



Subject Index Vol. 24 (6) 2020

- 16S rRNA gene 1187
16S rRNA gene sequencing 1025
16S rRNA sequencing 91
3D structure 285
5S and 45S rDNA 1457
 α -tocopherol 1672
A. florea 1207
A. mellifera 1207
ABA 1533
Abiotic stress 43, 1681
ACC-deaminase 1763
AcCMF1 1641
Acer Linn. 1582
Acidic soil 584
Adaptability 995, 1855
Additive QTL 493
Advanced flowering time 1641
Aegilops tauschii Coss. 885
Aerenchyma 777
Age 1699
Agronomic traits 1273
Agronomy 1835
Albino progenies 900
Alfalfa 68, 377, 876
Alkali-stable 429
Allelochemicals 1178
Allium cepa 1457
Allo-hexaploid 1371
Alpinia zerumbet 420
ALS 1469
Altitudinal gradients 59
Amaranth 1558
Amino acid 1393
Ammonium sulphate 1715
Amphicarpa edgeworthii 188
Amphicarp 188
Amplification 285
Anoxia 1125
Antagonistic 730
Antagonistic activity 831
Anthesis stage 179
Anthocyanins 1251
Antibiotic alternative 91
Antifungal 1376
Antifungal constituents 441
Antimicrobial peptide 685
Antimicrobial protein 685
Antimicrobial spectrum 685
Antioxidant activity 85
Anti-oxidant constituents 1781
Antioxidant defense system 1293
Antioxidant enzyme 304
Antioxidant enzyme activity 777
Antioxidant enzymes 1309
Antioxidant reducing power 714
Antioxidant response element 1665
Antioxidants 461, 473
Antioxidants enzymes 1061
AOB 1107
Aphids 398
Apoptosis 434
Apostichopus japonicas 900
Apple rootstock 1823
Arabidopsis thaliana 207
AraC family 707
Arbuscular mycorrhizal fungi 876
Arsenic toxicity 473
Artemisia argyi 359
Artificial lighting 125
Arundo donax L. 1449
Ascorbic acid 486
Assay validation 1773
Association mapping 51
Asteraceous weed 1376
Atomic absorption spectrophotometer 953
Available nutrients 1325
Awn growth 1591
Azoles 1351
Babesia bigemina 1788
Bacillus amyloliquefaciens 655, 685
Bacillus licheniformis 35
Bacillus spp. 1439, 1845
Bacillus strains 691
Bacteria diversity 420, 1573
Bacterial leaf blight 1233
Bacteriolytic activity 1614
Bacteriophage 1614
Baiji 125
Balochistan 366
Banana 1357
Beauveria bassiana 725
Beef production 1025
Bees 1207
Behavioural response 454
Bemisia tabaci 279, 1157
Beneficial virus 1497
Berry quality 1217
Binding spectrum 1351
Bioactive components 85
Biochar 961, 1633
Biochar amendment 935
Biochemical assays 1061
Biochemical characteristics 645
Biochemical indicators 1823
Biodegradation 699
Biofertilizers 1242
Biofortification 691
Biofuel 927
Bioindicators 473
Bioinformatics 762
Bioinformatics analysis 1533
Biological control 517, 730
Biomass 179, 1279, 1393
Biomass allocation 188
Biopolymers 35
Bioproducts 35
Blue mold disease 655
Blueberry 101
Body color segregation 900
Bolting time 511
Bone strength 505
Boundary analysis 1543
Bovine babesiosis 1788
Brachypodium distachyon 1
Branch and glumous flowers 247
Brassica 1070, 1573, 1625
Bread wheat 1371
Breeding system 1053
Broiler 91
Broiler chickens 505
Bulk density 229
C23O gene 1187
Cadmium 171, 603, 987, 1633
Cadmium contaminated soil 1006
Cadmium uptake 1006
Calcium 909
Calcium nitrate 1715
Camel 366
Camellia oleifera 743
Cane yield 1279
Carbohydrate 101
Carbohydrate metabolism 385
Carbon and nitrogen metabolism 247
Carbon dioxide 1469
Carex argyi 1649
Carex spp. 849
Carrot seedling 371
Cashmere fineness 575
Casparian strip 777

Catalase 1417
Catharanthus roseus 1520
 Cecum 91
 Cellular structure 371
 Cellulase 1242
Cercis glabra 777
 Cereal cyst nematode 610
 Cereals 195
Chaetostripha 1084
 Chandler 486
 Charcoal rot 1376
 Chemical composition 359
 Chicken manure 1017
 Chinese herbal medicines 91
 Chinese kale 511
 Chlorophyll biosynthesis 1479
 Chlorophyll content 1167
 Chlorophyll fluorescence 799, 1070
 Chloroplast genome 352, 676, 743
 Chromosome doubling 651
Cinnamomum burmannii 1077
 Circadian rhythm 11
 Citrus Orchards 112
Clarias gariepinus 1089
 Climate change 238
 Climatic change 1315
 Clone 979
 Cloning 945
 Coat protein 1513
 Coconut 631
Cocos nucifera 631
 COD 1017
 COI–COII intergenic region 1207
 Co-inoculation 691
 Cold storage 486
 Cold stress tolerance 969
 Collaborative influence 1315
 Combat strategies 995
 Common buckwheat 1115
 Common carp 473
 Community characteristics 1649
 Community gene 1107
 Competition duration 737
 Competition period 1142
 Conjugated polyamines 1258
 Consecutive monoculture stress 591
 Conservation 133
 Controlled atmosphere storage 1607
 Copper contamination 584
 Corn 391
 Correlation 755, 1006, 1855
 Cotton 17, 755, 1401
 Couch grass 195
 Cover crops 1265
 CP_{syn} 1513
 Critical nitrogen concentration 891
 Crop rotation 195, 1573
 Crop yield 165
 Crossings 311
 Crude protein 1527
 Cryopreservation 1754
 Cultivation type 447
Curvularia lunata 1363, 1621
 Cuticular wax 863
 Cyclic electron flow 1692
 CYP51 1351
 Cystic echinococcosis 366
 Cytochrome P450 2E1 523
 Cytokinin 871
 Dairy goat 434
 Date palm 133, 631
Daucus carota L. var. *sativa* 371
 Deep tillage 1543
 Defense systems 714
 Deficit irrigation 1293
 Degraded wetlands 849
 Deltamethrin 279
 Density 359
 Detection 292
Deyeuxia angustifolia 849
 Diagnosis 1773
 Diet 1699
 Differentially expressed gene 1625
 Differentiation and degradation 247
 Dimethylpentalin 538
 Direct seeded rice 1178
 Disease resistance 447, 1233, 1301
 Diversity 59
 Diversity of Soil 112
 DNA Barcode 1582
 DNA fingerprinting 563
 DNA sequencing 398
 Dolichol 1098
 Drought 1, 154, 1835
 Drought stress 777, 863, 1258
 Drought tolerance 311, 1723
 Dry matter 1167
 Dryland farming 1543
 Durable resistance genes 621
 Dwarfing 1823
 Dynamic transcriptome 1625
 Economic yield 1591
 Eggplant 751
Elaeis guineensis 631
 Electron transport rate 1070
Eleutherococcus trifolius 1053
 Elevated CO₂ concentration 1315
Encapsulation 1754
 Endogenous hormone 371, 885
 Endophytic bacteria 420
 Endophytic fungi 831
 Endopolygalacturonase 1357
 Endoxylanase 429
 Entomopathogen 725
 Enzyme activity 77, 885, 1732
 Epistatic QTL 493
 Equine 1033
ERECTA 1226
 Essential oils 1077
 EST 1149
 Ethylene receptor 4 969
 Evaluation 1157
 Event-specific 292
 Evergreen broad-leaf forest 1335
 Evolution canyon 285
 Evolutionary forces 676
 Exopolysaccharides 1845
 Expected response 1806
 Expression analysis 1196
 Expression level 1551
 Expression patterns 979
 Expression profile 823
 Expression profiling 01
F3'5'H gene 945
FABP4 794
Fagopyrum tataricum 1167
 Farm yard manure 1633
 Fat distribution 794
 Fatty acids 838
 Fatty acids composition 927
 Fengycin 655
 Fine root morphology 125
 Fine root standing crop 68
 Fingerprint 413
 Fitting equation 1692
 Flavonoid 101
 Flavonoids 1393, 1464, 1607, 1795
 Floral biology 1053
 Floral fragrance 11
 Floral scent 1551
 Flower 1464
 Flowering regulation 1641
 Flowering time 511
 Flue-cured tobacco leaves 1423
 Fodder yield 1527
 Foliar spray 1591
 Foliar spray 29
 Foot-and-mouth disease virus 1033

Forage crops 1286
 Forage quality 737
 Forage yield 737
 Freezing stress 545
 Fresh tobacco leaves 1423
 Fruit quality 1325
 Fruit rot 1621
 Functional annotation 01
 Fungal endophyte 1497
 Fungal saccharification 1449
 Fungi 871
Fusarium 663
Fusarium oxysporum f. sp. *cubense* race 4 1357
Fusarium wilt 1357
 Future smart food 1558
 FuZi 447
 Gas exchange 1125
 Gastrointestinal parasites 517
 GC-MS 1077
 GC-MS analysis 441
 Geminiviruses 1513
 Gene 762
 Gene differential expression 545
 Gene duplication 43, 610, 714, 769, 812, 1251, 1732, 1823
 Gene linkage 755
 Gene ontology 1795
 Genetic diversity 51, 238, 405, 413
 Genetic gain 1655
 Genetic map 511
 Genetically modified soybean 292
 Genome 263
 Genome sequence 29
 Genotypes 995, 1558
 Geographical origin fields 1565
 Germination stage 885
 Germplasm 1754
 Germplasm dissemination 563
GhLAC1 221
 Giant pandas 1699
 Ginseng; β -glucosidase 85
 Global warming 1469
Glycine max 995, 1815
Gossypium hirsutum L. 1061
 Grain filling 1409, 1591
 Grain pigments 1591
 Grain quality 1273
 Grain yield 1135, 1273, 1293
 Grape 299
 Grapes 1217
 Grassland management 1041
 Gray mold 221
 Grazing 1041
 Greenhouse 117, 891
 Groundwater 179
 Growth 1217, 1439
 Growth and physiological trait 145
 Growth and yield 461
 Growth performance 505
 Growth promotion 961
 Guabiroba 1431
 Hairy root 651
 Halophyte 603
 Harmful element 1565
 Heat-drought 1107
 Heat-tolerance genes 823
 Heavy metal 391, 461
 Herbaceous peony 979
 Heritability 755
Heterodera filipjevi 610
Hevea brasiliensis 1098
 High oleic acid peanut 1708
 High temperature dry fermentation 1017
 High-throughput sequencing 1115
 High-throughput sequencing 420
 Himalaya 1107, 1242
 Histology 1089
 Histone acetylation 523
 Homeostasis 333
 Homologous recombination 655
 Honey 1207
 Housekeeping genes 29
 HPLC-MS/MS 1464
 HS-SPME-GC-MS 918
 Humic acid 1273
 Hydroponic 1061
 Hyperaccumulators 603
 IBDV 1773
 Identification 1614
 iElisa 366
 Illumina sequencing 59
 Imidazolinone 1469
 Immune-related genes 783
 Improved populations C₁ and C₂ 1655
 Indirect elisa 1788
 Industrial applications 429
 Inhabiting Mesostigmata 112
 Inheritance 755
 Insecticides 1157
 Interaction 1125
 Intestinal microbiota 1699
 Intestinal microbiota 91
 Introgression line 823
 Ion homeostasis; 1672
 IonS5TMXL sequencing 1699
 Irrigation suspension 1431
 Isoniazid 523
 ISSR 563, 1601
 ITS2 1582
 Jasmonate 171
 JIP-test 343
 K⁺/Na⁺ ratio 304
 Kernel yield 1142
 Kidney 783
 Laccase 221
LACS 863
 Landrace 405
 Large panicle hybrid *Japonica* 247
 Lead regimes 1732
 Lead stress metal stabilization 1845
 Leaf 385
 Leaf area duration 1265
 Leaf area index 1279
 Leaf color mutant 1479
 Leaf curl 1513
 Leaf spots 751
 LED fishing 454
 Lemongrass populations 1855
 Lethal yellowing 631
 Light transmission rate 343
 Lignin 221
Lilium brownii 1607
Lilium pumilum 43
 Limiting factors 995
 Linalool synthase 1551
 Linkage disequilibrium 17, 51
 Lipid peroxidation 473, 553, 777
Listeria monocytogenes 707
 Lithological soil 935
 Liver 783
 Liver injury 523
lmo2672 707
 lncRNAs 1795
 Lodging resistance 1383
 Long non-coding RNA 01
 Low light stress 333, 909
 Low temperature 299
Lycium barbarum L. 1565
Lysinibacillus 1187
 Macroconidia 663
Macrophomina phaseolina 441
Magnaporthe oryzae 1351
 Magnoliaceae 413
 Maize 171, 762, 799
 Maize genetic linkage map 1363
 Maize-soybean strip intercropping 1383
 Malondialdehyde 987
 Mammary epithelial cells 434IGFBP5 434

MAPK cascade 591
 Marketable fruits 486
 MATE transporter 1196
 Mechanism study 1017
Medicago sativa 1226, 1286
 Medicinal herb 1781
Meloidogyne incognita 961, 1401
 Membrane leakage 553
 Merozoite antigens 1788
 Mesophyll protoplasts 273
 Metabolism 101
 Metolachlor stresses 1251
 MF-RT-PCR 292
Michelia; ISSR 413
 Microarray 610, 823
 Microbial activities 857
 Microbial activity 1335
 Microbial biomass carbon 77
 MicroRNAs 1115
 Microsatellites 51, 1795
 Mid-subtropical region 1335
 Mineral nutrients 1273
 miRNA 575, 1210
 Mitochondrial DNA D-loop 671
 Mixed linear model 51
 MLO 631
 Molecular Identification 1582
 Molecular markers 263
 Moringa 1217
 Morphological diversity 133
 Morphology 359, 663
 Mortality 68
Mortierella alpine 838
 Mosaic disease 1301
 Mowing frequency 1649
 Multi-genetic backgrounds 493
 Multi-silique 1625
 Musa acuminate 1621
 Muscle satellite cells 1210
 Mutant 655, 1371
Myc1 transcription factor 1520
 Myogenesis 1210
 NaCl 1187
 Nanoparticles 273
 Natural fungicides 730
 Natural selection 352
 ND-FISH 1457
 Nematode trapping fungus 517
 Nematophagous fungi 517
 Neonicotinoid resistance 398
 New record 1084
 New species 1084
 NF-YB 762
 Nitrate transport protein 207
 Nitrification 1107
 Nitrogen 1070, 1715
 Nitrogen application rates 1423
 Nitrogen combination 201
 Nitrogen concentration 838
 Nitrogen fertilizer application 1409
 Nitrogen level 769
 Nitrogen nutrition index 891
 Nitrogen rates 1135
 Nitrogen sources 1178
 Nitrogen use efficiency 1135, 1279
 NRF2 1665
 Nutrient absorption and accumulation 214
 Nutrient availability 1301
 Nutrient digestibility 505
 Nutrient runoff losses 165
 Nutrition 1025
 Oat cultivar 1527
 Observed and expected responses 1655
 Oil body 927
 Oil palm 631
 OJIP curves 531
Oligosita 1084
 Olive flowers 918
 Onion 1641
 Onion cultivars 1681
 Organic acids 1340
 Organophosphate 699
Oryza sativa 1142
Osmanthus fragrans 11, 1551
 Osmolytes 1672
 Osmotic adjustment substances 777
 Osmotic stress 319
 Over-expression 1226
 Oxidation resistance 871
 Oxidative stress 319, 553, 1431, 1665, 1732
 Psolubilizing microorganisms 1242
 Paddy yield 1178
 Pakistan 112, 1621
Panax quinquefolium 343
 Parasite plants 812
Parthenium hysterophorus 737
 Passivation materials 584
 Patagonia 1041
 Pathogenesis 1033
 Pathogenicity 707, 751
 Pathogenicity assay 29
 Pathogens 812
 PcoA 1149
 PCR-RFLP 398
 Peach 1325
 Pecan 1417
 Peony 255
 Percent disease index 531
 Perennial weed 195
 Pesticide 699
Petunia hybrid 651
 pH 1187
 Phenol 1187
 Phenolic contents 987
 Phenolics release 1196
 Phenology 1558
Phleum pratense L. cv. Minshan 352
Phoenix dactylifera 631, 1754
 Phosphatases 1763
 Phosphate solubilization 1439, 1763
 Phosphorus 1242, 1340
 Phosphorus contents 1417
 Phosphorylation 1551
 Photosynthesis 179, 343, 1070, 1125, 1167, 1273, 1681
 Photosynthetic characteristics 799
 Photosynthetic pigments 987
 Photosystem 1692
 Phylogenetic relationship 743, 1601
 Phylogeny 663, 1582
 Phylogeography 671
 Physico-chemical quality 1217
 Physiological activity 1089
 Physiological change 43
 Physiological changes 545
 Physiological characteristics 645, 769, 1309
 Physiological indicators 1708
 Physiological traits 553
 Phytoalexins 1855
 Phyto-chemicals 1781
 Phytohormones 319, 714
 Phytomonitoring 953
 Phytopathogenic diversity 1815
Phytophthora infestans 154
 Phytoremediation 603
 PI3K/Akt 434
Pichia pastoris 1357
 Pigeon 1210
 Pigment content 531
Pistia stratiotes 1340
 Plant biomass 304, 857
 Plant chitinase 812
 Plant extracts 1157
 Plant extracts in nanotechnology 461
 Plant growth 1497
 Plant hormones 1520

Plant lipids 863
 Plant nutrient 165
 Plant spacing 1142
 Plant-microbe interaction 1497
 Plant-nematode interaction 610
 Plastic film mulch 1543
PINAC2 979
Poacynum pictum 1393
 Pollination 1053
 Pollinator 1053
 Pollution 1633
 Polyamines 171
 Polyisoprenoids 1098
 Polymorphism 263, 1371
 Polyphenols 1607
 Polyprenol 1098
 Poplar 304
 Population genetic 1815
 Population structure 17
 Population structure analysis 238, 563
Portulaca oleracea 1309
 Postharvest 486
 Potassium deficiency 214
 Potassium fertilizer 391
 Potato 1315
 Powdery-fruit disease 1077
PR genes 154
 Principal component analysis 133
 Production 68
 Production performance 876
 Prokaryotic expression 945
 Promoter 299
 Protein and oil 493, 1715
 Protein contents 1286
 PSI maximum fluorescence signal 1692
 PSII 849
 PSII photochemical activity 531
Puccinellia tenuiflora 207
 Pulsed electric field 85
 Punjab 112
 Pyriproxyfen 279
 Pyrosequencing 794
qDTY 1835
 qPCR 575
 QTL mapping in cotton 17
 QTL mapping 1363
 Qualitative and quantitative traits 405
 Quality formation 447
 Quantitative trait loci 1723
 Quantum dots 273
 Quinoa 441, 603
 R1-MYB transcription factor 11
 Radiation-use-efficiency 1279
Ralstonia solanacearum 1533
 Rape-rice rotation 584
 Reactive oxygen species 553
 Receptor-like kinase 1226
 Reciprocal swapping 1855
 Recurrent selection 1655
Rehmannia glutinosa 591, 1196
 Remained leaves number 1423
 Renal fibrosis 1665
 Repeat analysis 743
 Reproductive strategy 188
 Resistance 909, 1815
 Reticular response 454
 Rhizobacterial inoculation 1763
Rhizoctonia bataticola 1401
 Rhizosphere soil 1325
Rhododendron pulchrum 1464
Rht 1601
Ribes nigrum 945
 Ribosomal DNA 1621
 Rice (*Oryza sativa* L.) 769
 Rice 823, 969, 1233, 1723, 1835
 Rice-wheat rotation 165
 Ricinus communis 953
 RNA-Seq 101, 575, 783, 900, 969, 1795
 Roe deer 671
 Root architecture 1383
 Root colonization 1439
 Root exudates 1340
 Root growth 645
 Root morphology 201, 1681, 1823
 Root restriction 385
 Root rot 1401
 Root transformation 651
 ROS 43, 333
 ROS scavenging 154
 Rosaceae 545
 Row spacing pattern 145
 RT-PCR 304
 Rumen fermentation 1025
 Rumen microorganism 1025
 Rust disease 1393
 S₁ and S₂ lines; heritability 1806
Saccharum spp. 311
 Salicylic acid 214, 1157
 Saline water irrigation 117
 Saline-alkali stress 1708
 Salinity 1226, 1715
 Salinity and drought 714
 Salinity stress 1226
 Salinity tolerance 1672
 Salt stress 117, 207, 319, 479, 769, 1309
 Salt tolerance 1061
 Saponins 1607
 Satellite DNA 1457
 Saudi Arabia 1084
SbSKC1 gene 304
 Scanning electron microscope 1089
 Screening 311, 685
 Screening peanut strains 1708
 SDS-PAGE 1788
 Secondary metabolism 125, 730, 918
 Seed desiccation 377
 Seed development 927, 1115
 Seed moisture content 377
 Seed yield 1558
 Seedbed 343
 Seedling growth 377
 Seedlings growth 1417
 Segregation 755
Selaginella uncinata 1665
Selaroides leptolepis 454
 Selection differential 1806
 Selenium 1293
 SEM 1449
 Sensorial evaluation 486
 Sequence analysis 751
 Sero-prevalence 366
 Sesame 1479, 1763
Setaria italica 405
 Shading 333
 Sheep 517
 Sheep farming 794
 Short-term fallow 1573
 Signal pathway 1033
 Signal transduction 591
 Simple sequence repeats
 molecular marker 1363
 Single nucleotide polymorphism 794
 Single segment substitution lines (SSSLs) 1723
 Sink strength 385
 Site-directed mutagenesis 1351
 SLAF-seq 511
SLB3 gene 479
 Small fruits 486
 Snap bean 461
 SNPs, mutations 285
 Sodium nitrate 838
 Soil 35, 391, 663, 953
 Soil amendment 961
 Soil available Cu 584
 Soil bacteria 1325
 Soil cadmium morphology 1006
 Soil Cu immobilization 584
 Soil depth 77

Soil enzyme activity 538
 Soil fertility 1573
 Soil health 1041
 Soil microbial biomass 1335
 Soil microbial community 59
 Soil microorganism 538
 Soil moisture 59
 Soil moisture content 201
 Soil nutrient elements 1649
 Soil nutrients 165
 Soil organic carbon 857
 Soil organic carbon fractions 77
 Soil particle proportion 1649
 Soil physical properties 1265
 Soil profile 229
 Soil respiration 857
 Soil salinity 319
 Soil services 1107
 Soil structure 229
 Soil texture 1301
 Soil water content 935
Solanum tuberosum 1533
 Sole cropping 1383
 Soluble solids 486
 Soluble sugar 247
 Solution pH 645
Sonchus oleraceus 1376
 Sonication 1449
 Sorghum 538, 737
 Sowing methods 1527
 Soybean 493, 799, 1715
 SPAD 1070
 Spatiotemporal expression 945
 Species identification 398
 Spinach 1845
 Spleen 783
 SSR 1149, 1601
 SSR markers 17, 1371
 SSRs 563
 Stable aggregates 229
 Stable isotopes 935
 Stem 255
 Stem characters 1383
 Stem extract 441
 Stem growth 371
 Stomatal closure 154
 Straw 1017
 Straw incorporation 77
 Straw returning mode 857
 Strength 255
 Strip intercropping 799
 STS/SSR markers 1233
StWRKY2 154
 Subcellular localization 1196
 Succeeding cycles 1806
 Sugars 486
 Sunflower 1672
 Sunflower breeding 51
 Superior and inferior spikelet 1409
 Supermarkets 1565
 Supplemental irrigation 1135
 Sustainability 1286
 Sweet potato 201
 SYBR Green -RT-PCR 1773
 Synergistic effect 1401
 Synergistic interactions 725
 Synonymous codon usage 352, 676
 Synthetic hexaploid wheat 621
Takifugu rubripes 783
 Target genes 1115
 Tartary buckwheat 1409
 Telomeric repeats 1457
 Temperature 1187
 Terminal heat stress 238
 Terpenoid indole alkaloid 1520
 The exogenous NO 1520
 Thiamethoxam 279
 Tillage 195, 229
 Tillage methods 1265
 Tissue culture 1754
 Titratable acids 486
 Tobacco 645, 909
 Tobacco production 1301
 Tocher's method 311
 Tomato 117, 891, 961, 1732
 Total antioxidative capacity 1251
 Tow-step TaqMan rRT-PCR 1773
 Toxicity 273, 279
 Traffic 953
 Traffic load 987
 Transcription factor 479, 762, 1479, 1795
 Transcriptome 1479
 Transcriptome 333, 447, 909, 1479
 Transcriptome analysis 900
 Transgenic tomato 221
 Transpiration model 117
 Tree peony 385
Trichoderma dorotheae 831
 Trichogrammatidae 1084
 Trichomes 359
Triticum aestivum 145, 179, 1439
Tumidiclava 1084
 Turnover rate 68
 TYLCV 1513
 Underground biomass 876
 Unilateral ureteral obstruction 1665
 UPEC 1614
 Urea 838
 Vacuole membrane 1258
 Variations 285
 Vehicular pollution 953
 VIGS 479
Viola cornuta 1149
Viola x wittrockiana 1149
 Virulence 725
 VM-PPase, VM-ATPase 1258
 Volatile organic compounds 918
VvCIPK10 299
 Wall component 255
 Water availability 188
 Water reuse 1286
 Water status 1823
 Water stress 1497
 Water treatments 891
 Water use efficiency 1135, 1226, 1527
 Water use strategy 935
 Water-limited 1835
 Waterlogging duration 179
 Water-phosphorus coupling 876
 Water-saving condition 145
 Water-use-efficiency 1279
 Wax biosynthesis 863
 Weed resistance 1469
 Weed suppression 1178
 Weeds 1142
 Western blot 1788
 Wheat 263, 273, 333, 610, 1258, 1293, 1591, 1601, 1633
 Wheat growth 714
 Wheat rust 621
 White mold 1815
 Wide-pH-range 429
 Winter wheat 1135
Xoo K1 strain 1233
 Yeast 207
 Yellowhorn 676
 Yield 263, 714, 799, 1167, 1217, 1409, 1681, 1708
 Yield and quality 1423
 Yield and yield components 145
 Yield gap analysis 1543
 Yield growth 603
 Yield parameters 1265
Zea mays 691, 1655, 1806
Zea mays 691
Zeugodacus cucurbitae 725
 Zinc 953, 1417
 Zinc sulphate 1089
 Zingiberaceae 831
Zinnia elegans 214
 ZIP 1533
 Zn solubilization 691