase	65	Conservation	334
<i>Anabaena</i> 7120	87	Continuous immersion	547
Antimalarial	112	Conventional PCR	94
Antioxidant	59, 186	Cooking and eating quality	320
L-Asparaginase	59	<i>Corynebacterium glutamicum</i>	193
<i>Aspergillus niger</i>	81, 552	Cotton	511
Assam local pig	416	Crop improvement	334
Association mapping	320	Cross-amplification	388
Astragaloside IV	540	Crude oil	208
<i>Astragalus trojanus</i> Stev.	540	Cryopreservation	425
Ayurvedic composition	149	Culture dependent method	19
<i>Bacillus</i> sp./spp.	59, 65, 221	Culture independent method	19
<i>B. thuringiensis</i>	476	Cycle threshold	256
<i>Bacopa monnieri</i> (L.) Wettst. ( <i>Brahmi</i> )	547	Cyclic somatic embryogenesis	559
Bacosides	547	Cycloastragenol	540
Bael	566	Cyclosporin A	394
Bamboo	495	<i>Cyprinus carpio</i> L.	382
Banana cv. Robusta	420	Cytoplasmic DNA	249
BAX	117	Decolorization	101
6-Benzyladenine/6-Benzyl amino purine	127, 574	Degradation	101
B-cell epitope	160	Detoxification	101
Biocontrol	221	Diagnosis	94
Biofilter	216	Diploid	581
Bio-fixation	228	Diploid embryos	117
Biosensors	9	Direct regeneration	581
Biosurfactant	208	Disease resistance	233
Biotransformation	482	Disease resistance breeding	455
<i>Brassica oleracea</i> L.	455	Diversity	49
Breeding	445	Diversity analysis	504
BTX vapours	216	DNA barcoding	260
Bulked segregant analysis	455	DNA extraction	382
<i>Cajanus cajan</i> (L.) Millsp.	328	DNA markers	455
<i>C. scarabaeoides</i> (L.) Thouars	328	Duplex RT-PCR	120
Calcium chloride	107	EDS	276
Callus culture	123	2D Electrophoresis	532
Camptothecine (CPT)	123	Electroporation	489
Caprine	117	Elimination capacity	216
<i>Capsicum annum</i> L.	49	ELISA	9
<i>Caralluma pauciflora</i> Wight	411	Endogenous reference gene	357
<i>Cassava mosaic virus</i>	559	Endophytic bacteria	59
Catalytic domain	476	Enteric	167

<i>Enterobacter asburiae</i>	101	Ion beam	364
Enzymatic transformation	270	ISSR	334, 344, 420, 495, 511, 518
Enzymes	87	Jackfruit seed hydrolysate	193
Epac2	172	Johne's disease	469
<i>Erianthus</i> spp.	249	<i>Kaempferia galanga</i>	425
EST(s)	312, 461, 55	Keratinase	200
Ethnomedicinal plants	59	Kinetin	127
Faba bean	351	<i>k<sub>1</sub>L<sub>a</sub></i>	394
<i>Fabaceae</i>	461	Knudson C	574
Fatty acid profile	429	Kolkata water-bodies	149
Fish scales	382	<i>Konjac mosaic virus</i>	120
Foreign DNA	364	LD <sub>50</sub>	525
FTIR	101, 276	<i>Lepidium latifolium</i> L.	26
Functional annotation	461	Lingual antimicrobial peptide (LAMP)	256
Functional genes	482	Lipase	65, 429
Fungal pathogens	233	Liquid medium	112
Gamma irradiation	525	Listeriolysin O	160
GC content	461	<i>Litopenaeus vannamei</i> Boone	369
Genebank	357	<i>LIDREBIA</i>	26
Gene expression	117	L-Lysine	193
Gene pool	334	Mangiferin	179
mdr-Genes activation	149	Mango leafhoppers	260
Genetic distance	388	Marker assisted breeding	320
Genetic diversity	33, 344, 351, 511	Marker informativeness	344
Genetic fingerprinting	420	MCF7 cell lines	276
Genetic resistance	469	Memory enhancers	547
Genetic stability	420	Metagenomics	482
Genetic variability	388	Methoxy camptothecin (mcpt)	123
Germplasm conservation	357	Microalgae	228, 429
Ginsenoside Rb1	270	Microbial contamination	149
Glucagon like peptide1	172	Microbial diversity	19
Glutinous rice	320	Micropropagation	402, 566, 581
<i>Gossypium</i>	511	Microsatellite(s)	55, 388, 416
<i>Gracilaria corticata</i>	276	Microsatellite markers	504
Grapes	532	Microwave assisted extraction	179
Growth index	264, 547	Milk-coagulant	200
<i>Guizotia abyssinica</i> (L.f.) Cass.	344	<i>Miquelia dentate</i> Bedd.	123
<i>Halomonas aquamarina</i>	489	Mitochondrial cytochrome oxidase I (CO-I)	260
Halophytic	489	Molecular breeding	241
Halotolerant	65	Molecular characterization	504
Heterocyst	87	Molecular fingerprinting	518
Heterogeneous phyto-antibiotics	149	Molecular markers	241, 344
Heterologous expression	293	Molecular modeling	476
Heterosis	49	Multiple shoot proliferation	540
Heterozygosity	55, 416	Multiple shooting	402
HIV	9	Multiplication index	107
HIV diagnosis	9	Murashige and Skoog basal medium	574
Host susceptibility	469	Mutants	525
Hyperdiploid	581	Niger	344
Hypodiploid	581	Nodal explants(s)	127, 566
IC <sub>50</sub> value	179	North Bengal	495
Icacinaceae	123	<i>ntcA</i> mutant	87
Igninolytic	81	Nutraceuticals aspect	179
<i>In vitro</i> shoot proliferation	127	Nutrition	445
Indian Cassava var. H-226	559	Optimization	429, 552
Indian cattle	469	<i>Oryza sativa</i> L.	42
Indian Himalayan Region (IHR)	81	Osmolyte	65
Indirect organogenesis	411	OVAT	200
Indirect regeneration	581	Oxidative DNA damage	186
INM	221	Oxidative stress	186
Inoculum density (ID)	264		
Inositol hexaphosphate	293		

PAHs degradation	208	<i>Serratia</i>	59
Paratuberculosis	469	Shannon's information index (I)	416
Parthenogenesis	117	Shoot tip	425
mdr-Pathogenesis	149	Shoots tip necrosis	107
Pathogenesis-related proteins	233	Silver nanoparticles	276
PCR	19, 369, 382	Simple sequence repeat (SSR) markers	55
Multiplex PCR	357, 482	Single node cuttings	525
Real-time PCR	94	<i>Solanum melongena</i> L.	233
RT-PCR	376	Solid state fermentation	193, 200, 552
Peace lily	120	Somaclonal variation	581
Pectinase	552	Somatic embryo	425
<i>Panaeus monodon</i> Fabricius	369	Somatic embryogenesis	411
Peptone	574	Sox B gene	72
PGPR	65, 221	Soybean	504
Phenol extraction	532	<i>Spathiphyllum chlorotic vein banding virus</i>	120
Phylogenetic analysis	518	<i>Spilanthes acmella</i> (L.) Murray	112
Phylogenetics	495	Spilanthol	112
Phytase	293	SSR	33, 328, 461
PIC	33	SSR polymorphism	320
Pigeonpea	328	Stem cell	172
Plant transformation	233	3D Structure prediction	160
Plumbagin	264	Sugarcane bagasse	193
<i>Plumbago rosea</i> L.	264	Sugarcane intergeneric hybrids	249
Polymorphism information content (PIC)	416	Sulfate production	72
Polymorphism	55, 455, 476, 581	Sulphur oxidizing bacteria	72
Pomelo peel	552	Targets	312
Population structure	42	Taro	120
Propagation	112	T-cell epitope	160
Protein extraction	532	TEM	276
Protein profiling	87	Temperature/pH tolerant	81
Proteomics	532	Tetracycline	172
Protocorms	574	Tetraploid	581
<i>Pseudomonas aeruginosa</i> KS3	208	Textile effluent	101
Quinolones	167	Thermostability	293
Radical scavenging	179	Thidiazuron	127
RAPD	328, 334, 351, 364, 420, 425, 495, 511, 518, 581	<i>Tolypocladium inflatum</i>	394
Reactive oxygen species	186	Tomato	364
Recombinant phytase	293	TPH degradation	208
Recurrent regeneration	402	Transcription factors	26
Red rice	42	Transgene flow	357
Relative expression	256	Transgenic	445
Removal efficiency	216	<i>Trichosanthes dioica</i> Roxb.	107
Resistance	167	Tuberculosis	94
Rice landraces	33	Turmeric	312
mRNA	256	Unintentional introgression	357
miRNA	312	Upland rice landraces	42
16S rRNA	19, 221	Urinary tract infection	167
RNA isolation	376	UV-Vis spectrum	101
RNA sensor	9	<i>Valeriana wallichii</i> DC.	127
Root sucker explants	566	Virus RNA	376
Rooting	540, 566	<i>Weissella hellenica</i>	270
<i>Rosa × hybrida</i>	518	Wheat	445
Rose	525	Wheat germplasm	241
RSM	200	<i>White spot syndrome virus</i> (WSSV)	369
RuBisCO	72	Wild mulberry	334
<i>Saccharum spontaneum</i> L.	249	XRD	276
Salinity	33	Yellow rust resistance	241
Salt-resistance	489		
SDS-PAGE	87, 351		
SEM	369		