

## Annual index: Scientific names

### A

- Abelmoschus esculentus*, 7, 169  
*Abutilon* sp., 169  
*Abutilon theophrasti*, 49  
*Acalolepta vastator*, 262, 264  
*Acer platanoides*, 265  
*Acer rubrum*, 603  
*Acholeplasma laidlawii*, 249, 251, 252  
*Acinetobacter*, 55  
*Aconurella nuristana*, 225, 227, 229  
*Aconurella prolixa*, 225, 226  
*Acrolepiopsis assectella*, 341  
*Acronicta aceris*, 341  
*Acronicta alni*, 341  
*Acyrtosiphon pisum*, 16, 218, 222, 563, 571, 573, 575  
*Adelgests ugae*, 264  
*Adonia variegata*, 212  
*Adoxophyes orana*, 154, 606, 614  
*Aegilops speltoides*, 405  
*Aeolesthes sarta*, 257, 258, 260, 264, 264, 266  
*Aeroppia adjacens*, 307  
*Agapanthus africanus*, 196, 198  
*Agasicles hygrophila*, 76, 82, 84  
*Agistemus*, 409  
*Agonoscena pistaciae*, 747, 748, 756  
*Agrilus planipennis*, 262, 263, 265  
*Agrobacterium tumefaciens*, 85, 89, 90, 92, 93  
*Agromyza*, 106  
*Agropyron intermedium*, 60  
*Agropyron repens*, 324  
*Agrotis ipsilon*, 163  
*Agrotis vestigialis*, 339  
*Agrypon canaliculatum*, 165  
*Alcea rosea*, 169  
*Alcea* sp., 169  
*Aleurodicus dispersus*, 272, 274  
*Aleyrodes proletella*, 273  
*Allium hirtifolium*, 191  
*Allium noeanum*, 191  
*Allium sativum*, 540  
*Allogamasellus* sp., 589, 590, 593, 594, 604  
*Aloe vera*, 190, 195, 352, 360  
*Alternaria alternata*, 725  
*Alternaria macrospora*, 719, 721, 724, 726  
*Alternaria*, 40, 431, 437, 439, 440, 721, 722, 725  
*Althaea rosea*, 169  
*Ambrosia artemisiifolia*, 82, 84, 222, 223  
*Amictus pictus*, 186  
*Amygdalus communis*, 650  
*Amygdalus lycioides*, 646, 647, 650  
*Anagalis arvensis*, 190  
*Anagyrus kamali*, 275  
*Anagyrus pseudococci*, 275  
*Anastoechus*, 186  
*Aneucelis incidens*, 157, 162, 163  
*Anigozanthos*, 725  
*Anisobas cingulatellus*, 157, 160, 337, 340, 345, 346, 349, 350  
*Anisopteromalus calandrae*, 81  
*Anoda cristata*, 725  
*Anomalon cruentatum*, 157, 159, 162  
*Anomaloppia mazandaranica*, 308  
*Anomaloppia ozkani*, 308  
*Anomalopthilus*, 184  
*Anoplophora glabripennis*, 262, 263, 265  
*Antennoseius (Antennoseius)*, 589, 591, 599, 600, 602, 604  
*Antennoseius (Antennoseius) bacatus*, 589, 591, 604  
*Antennoseius (Antennoseius) masoviae*, 589, 591, 604  
*Antheraea assamensis*, 370  
*Anticarsia gemmatilis*, 7, 369  
*Antirrhinum majus*, 191  
*Anystipalpus*, 600, 602  
*Apaeleticus americanus*, 345  
*Apaeleticus bellicosus*, 337, 339, 340, 343, 345, 346, 349, 350  
*Apaeleticus brunnescens*, 346  
*Apaeleticus hungaricus*, 346  
*Apaeleticus krieckbaumeri*, 346  
*Apaeleticus nigriventris*, 346  
*Apaeleticus tonkinensis*, 346  
*Apanteles galleriae*, 555  
*Aphelinus albipodus*, 572  
*Aphelinus mali*, 390, 391  
*Aphidius colemani*, 389, 391, 570, 574  
*Aphidius ervi*, 389, 391, 570, 572, 573  
*Aphidius gifuensis*, 585, 735  
*Aphidius matricariae*, 390, 558, 570, 573, 574  
*Aphidius smithi*, 572  
*Aphidius sonchi*, 389  
*Aphidius transcaspicus*, 558  
*Aphidius urticae*, 571  
*Aphidius uzbekistanicus*, 570, 571  
*Aphidius*, 389, 558, 572, 585, 735  
*Aphidoletes aphidimyza*, 391  
*Aphis craccivora*, 11, 13, 15, 218, 222, 223, 570, 573

*Aphis fabae*, 11, 13, 14, 217, 218, 220, 223, 224, 273, 390, 570, 573, 735  
*Aphis glycines*, 222, 574  
*Aphis gossypii*, 11, 13, 16, 231, 239, 240, 272, 275, 389, 391, 435, 570, 574, 583, 585, 586, 737  
*Aphis pomi*, 389  
*Aphis punicae*, 11, 14  
*Aphomia sociella*, 340  
*Apis mellifera*, 237  
*Apis*, 233, 237, 727  
*Apriona germari*, 262  
*Aprostocetus deobensis*, 199, 201  
*Aprostocetus mycerinus*, 199, 201  
*Aprostocetus procerae*, 200  
*Arabidopsis thaliana*, 640  
*Arachis hypogaea*, 737,  
*Arctoseius cetratus*, 589, 590, 600, 604  
*Argiope pulchella*, 233  
*Argyreia speciosa*, 361  
*Aricia agestis*, 340  
*Artemisia herba alba*, 493, 494  
*Artemisia iwayomogi*, 495  
*Artemisia pallens*, 699, 702  
*Artemisia scoparia*, 471, 474  
*Artemisia sieberi*, 471, 474  
*Arthrobotrys conoides*, 667, 670, 671, 673, 674  
*Arthrobotrys oligospora*, 667, 671, 673, 674, 667  
*Arvensis*, 110, 488, 490, 493  
*Arvicola terrestris*, 595  
*Asca*, 598, 602  
*Aschersonia placenta*, 318  
*Aspergillus flavus*, 40, 44, 54, 352, 359, 737  
*Aspergillus fumigatus*, 504, 507  
*Aspergillus niger*, 40, 193  
*Aspergillus parasiticus*, 484  
*Aspergillus*, 297, 352, 359, 360, 504, 506, 507  
*Aspermy virus*, 541  
*Aurantius*, 200  
*Aureobasidium pullulans*, 623, 624  
*Austroppia*, 301, 307  
*Avena sativa*, 194, 324  
*Avicennia marina*, 520  
*Azadirachta indica*, 7, 238, 359, 377  
*Azolla filiculoides*, 557, 559, 561  
*Azotobacter chroococcum*, 52, 54

## B

*Bacillus subtilis*, 44, 50, 55, 623  
*Bacillus thuringiensis*, 7, 432, 437  
*Bacillus*, 44, 55, 383, 436, 438, 745  
*Bacterocera dorsalis*, 212  
*Bacterocera cucurbitae*, 554

*Barichneumon derogator*, 337, 340, 344, 346, 349, 350  
*Barley yellow dwarf virus*, 745  
*Bathythrix maculata*, 346  
*Bean yellow mosaic virus*, 533  
*Beauveria bassiana*, 313, 320, 583, 586, 672, 682, 684, 688, 690  
*Beauveria brongniartii*, 317  
*Beauveria*, 313, 314, 318, 586, 675, 678, 681, 682, 686, 690  
*Bellardia*, 191, 192  
*Bemisia tabaci*, 74, 79, 80, 231, 239, 240, 584, 585  
*Berberis*, 321, 324  
*Berniniella bicarinata*, 30  
*Berniniella iranica*, 307  
*Berniniella*, 301, 306, 309  
*Beta vulgaris*, 705  
*Binodoxys communis*, 574  
*Bipolaris bicolor*, 498  
*Bipolaris cynodontis*, 497, 501  
*Bipolaris maydis*, 505  
*Bipolaris oryzae*, 497, 506, 508  
*Bipolaris sorghicola*, 498  
*Bipolaris sorghicola*, 504  
*Bipolaris sorokiniana*, 296, 505  
*Bipolaris tetramera*, 498  
*Bipolaris victoriae*, 498, 504, 507  
*Bipolaris*, 497, 498, 500, 504, 508  
*Blattella germanica*, 94  
*Bolitochara obliqua*, 139  
*Bolitophagus reticulatus*, 154  
*Boophilus microplus*, 687  
*Botryosphaeria dothidea*, 39, 41  
*Botrytis cinerea*, 44, 55, 357, 606, 617  
*Brassica juncea*, 634, 635  
*Brassica napus*, 74, 351, 356, 358, 633  
*Brassica oleracea*, 74, 245  
*Brassica rapa*, 251, 254, 361  
*Brassica*, 73, 75, 356, 359, 360, 362, 639, 641  
*Brevicoryne brassicae*, 154, 275, 392, 570, 571, 585  
*Burkholderia cepacia*, 672

## C

*Cactoblastis cactorum*, 735, 736  
*Calendula officinalis*, 189, 191, 195, 196, 198  
*Caliptamus italicus*, 675, 680, 684  
*Callitula ferrierei*, 203  
*Callophrys rubi*, 650  
*Callosobruchus chinensis*, 79  
*Callosobruchus maculatus*, 289, 391, 655, 659, 662, 663, 665, 666  
*Calopteryx splendens*, 211, 213  
*Cameraria ohridella*, 265

- Campyloma livida*, 431, 433, 436, 439, 440  
*Cananga odorata*, 357, 360  
*Candida albicans*, 193, 297  
*Candida membranifaciens*, 617, 622, 625, 626  
*Candida pulcherrima*, 618  
*Candida sake*, 54, 623, 624  
*Candida tropicalis*, 193  
*Candida*, 54, 297, 299, 618, 620, 622, 625, 626  
*Candidatus* 19, 20, 22, 25, 27, 251, 253, 255  
*Capsella bursa, pastoris*, 109, 110  
*Capsicum annuum*, 231, 232, 705  
*Capsicum frutescens*, 329, 330  
*Carum copticum*, 118, 120  
*Catharanthus roseus*, 248, 255  
*Celastrus angulatus*, 114  
*Celosia argentea cristata*, 191, 192  
*Centaurea imperialis*, 191  
*Ceratitidis capitata*, 81, 82, 84  
*Cercospora gossypina*, 435  
*Cercospora*, 109, 111, 433, 435  
*Cheilomenes sexmaculata*, 233  
*Chenopodium amaranticolor*, 535, 536  
*Chenopodium murale*, 297  
*Cheylostigmaeus gharakhanii*, 410, 414, 416  
*Chiasmia clathrata*, 340  
*Chilo partellus*, 288  
*Chilo suppressalis*, 153, 211, 214  
*Chilocorus bipustulatus*, 274  
*Chorebus (Stiphrocera) aphantus*, 97, 99, 101, 104, 105  
*Chorebus (Stiphrocera) uliginosus*, 97, 99, 101  
*Chorebus aphantus*, 97, 99, 101, 104  
*Chorebus denticurvatus*, 106  
*Chorebus flavipes*, 104  
*Chorebus longiventris*, 104  
*Chorebus misellus*, 104  
*Chorebus nanus*, 104  
*Chorebus petiobrevis*, 104  
*Chorebus sativi*, 104  
*Chorebus uliginosus*, 99, 102, 104  
*Chromatomyia horticola*, 97, 98, 101, 104, 105  
*Chromatomyia horticola*, 98, 99, 104, 106  
*Chromatomyia milii*, 104  
*Chromatomyia nigra*, 104  
*Chromoaphis juglandicola*, 570  
*Chrysanthemum morifolium*, 541  
*Chrysomela scripta*, 370  
*Chrysoperla carnea*, 11, 17, 339, 734, 736  
*Chrysoperla oculata*, 17  
*Chrysoperla sinica*, 16  
*Chymomyza costata*, 155  
*Cicer arietinum*, 7, 8, 10  
*Ciconia nigra*, 595  
*Cimbex connata*, 339  
*Cineraria grandiflora*, 191  
*Cinnamomum aromaticum*, 471  
*Citrus grandis*, 191  
*Citrus tristeza*, 744  
*Clarias gariepinus*, 660, 662, 663  
*Clavibacter fangii*, 325  
*Clerodendrum capitatum*, 655, 656, 659, 662, 665, 666  
*Coccinella algerica*, 386, 391  
*Coccinella septempunctata*, 213, 233  
*Coccinella transversalis*, 275  
*Coccinella undecimpunctata*, 273  
*Cochliobolus sativus*, 190, 507  
*Colletotrichum coccodes*, 297  
*Colletotrichum gloeosporioides*, 352, 483, 484, 505, 507  
*Colletotrichum musae*, 195  
*Colletotrichum truncatum*, 318, 319  
*Colletotrichum*, 318, 359, 484, 507  
*Colpognathus celerator*, 643, 647, 650, 652, 654  
*Colpotrochia cincta*, 519, 521, 528, 531, 532  
*Colpotrochia triclitor*, 520, 521, 527, 528  
*Convolvulus arvensis*, 487, 490, 496, 547, 578  
*Corchorus olitorius*, 487, 488, 496  
*Corcyra cephalonica*, 15  
*Coriandrum sativum*, 232, 238, 702  
*Corynoppia kosarovi*, 302, 303  
*Corynoppia*, 301, 302, 307, 311, 312  
*Cosmolaelaps rectangularis*, 586, 589, 591, 604  
*Cotesia plutellae*, 334  
*Cousinia stenocephala*, 191, 194  
*Cratichneumon semirufus*, 346  
*Creontiades biseratance*, 431, 433, 434, 439, 440  
*Creontiades pallidus*, 12, 15, 16  
*Crotalaria juncea*, 241, 243, 245, 246  
*Cryptococcus albidus*, 624  
*Cryptococcus neoformans*, 450, 736  
*Cryptognathus*, 416  
*Cryptolaemus montrouzieri*, 267, 269, 270, 276  
*Cryptolestes ferrugineus*, 113, 116, 154  
*Cryptopygus antarcticus*, 155  
*Cryptus inculcator*, 337, 339, 345, 346, 349, 350, 643, 646, 650, 654  
*Ctenichneumon devylderi*, 337, 341, 346, 349, 350  
*Ctenichneumon edictorius*, 337, 341, 345, 346, 349, 350  
*Cucumber mosaic*, 541  
*Cucumis melo*, 451, 705  
*Cucumis sativus*, 37, 427, 545, 546  
*Cucurbita maxima*, 268, 705, 707  
*Cucurbita pepo*, 419, 420, 426, 705, 707, 709, 710  
*Cucurbita*, 109, 110, 705, 708  
*Cuscuta campestris*, 248, 256  
*Cydia pomonella*, 121, 122, 127, 129, 734

*Cymbopogon martini*, 702  
*Cynodon dactylon*, 159  
*Cyrtisiopsis maculiventris*, 182, 183, 185, 186, 188  
*Cyrtomenus bergi*, 583, 585  
*Cyrtosia persica*, 183, 185, 186, 188  
*Cytospora chrysosperma*, 448  
*Cytospora schulzeri*, 441, 443, 445, 446, 449, 452  
*Cytospora*, 441, 442, 448, 450

## D

*Dacnusa (Aphanta) hospita*, 97, 99, 102, 104, 108  
*Dacnusa areolaris*, 104  
*Dacnusa cicerina*, 107  
*Dacnusa laevipectus*, 104  
*Dacnusa maculipes*, 104  
*Dacnusa nipponica*, 104  
*Dacnusa rodriguezii*, 104, 106  
*Dacnusa sasakawai*, 104  
*Dacnusa sibirica*, 104  
*Dacnusa*, 97, 99, 102, 104, 107  
*Dactylopius tomentosus*, 272, 273  
*Dahlia* sp., 191, 192  
*Dapsilarthra rufiventris*, 104  
*Datura stramonium*, 471, 472  
*Daucus carota*, 494  
*Debaryomyces hansenii*, 624  
*Dendrolimus punctatus*, 179  
*Dermacentor variabilis*, 688  
*Dermestes maculatus*, 660, 662, 663  
*Descurainia sophia*, 646, 650  
*Diachasmimorpha longicaudata*, 573  
*Diadegma mollipla*, 390  
*Diadegma pusio*, 163, 651  
*Diadegma semiclausum*, 643, 646, 650, 654  
*Diadromus collaris*, 157, 160, 337, 341, 345, 346, 349, 350, 643, 647, 654  
*Diaeretiella rapae*, 569, 570, 573, 574  
*Dianthi phathosystem*, 195  
*Dianthus caryophyllus*, 195  
*Dianthus gratianopolitanus*, 540  
*Diaphorina citri*, 211, 213  
*Diaprepes abbreviatus*, 586  
*Diatraea lineolata*, 737  
*Dicaelotus montanus*, 346, 347, 652  
*Dichrogaster longicaudata*, 337, 339, 345, 346, 349, 350  
*Dichrogaster saharator*, 337, 339, 346, 349, 350, 643, 654, 646  
*Dicrogaster saharator*, 650  
*Dictyota bartayresiana*, 298  
*Didymella bryoniae*, 424  
*Dimorphandra mollis*, 7, 369  
*Dioscorea rotundata*, 484, 540

*Diplazon laetatorius*, 157, 159, 164, 643, 646, 654  
*Diplodia seriata*, 41  
*Dischistus*, 186  
*Discoppia (Cylindroppia) cylindrica*, 306  
*Discoppia*, 301  
*Dissorhina ornata*, 301, 306  
*Ditylenchus dipsaci*, 223  
*Diuraphis noxia*, 212, 569, 573, 574  
*Drosophila buzzatii*, 81  
*Drosophila lummei*, 212  
*Drosophila melanogaster*, 15, 74  
*Drosophila serrata*, 211, 213  
*Drosophila triauraria*, 81  
*Drosophila*, 80, 81, 211, 213  
*Drymonia ruficornis*, 339  
*Dysaphis crataegi*, 213  
*Dysdercus koenigii*, 238

## E

*Earais vitella*, 432  
*Echinochloa crus, galli*, 487, 490, 492, 493, 496  
*Ectomyeloides ceratoniae*, 211, 213  
*Eisenia fetida*, 692  
*Elaeagnifolium*, 487, 490, 494, 495  
*Elaeagnus angustifolia*, 191, 192, 257  
*Elasmopalpus lignosellus*, 734, 737  
*Elasmus alaris*, 199  
*Elasmus albopictus*, 202  
*Elasmus bathyskius*, 199  
*Elasmus brevicornis*, 202  
*Elasmus johnstoni*, 202,  
*Elasmus neoflavescens*, 199  
*Elasmus phthorimaeae*, 199, 201, 202  
*Elasmus scutellofurvus*, 199  
*Elasmus sugonjaevi*, 202  
*Elasmus zatonus*, 199  
*Elasmus*, 200, 204, 206  
*Embryonopsis halticella*, 152, 154  
*Empidideicus amicus*, 182, 184, 186, 188  
*Empidideicus asiaticus*, 184  
*Empidideicus ebellicus*, 185  
*Empidideicus formosus*, 182, 184, 200  
*Empidideicus greatheadii*, 184  
*Empidideicus matricarius*, 185  
*Empidideicus persicus*, 184  
*Empidideicus sugonjaevi*, 184  
*Empidideicus turkestanicus*, 184  
*Empidideicus unicus*, 184  
*Empoasca vitis*, 586  
*Endopiza viteana*, 606  
*Enizemum ornatum*, 157, 159, 643, 647, 650, 654  
*Enterobacter agglomerans*, 44, 50, 53

*Enterococcus faecalis*, 86  
*Entomophthora turbinata*, 386  
*Ephedrus cerasicola*, 390, 558  
*Ephestia cautella*, 80  
*Ephestia kuehniella*, 515  
*Eriosoma lanigerum*, 391  
*Erodiontes aelleni*, 208  
*Erodiontes pfaundleri*, 208  
*Erwinia amylovora*, 54, 55  
*Erwinia herbicola*, 46, 50, 52, 54  
*Erygaster integriceps*, 680, 682, 684  
*Erysimum cheiranthoides*, 7  
*Escherichia coli*, 249, 739, 740, 744, 746, 745  
*Etched ring caulimovirus*, 534  
*Etiella zinckenella*, 203  
*Euandrolaelaps karawaiewi*, 589, 591, 604  
*Eucalyptus camaldulensis*, 265  
*Eugenia jambos*, 238  
*Euphorbia*, 111, 191  
*Euphyllaepagus pakistanica*, 571  
*Euproctis chrysorrhoea*, 313, 314, 316, 318, 320  
*Eurosta solidaginis*, 154  
*Eurygaster integriceps*, 211, 214, 571, 676  
*Eustigmaeus nasrinae*, 411  
*Eustigmaeus segnis*, 410  
*Eustigmaeus setiferus*, 410, 415  
*Eustigmaeus uechermanii*, 410  
*Eustigmaeus ueckermanni*, 411, 415  
*Eustigmaeus*, 409, 410, 415  
*Eustigmeus nasrine*, 410  
*Eutanyacra picta*, 346  
*Euthrips inconsequens*, 70  
*Euthrips pyri*, 70  
*Ewingella*, 51  
*Exetastes adpressorius*, 643, 645, 646, 650, 654  
*Exetastes syriacus*, 157  
*Exochus britannicus*, 521, 528  
*Exochus castaniventris*, 157, 159, 162, 521, 526, 528  
*Exochus gravipes*, 519, 521  
*Exochus mitratus*, 521, 526, 528  
*Exochus suborbitalis*, 519, 521, 524, 527, 531, 532  
*Exoprosopa dispar*, 181, 183  
*Exoprosopa minos*, 182, 185  
*Exserohilum rostratum*, 498  
*Exserohilum turcicum*, 505, 507

## F

*Fagus sylvatica*, 601  
*Falcata marginidentata*, 306  
*Fasciata fasciata*, 308  
*Favognathus amygdalus*, 409, 410  
*Favognathus cordylus*, 409, 410, 414, 418

*Favognathus distortus*, 410, 414  
*Favognathus gersoni*, 410, 415  
*Favognathus luxton*, 414  
*Ferrissia virgata*, 431, 433, 434  
*Ferulago angulata*, 374, 380  
*Festuca* sp., 324  
*Ficus carica*, 109, 110, 596  
*Ficus exasperate*, 663  
*Foeniculum vulgare*, 701  
*Fragaria ananasa*, 699  
*Frankliniella occidentalis*, 69, 627, 630, 632  
*Fraxinus pennsylvanica*, 263, 264  
*Fumaria officinalis*, 191  
*Fusarium chlamydosporum*, 725  
*Fusarium culmorum*, 44, 54  
*Fusarium equiseti*, 672  
*Fusarium graminearum*, 455  
*Fusarium moniliforme*, 44, 54  
*Fusarium oxysporum* f. sp. *Pisi.*, 196, 198  
*Fusarium oxysporum* f. sp. *Radicis, lycopersici*, 36  
*Fusarium oxysporum* f. sp. *Vasinfectedum*, 37  
*Fusarium oxysporum* f.sp. *Lycopersici*, 29, 37, 381  
*Fusarium oxysporum*, 29, 30, 36, 37, 54, 189, 193, 316, 318, 351, 353, 362, 381  
*Fusarium pallidoroseum*, 725  
*Fusarium proliferatum*, 453, 459  
*Fusarium verticillioides*, 453, 459, 460  
*Fusarium*, 29, 32, 35, 37, 190, 191, 194, 195, 298, 360, 424, 436, 453, 454, 459, 460, 498, 504, 506, 668, 725

## G

*Gaeolaelaps aculeifer*, 592  
*Gaeolaelaps gillespiei*, 595  
*Gaeolaelaps minor*, 589, 592, 604  
*Gaeolaelaps oreithyiae*, 592  
*Gaeolaelaps*, 592, 595, 599, 602, 604  
*Gaeumannomyces graminis*, 351, 353, 356, 381  
*Gaillardia grandiflora*, 191  
*Galleria mellonella*, 553, 676, 680, 684, 727, 730, 732, 735, 738  
*Gamasellodes bicolor*, 589, 590, 602, 604  
*Gelis exareolatus*, 346  
*Gelis kermaniae*, 345, 346  
*Gelis liparae*, 346  
*Gibbago trianthemae*, 724  
*Glabellula humeralis*, 184  
*Gladiolus dalenii*, 540  
*Gladiolus primulinus*, 541  
*Gladiolus*, 533, 534, 541, 543, 544  
*Gliricidia sepium*, 244  
*Globodera rostochiensis*, 380, 381

*Glomus mosseae*, 36, 382, 691, 701, 704  
*Glycaspis brimblecombei*, 263, 265  
*Glycine max*, 43, 222  
*Glycyrrhiza glabra*, 190, 374, 380  
*Gnorimoschema absoluta*, 516  
*Gossypioides kirkii*, 169,  
*Gossypium arboreum*, 432  
*Gossypium barbadense*, 169  
*Gossypium herbaceum*, 169  
*Gossypium hirsutum*, 432  
*Gossypium*, 169, 432, 554, 725  
*Graptoppia (Apograptoppia) foveolata*, 307  
*Gymnolaelaps canestrinii*, 589, 593, 604  
*Gymnolaelaps obscuroides*, 593, 604  
*Gymnolaelaps*, 593, 598, 604

## H

*Habrobracon hebetor*, 153  
*Haemolaelaps fenilis*, 589, 592, 604  
*Haemolaelaps schusteri*, 589, 592, 594, 604  
*Haemolaelaps shealsi*, 589, 593  
*Haemolaelaps*, 589, 590, 592, 594, 604  
*Hafnia alvei*, 55  
*Hafnia*, 51  
*Haliaeetus albicilla*, 597  
*Haplophyllum acutifolium*, 196, 198  
*Haplophyllum perforatum*, 189, 191, 192  
*Haplophyllum sieversii*, 195  
*Haplophyllum tuberculatum*, 196, 198  
*Haritalodes derogata*, 167, 169  
*Haritalodes*, 167, 168, 170, 172  
*Harmonia axyridis*, 273, 275  
*Harmonia dimidiata*, 737  
*Harzianum*, 29, 30, 32, 35, 37, 293, 294, 300, 378,  
 382, 383, 459, 460  
*Helicoverpa armigera*, 1, 4, 8, 10, 15, 74, 79, 81,  
 173, 174, 211, 213, 334, 335, 369, 431, 435, 554,  
 641, 650, 653  
*Heliiothis virescens*, 553  
*Heliiothis*, 2, 7, 8, 10, 586  
*Helminthosporium sativum*, 506  
*Hemiptarsenus unguicellus*, 202  
*Hemiptarsenus zilahisebessi*, 107  
*Hemiptarsenus*, 199, 200, 202, 203  
*Heteranthera limosa*, 558, 560  
*Heterischnus filiformis*, 157, 159, 161, 341, 346,  
 349, 350  
*Heterodera glycines*, 671  
*Heterodera schachtii*, 668, 672  
*Hevea brasiliensis*, 477, 483, 486  
*Hibiscus basipunctalis*, 168, 169  
*Hibiscus cannabinus*, 169

*Hibiscus derogata*, 168, 169  
*Hibiscus mutabilis*, 167, 169  
*Hibiscus parviformis*, 169  
*Hibiscus rosa sinensis*, 169  
*Hibiscus sabdariffa*, 169  
*Hibiscus syriacus*, 167  
*Hibiscus wailesellae*, 107  
*Hippodamia convergens*, 155  
*Hippodamia variegata*, 207, 213, 215, 216  
*Hippodamia*, 152, 207, 212, 213, 215, 216  
*Hishimonus phycitis*, 25  
*Homalodisca vitripennis*, 584  
*Homotropus nigritarsus*, 157, 159, 643, 647, 654  
*Homotropus signatus*, 157, 159, 643, 647, 652  
*Hoplodrina ambigua*, 339  
*Hordeum vulgare*, 159, 427, 702  
*Hromatomyia horticola*, 97  
*Hyalopterus pruni*, 273  
*Hybrizon buccatus*, 652  
*Hydrellia griseola*, 104  
*Hydrellia nigripes*, 104  
*Hypoaspis*, 602  
*Hypocrella raciborskii*, 318  
*Hyromyzus lactucae*, 389

## I

*Ichneumon sarcitorius*, 643, 647, 650, 654  
*In vitro*, 29, 30, 35, 43, 47, 51, 53, 85, 88, 191, 193,  
 196, 287, 291, 292, 297, 299, 319, 353, 356, 357,  
 360, 477, 479 483, 485, 533, 536, 539, 542, 553,  
 663, 687, 689  
*In vivo*, 46, 47, 52, 85, 87, 88, 93, 189, 194, 196,  
 197, 292, 296, 297, 357, 360, 477, 485, 735, 744  
*Inachis io*, 341  
*Incidens aneuclis*, 163  
*Inonotus obliquus*, 359  
*Inula viscosa*, 382  
*Ipomoea batatas*, 245, 737  
*Ipomoea triloba*, 737  
*Isaria fumosorosea*, 316  
*Itis vinifera*, 606  
*Itoplectis alternans*, 157, 162  
*Itoplectis tunetana*, 157, 162  
*Ixodes scapularis*, 688

## J

*Jasminum multiflorum*, 374  
*Juglans regia*, 257, 264

## K

*Kermania pistaciella*, 348  
*Knautia arvensis*, 251, 252  
*Kydia calycina*, 169

## L

*Laelaspis kamalii*, 589, 593, 594, 604  
*Laelaspis missouriensis*, 589, 604  
*Lagenaria siceraria*, 705, 707, 709, 710  
*Laphrygma exigua*, 335  
*Lariophagus distinguendus*, 81  
*Lasiobelba (Antennoppia) heterosa*, 307  
*Lasiobelba (Lasiobelba) neonominata*, 307  
*Lasiobelba*, 301, 307  
*Lasiodiplodia theobromae*, 41  
*Lasioseius youcefi*, 589, 591, 604  
*Lauropopia doris*, 306  
*Lauropopia falcata marginedentata*, 306  
*Lauropopia iranica*, 306  
*Lauropopia persiangulfa*, 306  
*Lauropopia tenuipectinata*, 306  
*Ledermolleriopsis zahiri*, 410, 412  
*Legionella pneumophila*, 736  
*Leishmania major*, 299  
*Leptinotrasa decemlineata*, 473  
*Leptosphaeria*, 498  
*Leptosphaeria maculans*, 505  
*Leucostoma cinctum*, 442, 449  
*Leucostoma parapersoonii*, 449  
*Leucostoma persoonii*, 449, 450  
*Leucostoma*, 441, 448, 449, 451  
*Leylaiya aquilonia*, 184  
*Liberobacter asiaticus*, 19  
*Lilium bulboscales*, 542  
*Lilium elegans*, 534  
*Lipaphis erysimi*, 15, 16, 570  
*Liriomyza cicerina*, 107  
*Liriomyza huidobrensis*, 74, 81  
*Liriomyza sativae*, 106, 153  
*Liriomyza strigata*, 104  
*Liriomyza trifolii*, 105, 106  
*Liriomyza*, 74, 104, 106, 515  
*Lobesia (Polychrosis) botrana*, 341  
*Lobesia botrana*, 163, 608, 605, 616  
*Locusta migratoria*, 584  
*Lolium sp.*, 324  
*Lupinus angustifolius*, 572  
*Lycaena phlaeas*, 340  
*Lycopersicon esculentum*, 7, 509, 515, 671, 701  
*Lycopersicon hirsutum* f. *Glabratum*, 7  
*Lycopersicon pennellii*, 428  
*Lycopersicon*, 509, 555

*Lycosa pseudoannulata*, 233  
*Lygus*, 129  
*Lymantria dispar*, 7, 334, 367, 369  
*Lysandra coridon*, 340  
*Lysibia nana*, 337, 339, 345, 346, 349, 350  
*Lysiphlebus fabarum*, 390, 558  
*Lysiphlebus testaceipes*, 390, 570

## M

*Macaria liturata*, 340  
*Maconellicoccus hirsutus*, 268, 272, 273, 275  
*Macrolophus caliginosus*, 513  
*Macrophomina phaseolina*, 43, 56, 58, 292, 293, 434, 435, 439, 440  
*Macrosiphoniella sanborni*, 586,  
*Macrosiphum (Sitobion) miscanthi*, 212  
*Macrosiphum albifrons*, 16  
*Magnaporthe grisea*, 357, 506, 507  
*Magnaporthe oryzae*, 506  
*Mahonia*, 321  
*Malus domestica*, 617  
*Malus floribunda*, 191  
*Malus pumila*, 441  
*Malva neglecta*, 99  
*Malva spp.*, 510  
*Mamestra brassicae*, 154  
*Manduca sexta*, 687, 689  
*Matricaria reculita*, 700, 701  
*Medicago sativa*, 159, 160, 162, 340, 341, 643, 646, 647, 654  
*Medicago truncatula*, 223  
*Medioppia bipectinata*, 309  
*Megoura viciae*, 275  
*Melampsora epitea*, 326  
*Melanogaster*, 15, 81  
*Melia azadirach*, 377  
*Meligethes aeneus*, 154, 317  
*Meloidogyne hapla*, 377, 672  
*Meloidogyne incognita*, 36, 37, 241, 246, 380, 381, 383, 667, 668, 671, 674  
*Meloidogyne javanica*, 29, 30, 36, 37, 373, 378, 384, 667, 674  
*Meloidogyne*, 29, 30, 35, 37, 55, 241, 242, 244, 246, 373, 377, 382, 667, 671, 673, 702  
*Meringopus sogdianus*, 346  
*Mesostenus albinotatus*, 337, 342, 345, 346, 349, 350  
*Metarhizium acridum*, 688  
*Metarhizium anisopliae*, 317, 319, 578, 580, 582, 583, 586, 678, 687, 689  
*Metarhizium flavoviride.*, 318  
*Metarhizium*, 319, 580, 582, 585, 586, 678, 687, 689

*Metopius (Peltocarus) turcestanicus*, 519, 520, 525, 527, 528, 531, 532  
*Metopius (Peltocarus) vespulator*, 528  
*Metopolophium dirhodum*, 570  
*Metschinkowia pulcherrima*, 624  
*Micraspis* sp., 233  
*Microppia minus*, 301, 306  
*Microsporium canis*, 297  
*Microsporium persicolor*, 297  
*Microtus guentheri*, 596  
*Migratoria migratorioides*, 583  
*Mikania* sp., 254  
*Mimosa pudica*, 374  
*Mniotype adustus*, 341  
*Momordica charantia*, 662  
*Monilinia laxa*, 44, 53  
*Monilinia* sp., 297  
*Monoctonus paulensis*, 569, 571  
*Moritzoppia uncarinata*, 301, 306  
*Morus alba*, alnussub, 257  
*Mosaic virus*, 745  
*Mottle carmovirus*, 534  
*Multioppia (Hammeroppia) wilsoni laniseta*, 309  
*Multioppia (Hammeroppia) wilsoni wilsoni*, 308  
*Multioppia (Multioppia) pakistanensis*, 309  
*Multioppia (Multioppia) radiata*, 309  
*Mycosphaerella*, 110, 111  
*Myrothecium*, 431, 432, 434  
*Myzus persicae*, 11, 390, 391, 577, 580, 582, 585, 588, 739

## N

*Nabis capsiformis*, 16  
*Nasonovia ribisnigri*, 736  
*Neochlamisus bebbianae*, 208  
*Neophottetix virescens*, 212  
*Nephus bisignatus*, 736  
*Nephus includens*, 274, 736  
*Nerium oleander*, 131  
*Nesidiocoris tenuis*, 513, 514, 516  
*Neuronal calcium*, 675  
*Nicotiana clevelandii*, 745  
*Nicotiana rustica*, 540,  
*Nicotiana tabacum*, 510  
*Nipaecoccus viridis*, 268, 274, 275  
*Nymphalis antiopa*, 341

## O

*Ocimum basilicum*, 374  
*Ocimum kenyense*, 663

*Ocimum sanctum*, 238  
*Ocimum tenuiflorum*, 232  
*Oenothera biennis*, 361  
*Oidium parthenii*, 725  
*Onobrychis* sp., 191  
*Onopordum* sp., 191  
*Ootetrastichus*, 199, 201  
*Ophraella communis*, 78, 82, 84  
*Opius*, 105  
*Orius albidipennis*, 554, 572  
*Orius niger*, 553  
*Orseoli oryzivora*, 204, 206  
*Orthocentrus asper*, 643, 647, 654  
*Orthocentrus*, 165, 529, 652  
*Orthotomicus erosus*, 596  
*Oryza sativa*, 199, 497, 560  
*Oryzaephilus urinamensis*, 755  
*Ostrinia nubilalis*, 174, 178, 179  
*Oxyopes* sp., 233  
*Oxyoppia (Dzarogneta) intermedia*, 307  
*Oxyoppia (Dzarogneta) iranensis*, 307, 309  
*Oxyoppia*, 301, 307

## P

*Paecilomyces fumosoroseus*, 317  
*Paecilomyces lilacinus*, 55, 381, 668, 671  
*Paenibacillus* sp., 44, 55  
*Pandora neoaphidus*, 507, 583, 585  
*Panolis flammea*, 339, 341  
*Pantoea agglomerans*, 43, 48, 50, 55  
*Pantoea dispersa*, 56, 58  
*Paracoccidioides brasiliensis*, 687  
*Paracoccus marginatus*, 431, 433, 440  
*Parageron lutescens*, 181, 183, 187  
*Paraphytomyza*, 106  
*Parthenium hysterophorus*, 719, 724, 726  
*Passalora bolleana*, 110  
*Passalora cucurbiticola*, 109, 112  
*Pauesia antennata*, 385, 394  
*Pelargonium reniforme*, 360  
*Pelargonium sidoides*, 360  
*Penicillium digitatum*, 44, 55  
*Penicillium expansum*, 44, 51, 53, 617, 622, 624, 626  
*Penicillium*, 40, 54, 297, 617  
*Perovskia abrotanoides*, 472  
*Perovskia atriplicifolia*, 463, 464, 467, 469, 470, 475, 476  
*Pestalotiopsis* sp., 40  
*Phaedon cochleariae*, 585  
*Phanerochaete chrysosporium*, 744  
*Phaneroserphus calcar*, 139, 140  
*Phaneroserphus punctibasis*, 140



- Phaneroserphus*, 139, 142, 144  
*Pharbitis nil*, 81  
*Phasaeolous vulgaris*, 628  
*Phaseolina*, 43, 48, 50, 56, 58, 291, 294, 296, 297, 300, 431  
*Phaseolus*, 510  
*Phellinus noxius*, 484  
*Phenacoccus medeirensis*, 273, 274  
*Phenacoccus solenopsis*, 274, 431, 439, 440  
*Phlebotomus*, 736  
*Phoenix dactylifera*, 600  
*Pholetes orornigis*, 554  
*Phragmatiphila nexa*, 340  
*Phthiria gaedii*, 182, 183,  
*Phthorimaea operculella*, 202, 516  
*Phyllantus fraternus*, 655, 656, 659, 661, 662, 665, 666  
*Phyllophaga hirticula*, 208, 213  
*Physalis peruviana*, 510  
*Physopus inconsequens*, 70  
*Physothrips pyri*, 70  
*Phytomyza*, 106  
*Phythophtora drechsleri*, 195  
*Phytium aphanidermatum*, 36  
*Phytomyza*, 106  
*Phytophthora capsici*, 705, 709  
*Phytophthora drechsleri*, 705, 707, 709, 710  
*Phytophthora erythroseptica*, 352  
*Phytophthora melonis*, 705, 710  
*Pichia anomala*, 623  
*Pichia guilliermondii*, 618, 624  
*Picris echioides*, 251  
*Picrostigeus setiger*, 643, 648, 651, 654  
*Pictus*, 186, 188  
*Pieris brassicae*, 154  
*Pieris rapae*, 7, 8, 10  
*Pimpla spuria*, 157, 162  
*Pinaceum myrtilosum*, 601  
*Pinus eldarica*, 191  
*Pinus radiata*, 55  
*Pinus roxburgii*, 55  
*Piper guineense*, 660, 663, 664  
*Piriformospora indica*, 691, 692, 702, 704  
*Pistacia vera*, 39  
*Pistia stratiotes*, 560  
*Pisum sativum*, 573  
*Plagioderma versicolora*, 363, 366, 367, 370, 372  
*Planococcus citri*, 267, 270, 272, 274, 276  
*Plantago lanceolata*, 191, 225, 558  
*Plantago major*, 225, 299  
*Plasmodiophora*, 327  
*Platanus*, 257  
*Platypygus melinoproctus*, 182, 183, 185  
*Platypygus*, 185, 186  
*Plebejus argus*, 340  
*Plectrodera scalator*, 262, 265  
*Pleuroptya*, 170  
*Pleurotus ostreatus*, 668, 672  
*Pleurotus*, 668  
*Plodia interpunctella*, 80, 340, 472  
*Plutella maculipennis*, 81  
*Plutella xylostella*, 73, 74, 77, 78, 83, 334, 633, 634, 637, 638, 640, 642, 650  
*Poa* sp., 324  
*Pochonia chlamydosporia*, 668  
*Podisus maculiventris*, 736  
*Podisus nigrispinus*, 571  
*Podosphaera pannosa*, 428  
*Podosphaera*, 326  
*Polerovirus*, 739  
*Polymyxa betae*, 325  
*Polyommatus hispanus*, 340  
*Polyommatus icarus*, 340  
*Polyphagotarsonemus latus*, 231, 235, 239, 240  
*Polysphincta*, 164  
*Pontania proxima*, 163  
*Populus alba*, 363, 368, 371, 372  
*Populus caspica*, 363, 364, 366, 367, 371, 372  
*Populus euramericana triplo*, 367  
*Portulaca oleracea*, 191, 487, 488, 496  
*Potato leafroll virus*, 542  
*Potato virus y*, 542, 744  
*Potyvirus*, 533, 543, 544  
*Praon exoletum*, 754  
*Praon necans*, 558  
*Praon volucre*, 563, 564, 566, 569, 571, 575, 576  
*Pratylenchus loosi*, 382  
*Pratylenchus neglectus*, 356, 360, 672  
*Pratylenchus penetrans*, 377  
*Pratylenchus thornei*, 672  
*Prays oleae*, 613  
*Proctotrupes calcar*, 140  
*Promethes sulcator*, 157, 160  
*Propylea quatuordecimpunctata*, 213  
*Propylea quatuordecimpunctata*, 213  
*Prosopocoilus inclinatus*, 208, 214  
*Prostephanus truncatus*, 113, 288, 289  
*Prunus divaricata*, 558  
*Prunus domestica*, 558  
*Prunus* spp., 557, 561, 562  
*Pseudocercospora sp.* *Pantospora*, 111  
*Pseudocercospora capsellae*, 109, 110  
*Pseudocercosporidium*, 111  
*Pseudococcus viburni*, 267, 273, 275, 276  
*Pseudomonas aeruginosa*, 736  
*Pseudomonas fluorescens*, 37, 50, 51, 54, 373, 374, 378, 379, 381, 383, 384, 459

*Pseudomonas putida*, 381  
*Pseudomonas savastanoi* pv. *Savastanoi*, 24  
*Pseudomonas syringae*, 56, 58  
*Pseudomonas*, 24, 30, 37, 53, 55, 375, 376, 381, 384, 460, 623, 624  
*Pseudoparasitus*, 598  
*Psyllaephagus zdeneki*, 571  
*Pteraulax oldroydi*, 186, 188  
*Pterochloroides persicae*, 385, 393  
*Puccinia andropogonis*, 326  
*Puccinia coronata*, 326  
*Puccinia funkiae*, 325  
*Puccinia graminis* f.sp. *Triticici*, 321, 328, 395  
*Puccinia hemerocallidis*, 325  
*Puccinia hordei*, 406  
*Puccinia patriniae*, 325  
*Puccinia recondita* f. sp. *Triticici*, 44, 54, 321, 323, 325, 328, 395, 405, 408  
*Puccinia striiformis*, 326, 327, 395, 400, 401, 405, 408  
*Pyralis*, 170  
*Pyricularia grisea*, 507  
*Pyricularia* sp., 297  
*Pythium aphanidermatum*, 194, 291, 294, 300, 351, 353, 354, 356, 362, 424  
*Pythium ultimum*, 352, 382, 424, 426  
*Pythium*, 54, 359, 360, 420, 426, 451

## Q

*Quercus branti*, 411, 711, 713, 715, 716, 718  
*Quercus infectoria*, 711, 713, 715, 716, 718  
*Quercus libani*, 711, 713, 715, 716, 718  
*Quercus robur*, 715, 717

## R

*Raffaelea* sp., 297, 298  
*Ramularia areola*, 431, 432, 435, 438, 439  
*Ramularia*, 111, 438, 440  
*Ramusella* (*Insculptoppiella*) *varians*, 307  
*Ramusella* (*Ramusella*) *puertomontensis*, 308  
*Ramusella* (*Rectoppia*) *damavandica*, 308  
*Ramusella* (*Rectoppia*) *mihelcici*, 303, 305, 308  
*Ramusella* (*Rectoppia*) *strinatii*, 308  
*Ramusella abarkouhiensis*, 308  
*Ramusella*, 301, 305, 307, 309, 311, 312  
*Rapa catozza napoletana*, 361  
*Raphanus sativus*, 74, 646, 650  
*Raspberry bushy*, 538  
*Rebaudiana morita*, 702  
*Rhagoletis mendax*, 82, 84  
*Rhammosus*, 624

*Rhamnus dispermus*, 390  
*Rhinoppia* (*Bipectinoppia*) *tasdemiri*, 303, 305, 306  
*Rhinoppia* (*Bipectinoppia*), 301, 303, 305, 306, 310, 312  
*Rhinoppia* (*Rhinoppia*) *obsoleta*, 306  
*Rhinoppia* (*Rhinoppia*) *ordunensis*, 306  
*Rhinoppia* (*Rhinoppia*) *subpectinata*, 306  
*Rhipicephalus sanguineus*, 688  
*Rhipicephalus sarcitorius*, 650  
*Rhizobium meliloti*, 44, 50, 52  
*Rhizoctonia solani*, 36, 44, 291, 293, 300, 351, 353, 431, 434, 435, 439, 440, 451, 483  
*Rhizopus japonicum*, 193  
*Rhizopus stolonifer*, 53  
*Rhizopycnis vagum*, 325  
*Rhodotorula glutinis*, 193  
*Rhodotorula minuta*, 618  
*Rhopalosiphum nymphaeae*, 557, 562  
*Rhyzopertha dominica*, 113, 117, 287, 464, 662  
*Rigidoporus lignosus*, 479  
*Rigidoporus microporus*, 477, 486  
*Rosmarinus officinalis*, 190, 464, 471, 472

## S

*Salix aegyptica*, 363, 367, 371, 372  
*Salix alba*, 363, 368, 371, 372  
*Salix fragilis*, 163  
*Sambucus nigra*, 191  
*Sarcophaga crassipalpis*, 79, 82, 84  
*Scaeva albomaculata*, 165, 650, 653  
*Schinus molle*, 93  
*Schinus terebinthifolius*, 85, 87, 92, 94  
*Schinus*, 86, 94, 95  
*Schinusmolle areira*, 94  
*Schizaphis graminum*, 570  
*Scirtothrips dorsalis*, 69, 231, 234, 239, 240  
*Scirtothrips perseae*, 263  
*Sclerotinia sclerotiorum*, 291, 293, 294, 296, 297, 300, 352  
*Sclerotiorum*, 292, 294, 296, 300  
*Sclerotium rolfsii*, 360, 432, 725  
*Scrobipalpa ocellatella*, 145, 146, 154  
*Scrobipalpula*, 514, 515  
*Scymnus coccivora*, 275  
*Scymnus subvillosus*, 273  
*Sensu lato*, 313, 320  
*Serratia marcescens*, 735  
*Serratia plymuthica*, 51  
*Serratoppia iranica*, 306  
*Sesamia cretica*, 734, 737  
*Sesbania exaltata*, 319  
*Sesia apiformis*, 339  
*Sessiluncus hungaricus*, 589, 593

*Sida cordifolia*, 169  
*Sida orientalis*, 169  
*Sideritis ozturkii*, 360  
*Sinapis arvensis*, 109, 110  
*Sitobion avenae*, 569, 571,  
*Sitophilus granarius*, 116, 154  
*Sitophilus oryzae*, 113, 117, 118, 120, 464, 473, 663  
*Sitophilus zeamais*, 277, 279, 281, 282, 285, 287,  
290, 473, 655, 659, 662, 666  
*Sitophilus*, 113, 116, 118, 154, 277, 285, 287, 290,  
464, 472, 473, 655, 659, 661, 665, 677  
*Sitotroga cerealella*, 173, 174, 177, 288  
*Solanum elaeagnifolium*, 487, 488, 493, 496  
*Solanum lycopersicum*, 30, 31, 241, 244, 329, 330,  
515, 701  
*Solanum melongena*, 247, 254, 256, 329, 509, 560  
*Solanum tuberosum*, 268  
*Solanum*, 30, 244, 247, 268, 329, 330, 488, 494, 495  
*Sophora alopecuroides*, 204, 206  
*Sophora flavescens*, 630  
*Sorghum bicolor*, 288  
*Spalax ehrenbergi*, 596  
*Sphaerotheca fuliginea*, 319, 419, 422, 424, 427, 429, 430  
*Spilothyrates nuptatorius*, 157, 160  
*Spiraea thunbergii*, 495  
*Spiroplasma citri*, 19, 23, 25, 26, 28  
*Spodoptera exigua*, 329, 332, 336, 432, 640, 715  
*Spodoptera frugiperda*, 7, 369  
*Spodoptera litura*, 369, 737  
*Stagonospora*, 498  
*Stellifera*, 309  
*Stem phylidium vesicarium*, 54  
*Stem pitting virus*, 744  
*Stevia rebaudiana bertonii*, 695  
*Stevia rebaudiana*, 691, 692, 696, 697, 700, 701  
*Stevia*, 691, 692, 694, 695, 698, 699, 701, 702  
*Stigmaeus boshroyehensis*, 410, 416  
*Stigmaeus kamalii*, 416  
*Stigmaeus miandoabiensis*, 415  
*Stigmaeus pilatus*, 416  
*Stigmaeus*, 412, 415, 417  
*Storchia mehrvari*, 410, 415  
*Storchia*, 413, 415  
*Striatoppia niliaca*, 307  
*Striatoppia* sp., 301  
*Sugarcane bacilliform virus*, 541  
*Sugarcane yellow leaf virus*, 541  
*Sundensis acuta*, 307  
*Supella longipalpa*, 555  
*Susceptible audpc*, 397  
*Syrphophilus bizonarius*, 157, 160, 652  
*Syzygium jambos*, 231, 232, 238, 240

**T**

*Taeniothrips inconsequens*, 69  
*Taeniothrips pyri*, 69, 71  
*Tagetes erecta*, 191  
*Talpa europaea*, 600  
*Taraxacum* sp., 160, 162  
*Taxus baccata*, 602  
*Tersilochus curvator*, 164  
*Tetragnatha maxillosa*, 233  
*Tetranychus cinnabarinus*, 555  
*Tetranychus kanzawai*, 554  
*Tetranychus turkestani*, 545, 548, 551, 556  
*Tetranychus urticae*, 554, 555, 586  
*Tetrastichus*, 199  
*Thaumetopoea pityocampa*, 335  
*Thaxterosporium turbnatum*, 386  
*Theobroma*, 36  
*Thespesia danis*, 169  
*Thespesia lampas*, 169  
*Thespesia populnea*, 169  
*Thrips imagines*, 750  
*Thrips tabaci*, 69, 71, 553, 631  
*Thymus vulgaris*, 190, 195  
*Thyridanthrax incanus*, 182, 183  
*Tibraca limbativentris*, 583, 586  
*Tilletia caries*, 59, 61, 63, 66  
*Tilletia foetida*, 59, 66, 67  
*Tilletia laevis*, 59, 64, 66, 67  
*Tilletia tritici*, 59  
*Tilletia*, 67, 498, 506  
*Tobacco streak virus*, 434, 435  
*Tomicus piniperda*, 262, 265  
*Tortrix viridana*, 711, 713, 718  
*Trialetrodes vaporariorum*, 74, 80, 584, 586, 631  
*Triatoma infestans*, 81, 211, 214  
*Tribolium castaneum*, 79, 81, 463, 464, 467, 472,  
476, 676, 680, 681, 683, 684  
*Tribolium confusum*, 113, 116, 118, 120, 755  
*Tribolium madens*, 472  
*Tribolium*, 113, 114, 117, 118, 120, 334, 463, 472,  
474, 487, 682, 683, 755  
*Tribulus terrestris*, 190  
*Trichoderma harzianum*, 29, 30, 37, 291, 294, 381, 623  
*Trichoderma longibrachiatum*, 668, 671  
*Trichoderma vierns*, 36, 373, 374, 378, 380, 382,  
384, 672  
*Trichoderma viride*, 382, 383  
*Trichoderma*, 30, 32, 35, 37, 293, 294, 297, 300,  
360, 373, 376, 379, 383, 450, 459, 460, 623  
*Trichogramma brassicae*, 80, 173, 176, 179  
*Trichogramma embryophagum*, 571  
*Trichogramma evanescens*, 178

*Trichogramma minutum*, 179  
*Trichogramma ostrinia*, 174, 177, 178, 179  
*Trichogramma pretiosum*, 178  
*Trichogramma*, 82, 84, 173, 174, 176, 179, 514, 571  
*Trichogramma nubilale*, 178, 179  
*Trichophyton mentagrophytes*, 297  
*Trichophyton rubrum*, 297  
*Trichoplusia ni*, 370  
*Trifolium repens*, 101  
*Trilobomyza*, 106  
*Trioxys (Binodoxys) indicus binodoxys*, 570, 573  
*Trioxys pallidus*, 570, 573  
*Trissolcus grandis*, 571  
*Triticum aestivum*, 324, 405, 406, 506, 663  
*Triticum monococcum*, 646, 648, 650  
*Trogoderma granarium*, 79  
*Tuta absoluta*, 509, 518  
*Tylenchulus semipenetratus*, 601  
*Typhlocyba (Edwardsiana) avellanae*, 204

## U

*Ulmus minor*, 257, 259, 266  
*Ulmus*, 314  
*Uraba lugens*, 263, 265  
*Urena lobata*, 169  
*Uromyces viciae, fabae*, 223  
*Uromyces*, 325, 326

## V

*Vaccaria pyramidata*, 191  
*Valsa malicola*, 441, 442, 447, 448  
*Veigaia planicola*, 589, 594, 604  
*Verticillium dahliae*, 351, 353, 354, 356, 362  
*Verticillium chlamydosporium*, 505, 672, 673  
*Verticillium lecanii* (= *Lecanicillium muscarium*), 316, 318, 319  
*Verticillium leptobactrum*, 671  
*Verticillium*, 316, 319, 432, 436, 498, 505, 672

*Vicia faba*, 217, 223, 224, 564  
*Vigna unguiculata*, 427, 655, 663  
*Vignar adiata*, 36  
*Virgichneumon callicerus*, 643, 647, 650  
*Vitex pseudonegundo*, 191  
*Vitis vinifera*, 135, 136, 138

## W

*Wilsoni laniseta*, 309  
*Wilsoni wilsoni*, 308  
*Withania somnifera*, 699

## X

*Xanthium strumarium*, 195, 473  
*Xanthogaleruca luteola*, 155  
*Xanthomonas albilineans.*, 56, 58  
*Xanthomonas malvacearum*, 438  
*Xestia collina*, 341  
*Xylella fastidiosa*, 131, 133, 135, 136, 138

## Y

*Yellow mosaic virus*, 541  
*Yersinia enterocolitica*, 53  
*Yponomeuta evonymella*, 165

## Z

*Zaglyptus multicolor*, 157, 162, 163  
*Zataria multiflora*, 374, 380  
*Zea mays*, 277, 289, 453, 487, 489, 490  
*Zeamais*, 277, 278, 280, 281, 283, 285, 287  
*Zetzelia mali*, 409, 410, 414  
*Zinnia elegans*, 191  
*Zetopius (Peltocarus) croceicornis*, 520, 528  
*Zetopius (Tylopius) pinatorius*, 520, 528