



Annual index: Subjects

A

- Abamectin, 213, 280, 343
Abbott, 3, 150, 154, 205, 212, 285, 286, 289, 450, 455, 521, 524
Abiotic, 55, 273, 327, 516, 604, 621
Abnormal, 34, 313, 448
Abscisic, 621
Abscissa, 63, 72
Abundance, 96, 139, 224, 266, 279, 320, 337, 366, 448, 556
Acalypha, 454, 457
Acanthoscelides, 155, 245, 326, 524, 526
Acari, 56, 137, 155, 213, 267, 283, 290, 291, 304, 346, 419, 420, 427, 430, 525, 538
Acaricidal, 290, 291, 426, 429, 458, 530
Acaricide, 90, 284, 290, 346, 420
Acarina, 429
Acarines, 154
Accelerate, 144, 267
Accession, 14, 126, 170, 171, 174, 175, 236, 261, 262, 264, 265, 280, 474, 554, 585, 586
Accessory, 398
Acclimation, 55, 143
Acetylcholine, 90
Achillea, 530
Acholeplasma, 583, 586
Acibenzolar, 354
Acleris, 247, 248, 250
Acorus, 448, 458
Acosta, 240, 245
Acrididae, 315, 325
Acridoidea, 314, 318
Acrylamide, 400, 620
Acuminatum, 359
Acutatus, 566, 575
Acute, 89, 96, 110, 244, 346, 537
Acutus, 575, 577
Acyrtosiphon, 30, 315, 442
Adalia, 442, 443
Adanal, 629, 637, 638
Adaptation, 40, 143, 146, 154, 185, 226, 268, 321, 322, 326, 417, 536
Adelaide, 394, 479
Adenine, 317, 498
Adenophorea, 176
Adenosine, 385, 498
Adipokinetic, 180, 313, 316, 323, 328
Adjuvant, 285
Aedes, 213, 315, 454, 457
Aegle, 535, 537
Aerial, 136, 240, 449, 451, 529, 531
Aerobic, 317
Aerosols, 40
Aerotylenchus, 640
Aeruginosa, 7, 377, 378, 382, 383, 387, 516
Aesculin, 261, 265
Aesthetic, 157
Aestivation, 315
Aestivum, 50, 54, 392, 431, 433, 435, 437, 637
Aethiopica, 244
Aethiopicum, 515
Aflatoxin, 612
AFLP, 122, 236, 618, 622, 626
Africa, 1, 2, 8, 11, 15, 112, 215, 228, 251, 303, 320, 324, 326, 417, 447, 459, 497, 541
African, 2, 8, 16, 129, 136, 165, 215, 217, 221, 279, 323, 345, 347, 429, 457, 458, 516, 577, 615, 653
Afrotropical, 647
Agarose, 12, 14, 582, 618, 619
Agesepharose, 21
Agglutinin, 19, 20, 25, 26, 30, 158
Agonist, 204
Agonoscena, 89, 90, 93, 95, 98
Agraria, 139, 145, 331, 334
Agrico, 555
Agrobacterium, 474, 475
Agrobacteriumei, 480
Agrobacteriumvirus, 480
Agroecosystem, 321, 322
Agroforestry, 377, 384
Agroinoculation, 479
Agroinfection, 473, 476
Agroinoculation, 474, 475, 479
Agromyzid, 309
Agromyzidae, 309
Agronomic, 33, 224, 555
Agronomy, 19, 394, 603
Agropyron, 628, 637
Agrumicoli, 653
Alanine, 316
Alata, 313
Alate, 320
Albicans, 611
Albicinctus, 582, 587, 588
Albidipennis, 283, 289, 292
Albipodus, 149, 152, 154, 156
Albumin, 159, 351, 399, 400, 462

- Aldehyde, 181, 183, 184, 604, 612
Alentomological, 417
Aleyrodidae, 96, 290, 345, 441, 444
Alfalfa, 259, 260, 263, 307, 309, 581, 590, 628
Algae, 397, 627
Algorithm, 59, 72, 76, 81, 176, 215, 216, 218, 594
Alhagi, 529, 530, 532, 534, 536, 539
Alignment, 261, 262, 265, 268, 270, 619
Alimentaires, 525
Alimentary, 184, 535
Alkaline, 149, 151, 153, 155, 261, 466
Alkaloid, 7, 9, 116, 321, 450, 452, 454, 530, 537, 550
Alkylation, 352
Allatotropin, 180
Allele, 474, 480
Allelic, 322
Allelochemical, 316, 321, 438
Allelopathic, 538
Allergic, 525
Allium, 11, 15, 17, 346, 359, 360, 366, 535, 536
Alloaromadendrene, 611
Allocate, 45, 315
Allopatric, 256
Almond, 19, 29, 96, 116, 120, 122, 123, 199, 628, 638
Aloe, 649, 654
Aloeaceae, 649
Alopecuroids, 9
Alphamethrin, 449, 453
Alpine, 614
Alternaria, 386, 603, 605, 610, 612, 614, 616, 652, 653
Altitude, 542, 613
Amaranth, 157, 163
Amaranthus, 157, 158, 163, 164, 167, 351, 355
Amarilla, 226
Amaryllidaceae, 25
Amblyseius, 137, 346, 420, 428
Ambrosia, 447, 449, 452, 460
Ambrosioides, 8
Amelioration, 494
Amines, 180, 321
Aminoantipyrien, 155
Aminoethyl, 461
Ammonia, 514, 516
Ammonialyase, 549
Ammonium, 21, 158, 463, 467, 514
Amorphogenesis, 409
Amorphous, 400
Amoxicillin, 494
Amphidelphic, 174
Amphidial, 171, 173
Amphimallon, 185
Ampholyte, 400
Ampicillin, 398, 494
Amplicon, 581, 585
Amplification, 12, 170, 192, 261, 263, 265, 582, 583, 585, 588, 589, 619, 620
Amplified, 12, 14, 190, 261, 476, 582, 585
Amplify, 475, 582
Amplitude, 80, 252
Amygdaline, 13
Amylase, 157, 166, 471
Amylyolytic, 159, 164
Amylovora, 530, 538, 619
Anacardiaceae, 162
Anaerobic, 261, 265
Anal, 103, 106, 109, 173, 174, 191, 195, 247, 260, 263, 551, 569, 572, 574, 631, 634, 637, 640
Anamorph, 236
Ananas, 15, 16
Ananitis, 14
Anastomosis, 9, 33, 37
Anastrepha, 443
Anatis, 443
Anatoli, 646
Anatomical, 185, 186
Anatomy, 185, 186
Ancestral, 189, 192, 193, 201, 627
Ancestrally, 185
Anchilispomus, 566, 575
Anchomanes, 7, 8
Andalucia, 176
Anethole, 611
Anethum, 530
Angela, 344, 416
Angoumois, 8, 9, 293, 302, 304, 525, 526
Anguillulids, 641
Anguinidae, 565, 576, 577, 579, 641
Angoumois, 9
Anhydrase, 164
Anhydrous, 99, 170, 190, 241, 284, 285, 370, 516, 520, 628
Annealing, 12, 13, 170, 582, 619
Annua, 212, 410
Annuli, 100, 189, 191, 192, 569, 570, 572, 628, 637
Annulus, 189, 191, 192
Annum, 49, 50, 57
Anobiidae, 244
Anomalies, 218
Anopheles, 316, 326
Anoxia, 316
Antagonism, 361, 521, 522
Antagonist, 184, 360, 364, 461
Antagonistic, 15, 343, 350, 356, 360, 361, 364, 391, 514, 523, 592
Antenna, 415, 644, 645
Antennae, 308, 414

- Antennal, 241, 521, 644
Anthesis, 393
Anthocoridae, 284, 290, 291
Anthracnose, 76, 86, 652
Anthraquinones, 454, 649
Anthropods, 457
Antiaflatoxigenic, 614
Antialternaria, 603
Antibacterial, 377, 382, 384, 386, 530, 534, 548, 604, 613, 614
Antibiosis, 28, 140, 141, 143, 145, 146, 280, 302, 470
Antibiotics, 126, 360, 385, 494
Antibody, 497, 498
Anticancer, 534, 537
Antidiarrhoal, 536
Antifeedance, 451, 453, 454
Antifeedancy, 454
Antifeedant, 7, 213, 244, 342, 369, 370, 372, 373, 447, 448, 450, 460, 529, 532, 535, 538
Antifungal, 244, 352, 365, 377, 380, 382, 386, 453, 492, 534, 548, 603, 608, 610, 612, 616
Antimalarial, 457
Antimetabolic, 29
Antimicrobial, 352, 378, 380, 382, 384, 493, 534, 536, 549, 550, 604, 611, 615
Antimitotic, 377, 379, 382, 385
Antioxidant, 53, 316, 317, 323, 326, 328, 354, 355, 455, 493, 524, 534, 537, 538, 549, 550, 621
Antiparasite, 604
Antiproliferative, 378, 386
Antisense, 352
Antisera, 498
Antitermite, 604
Antitumor, 380, 385, 386
Antiviral, 497, 500, 502, 504, 505, 548, 604
Antixenosis, 280
Antolin, 40, 45, 46
Anus, 100, 103, 106, 109, 173, 189, 569, 570, 572, 575, 576, 628, 631, 633, 634, 638, 640
Aorta, 180
Aparicio, 541, 549, 550
Aperture, 169, 173, 508
Aphanomixis, 538
Aphanomyces, 37, 516
Aphdidae, 54
Aphelenchoides, 577
Aphelenchoididae, 577
Aphelinidae, 150
Aphelinus, 149, 150, 152, 156
Aphid, 20, 30, 49, 55, 71, 90, 145, 149, 155, 164, 185, 280, 304, 313, 314, 318, 320, 321, 324, 326, 328, 339, 344, 431, 433, 435, 444, 643, 646
Aphididae, 20, 29, 49, 55, 57, 70, 147, 149, 154, 156, 164, 245, 280, 431, 432, 441, 445, 538
Aphidiidae, 155
Aphidius, 29, 149, 150, 152, 155, 156, 441
Aphidoidea, 320, 328, 444
Aphidoletes, 344, 346
Aphidophagous, 327, 444
Aphis, 49, 51, 57, 70, 147, 149, 150, 152, 154, 156, 280, 315, 432, 442, 444, 561
Apiaceae, 604, 605, 612
Apidae, 155
Apilife, 155
Apirus, 390, 391
Apium, 9
Apkelenchoides, 577
Apomyeloides, 19, 23, 27, 31, 115, 118, 120, 122, 124
Apoplast, 622
Apoplast, 622
Apoptosis, 30, 316, 317, 327
Apple, 19, 20, 77, 85, 99, 100, 146, 349, 356, 497, 502, 504, 505, 511, 566, 570, 592, 601, 628, 631
Appressorium, 128
Apricot, 29
Apteros, 320
Apterygotes, 183
Aquatic, 505
Aquaticus, 110
Aquifer, 15
Arabidopsis, 479, 481, 623, 624
Arabinose, 13
Arachis, 551
Arachnids, 647
Arbovirus, 315
Arbuscula, 365
Arbuscular, 322, 359, 360, 364, 367, 515
Arc, 475
Arcgis, 584
Archeology, 185
Archipini, 249
Arctic, 576
Arctiidae, 116
Arcuate, 100, 101, 169, 173, 570, 572, 574, 575, 638
Areolated, 100, 628, 631, 637
Arginine, 12, 13, 261, 265, 461
Arguments, 192
Arid, 8, 89, 215, 220
Arietinum, 347, 549
Arista, 90, 644
Arivoli, 448, 453, 455
Armenia, 262
Armyworm, 20, 76, 86, 313, 314, 319, 321, 323, 338, 456, 458

- Aromatic, 244, 245, 374, 456, 505, 537, 538, 603, 605, 612, 614, 653
Aromatica, 8
Arrhenomanes, 366
Arriola, 364, 365
Arsenal, 377, 384
Arsenault, 332, 334
Art, 76
Artemisia, 121, 162, 212, 370, 374, 410, 524, 526, 538, 628
Artemisiifolia, 447, 449, 452, 460
Arthropod, 50, 53, 54, 56, 96, 147, 185, 212, 244, 284, 291, 326, 327, 343, 416, 431, 443, 469, 470
Artificially, 359, 427
Asclepias, 319
Ascomycetes, 229, 386
Ascomycetous, 382
Ascomycota, 385, 652
Ascorbate, 317, 455, 621, 623, 624
Ascorbic, 120, 317, 461, 464, 541, 542, 544, 548
Asenstorfer, 613
Aseptically, 126, 543, 650
Asergillus, 612
Asia, 75, 76, 90, 115, 164, 165, 190, 203, 212, 245, 251, 337, 413, 414, 447, 458, 553, 554, 561, 562, 646
Asian, 230, 345, 456, 458, 459, 562
Asiatic, 302
Asiatica, 448, 459
Asitism, 470
Asparagus, 303, 365, 367
Asperen, 151, 155
Aspergillus, 385, 386, 401, 410, 615
Aspirator, 132, 414
Assimilated, 143
Assiniboine, 569
Aster, 589
Asteraceae, 447, 449, 460
Asteris, 588
Astragalus, 628
Asymmetric, 479
Asymmetry, 46, 321, 322, 326
Asymptomatic, 581, 582
Atom, 317, 493
Atomic, 218, 397, 409, 526
Atriplicifolia, 520, 524, 525, 530, 536
Attagenus, 537
Attractant, 55, 119, 426
Aubergine, 342
Auchenorrhyncha, 255, 256
Auchenorrhyncha, 256
Audriellus, 99, 103, 110, 113
Augmentation, 40
Augmentative, 96
Aulolaimoididae, 176
Aurantiacus, 410
Aurantifolia, 585, 586
Aurantium, 190
Aureomycine, 120
Aureus, 377, 378, 382, 383, 387
Australasia, 586
Australasian, 16, 236, 588
Autapomorphies, 247
Authentic, 493
Autonomus, 307, 311
Autoreferat, 417
Autotoxication, 322
Avant, 342
Avena, 157, 158, 167, 613
Avirulence, 622
Avirulent, 618
Avium, 498
Axenic, 122
Axiridis, 90
Axons, 179, 181, 342
Axyridis, 302, 343, 440, 443, 444
Azadirachta, 155, 342, 346, 457, 535, 538
Azadirachtin, 96, 337, 344, 455, 456, 524, 526
Azoxystrobin, 33, 34, 36, 37
- ## B
- Bachicoltura, 526
Bacillus, 128, 158, 337, 338, 340, 344, 347, 377, 378, 383, 387, 515
Bacterial, 11, 13, 15, 16, 75, 126, 235, 259, 261, 265, 266, 334, 352, 355, 380, 382, 386, 398, 399, 410, 474, 592, 600, 617, 619, 622, 624
Bactericidal, 380, 382, 384
Bacteriological, 268, 593
Bacteriology, 15, 267, 269, 588, 622
Bacteriophage, 165, 410
Bacteriophora, 259, 264, 266, 268, 269, 271
Bacteriphora, 259, 263
Bacterium, 11, 15, 16, 259, 262, 264, 270, 342, 345, 377, 378, 380, 382, 385, 398, 410, 484, 613, 615, 617, 618, 620, 622, 624
Bactopeptone, 398
Bactrocera, 442
Baculoviral, 212
Banana, 128, 189, 190, 200
Barley, 2, 33, 34, 54, 56, 293, 296, 300, 302, 393, 436, 438, 440, 550
Bayesian, 169, 170, 175, 176, 190, 199, 261, 264, 268
Bean, 29, 54, 55, 75, 132, 133, 150, 151, 163, 166, 280, 284, 286, 320, 366, 419, 427, 456, 461, 471,

- 473, 474, 478, 481, 520, 523, 526, 529, 541, 543, 545, 547, 551, 578, 586, 623
Beauveria, 135, 137
Becurtovirus, 473, 481
Bee, 39, 40, 155, 316, 318, 324
Beet, 20, 33, 38, 54, 76, 473, 474, 478, 481, 516, 549, 569, 587, 589
Beetle, 8, 20, 29, 89, 90, 96, 97, 137, 139, 145, 147, 153, 155, 157, 158, 160, 162, 164, 166, 185, 216, 244, 245, 270, 291, 315, 316, 319, 324, 327, 338, 345, 378, 384, 431, 432, 438, 440, 442, 444, 469, 470, 525, 529, 530, 536, 537
Begomovirus, 480, 481
Behavior, 13, 15, 30, 71, 90, 97, 121, 123, 186, 255, 300, 313, 315, 318, 319, 324, 326, 419, 421, 426, 429, 538, 623, 624
Bemisia, 136, 288, 290, 291, 318, 324, 441, 444, 480, 481
Beneficial, 90, 284, 291, 316, 318, 321, 324, 343, 346, 360, 419, 431, 441, 448, 455, 461, 529
Benzamide, 205
Benzenesulfonyl, 461
Benzimidazoles, 483, 592
Benzoate, 461, 464
Benzoic, 541, 548
Benzoyl, 461
Benzoylphenyl, 211
Benzyladenine, 495
Berberidaceae, 530
Berberine, 536, 538
Berberis, 529, 530, 532, 534, 536, 539
Bertaccini, 581, 588
Berthaultii, 146
Bicolor, 461, 624
Bicornutum, 260
Bimaculatus, 184
Bimodal, 60, 61
Binomial, 286
Bioacoustic, 251, 255
Bioactive, 342, 377, 378, 380, 383, 384, 386, 455, 504, 605, 649
Bioactivity, 239, 245, 288, 373, 377, 380, 382, 384, 386, 447, 454, 455, 457, 537
Bioagents, 359, 360, 362, 364, 366, 368
Bioassay, 2, 5, 29, 37, 90, 96, 131, 132, 135, 235, 240, 280, 283, 285, 289, 291, 370, 371, 378, 380, 449, 454, 461, 462, 464, 467, 469, 529, 623
Bioautography, 613
Bioavailability, 352
Bioclimatic, 218, 219, 224
Biocontrol, 46, 90, 97, 125, 126, 128, 129, 132, 134, 136, 137, 268, 269, 289, 338, 344, 346, 354, 359, 360, 363, 367, 384, 386, 432, 441, 444, 459, 549
Bioconversion, 410
Biocycle, 46
Biodegradability, 484
Biodegradable, 490, 604
Biodegradation, 397
Biodemography, 29, 122, 279, 302
Biodiversity, 225, 226, 269, 317, 318, 324, 326, 614, 623
Biocology, 328
Bioefficacy, 457, 458, 562
Bioenergy, 410
Bioengineering, 411
Bioevaluation, 469
Biofuels, 409
Biogenesis, 410
Biogenic, 180, 321
Biogeographic, 269
Biogeography, 226
Bioindicators, 647
Bioinformatics, 176, 199, 225, 227, 268, 621
Bioinsecticidal, 29
Bioinsecticide, 342
Biointensive, 560, 562
Biomass, 50, 143, 370, 379, 398, 410
Biomedicine, 226, 456
Biometrics, 494
Biometry, 314, 428
Bionematicide, 128
Bionomics, 147, 280, 304, 441
Biopesticide, 165, 314, 338, 342, 366, 458, 562
Biophysical, 471
Bioproduct, 367
Biorational, 90, 96, 291, 304, 338, 343, 345, 560, 561
Bioresource, 290, 384, 410
Biosafety, 346
Bioscience, 8, 55, 227, 290, 324, 326, 428, 457, 561, 623
Biosynthesis, 180, 186, 483, 494, 604
Biosystems, 12, 85, 86
Biotic, 89, 273, 313, 316, 378, 592, 604, 621, 623
Biotrophic, 229, 364
Biotype, 291, 318, 324, 444, 480
Biovar, 367, 618
Bipolaris, 393, 548, 550
Bipunctata, 438, 442, 443
Birch, 71, 100, 151, 154, 279, 301, 302, 432, 433, 441
Bisection, 21, 434
Bisexual, 100
Bishop, 320, 325
Bitechnology, 411
Blast, 13, 15, 170, 263, 265, 380, 385, 581, 585, 619
Bleach, 499
Bleaching, 11, 183
Blestimated, 596
Blight, 15, 16, 393, 394, 538, 548, 603, 612, 615, 653

- Blood, 20, 486, 505
Bloom, 233
Blooming, 139
Blossom, 497
Blot, 463
Blotch, 15, 394
Blotting, 650
Blume, 605, 607, 615
Blumeria, 393
Bombycidae, 213
Bombyx, 186, 212, 328, 455
Bootstrap, 146, 196, 198, 262, 265, 268, 295, 297, 299, 303, 434, 437, 439, 442, 443, 586
Bootstrapping, 583
Borer, 30, 56, 121, 123, 163, 166, 184, 185, 280, 345, 347, 369, 457, 459, 461, 470, 471, 553, 556, 558, 560, 562
Boriavi, 653
Boric, 582
Borneol, 243
Bostrychidae, 369, 536
Botanical, 1, 2, 6, 8, 9, 97, 123, 154, 165, 343, 345, 347, 373, 447, 448, 457, 459, 519, 529, 530, 535, 537, 538, 559, 560, 562, 604, 615, 649, 650
Botrytis, 346, 541, 544, 547, 549, 552, 591, 593, 597, 601, 602, 613, 615
Bouain, 324
Bovine, 159, 351, 399, 400, 462
Brachyceran, 186
Brachyuris, 171, 175
Bracon, 39, 40, 42, 44, 46, 48, 96, 417
Braconidae, 29, 30, 39, 46, 48, 97, 150, 309, 416, 441
Bradford, 159, 164, 205, 212, 351, 354, 397, 399, 400, 410
Brassicaceae, 50, 54, 56, 123, 320, 325, 444, 646
Breeding, 19, 45, 230, 234, 236, 314, 322, 365, 479, 550, 603, 617, 622
Brevicauda, 570
Brevicoryne, 50, 54, 56, 320, 325, 444, 646
Bristle, 645
Bromide, 46, 525, 582, 583
Brommonschenkel, 281
Bromo, 261
Bromophenol, 399, 400
Bromus, 628
Bronskill, 260, 267
Brood, 46
Broom, 581, 590
Broth, 128, 379, 380, 474
Broussalis, 244, 525
Brucella, 537
Bruchid, 8, 29
Bruchidae, 8, 155, 244, 519, 525, 526, 536
Bruchus, 165, 519
Budapestensis, 260, 266
Buffer, 12, 20, 21, 158, 160, 170, 205, 351, 399, 400, 462, 465, 475, 486, 498, 582, 618, 619
Bulb, 11, 12, 14, 16, 100, 101, 103, 106, 109, 169, 172, 173, 191, 359, 360, 364, 365, 565, 568, 570, 572, 575, 578, 628, 631, 634, 637
Bulbular, 569, 572
Bursa, 100, 101, 248, 570, 574, 575
- C**
- Cactus, 585, 587
Cadahia, 157, 165
Cadavers, 133, 259, 260
Calcium, 511, 592
Californicus, 153, 290
Callosobruchus, 8, 155, 162, 239, 240, 242, 244, 246, 289, 290, 519, 521, 523, 525, 527, 536, 538
Callus, 502
Calyx, 116, 122
Candidatus, 586, 588
Cannibalism, 315, 319, 323, 433, 449
Canola, 34, 393
Canopy, 157, 555, 592
Cantalapiedra, 578
Carabid, 338
Carabidae, 185
Carbendazim, 541, 542, 544, 545, 547
Carbohydrase, 166, 211
Carbohydrate, 20, 53, 203, 205, 208, 211, 212, 410, 411, 530, 604
Carboxamide, 498, 499
Carboxymethylcellulase, 399
Carcinogenesis, 653
Cardamomum, 369, 373, 537
Caribaea, 454, 457
Carinthia, 249
Carnitine, 319, 328
Carnivorous, 427
Carpocapsae, 260, 266, 268, 269
Carposcalis, 643
Carposinidae, 146
Carum, 530, 535, 537, 538, 603, 608, 610, 613, 614, 616
Carvacrol, 239, 241, 243, 603, 604, 608, 611, 612, 616
Caryologia, 367
Caryophyllene, 239, 240, 243, 289, 608, 611, 612
Casein, 116, 120, 461, 462, 466
Caseinolytic, 467
Casida, 211, 212
Caspase, 30
Cassava, 444

- Catalyse, 317, 318, 350, 354, 495
Catalytic, 397, 406
Catalyze, 622
Caterpillar, 279, 281, 321, 339, 347, 455, 456, 458, 526
Caudal, 629, 630, 636, 639
Caudatus, 169, 170, 351, 355
Cauliflower, 342, 346, 354
Cecidomyiidae, 344, 346
Cedar, 183
Cedrenepoxide, 611
Celery, 9
Cellobiose, 397, 400, 407
Cellular, 317, 326, 352, 377, 379, 380, 382, 384, 502
Cellulase, 397, 401, 403, 407, 409, 411, 548
Cellulolytic, 397, 407, 409
Cellulose, 21, 120, 163, 397, 398, 400, 401, 404, 406, 411, 493
Cerci, 183
Cerdaniensis, 256
Cereal, 1, 8, 34, 47, 140, 165, 215, 245, 293, 294, 300, 301, 303, 369, 394, 461, 470, 529, 588, 613
Chalcidoidea, 307, 309, 311, 413, 417
Chemosphere, 96, 344
Chemotherapeutic, 502
Chemotherapeutical, 503
Chemotherapy, 384, 497, 505
Chenopodium, 8, 426
Cherry, 54, 136, 355, 356, 504
Chickpea, 25, 347, 365, 366, 448, 449, 480, 541, 548, 551
Chilo, 461, 462, 464, 468, 470, 472
Chilocorus, 95, 97
Chitin, 128, 203, 204, 210, 212, 213
Chitinase, 129, 548
Chlamydo spores, 359, 361, 363
Chlamydo sporia, 129
Chlidanotinae, 249
Chloramphenicol, 360, 461, 650
Chlorantraniliprole, 343
Chlorfluazuron, 213
Chloroanilines, 551
Chloroform, 450, 451, 454, 535, 619
Chlorogenic, 544
Chloromethyl, 461
Chlorophyll, 483, 486, 489, 493, 494
Chloroplast, 283, 494
Chlorosis, 49, 619
Chlorotic, 215, 216, 219, 223, 225, 228, 332, 333, 480, 502, 504, 505, 618
Chlorpyrifos, 524, 525
Chlorpyrifos, 553, 554
Cholamidopropyl, 400
Cholesterol, 120, 317
Chromafenozide, 213
Chromatograms, 261
Chromogenic, 462
Chromosome, 235
Chronic, 50, 95, 505, 537
Chrysanthemum, 136
Chrysomelid, 216
Chrysomelidae, 139, 145, 148, 157, 167, 316, 386, 444
Chrysopa, 339, 343, 348, 444
Chrysoperla, 95, 97, 302, 337, 340, 341, 344
Chrysopidae, 97, 302, 339, 444
Chymostatin, 461, 465, 466
Chymotrypsin, 461, 465, 467, 469
Cicada, 251, 257
Cicadellid, 442
Cicadellidae, 25
Cicadidae, 251, 255, 256
Cicadinae, 255
Cicadoidea, 255, 256
Cicadomorpha, 256
Cicer, 347, 549, 551
Ciceri, 548, 550
Cilia, 248
Ciliatus, 268
Cimex, 319, 323
Cineole, 243, 604
Cinerea, 236, 542, 549, 591, 593, 596, 597, 601, 602, 613, 615
Cinnamaldehyde, 373, 612
Cinnamic, 612
Cinnamomum, 290, 530, 603, 605, 608, 610, 614, 616
Circulation, 218
Circumdatus, 95, 97
Circum esophageal, 181
Circumstantial, 315
Citrate, 13, 261, 265, 399, 491
Citrella, 416
Citric, 541, 542, 544, 548
Citricidies, 55
Citricola, 55
Citrinoviride, 410
Citriodora, 284, 288, 290
Citronella, 154
Citrullus, 19, 20, 30, 31
Citrus, 55, 76, 77, 85, 86, 154, 190, 200, 283, 284, 286, 288, 290, 292, 320, 325, 355, 498, 623, 652
Clade, 169, 171, 174, 176, 189, 192, 193, 196, 198, 261, 263, 264, 583
Cladistics, 186, 307, 310
Cladosporium, 649, 654
Clavatus, 386
Clavicipitaceae, 138
Clevenger, 239, 241, 284, 370, 520, 605

- Climatic, 215, 219, 220, 229, 231, 252, 267, 439, 604
Climatology, 219, 226
Clinical, 15, 155, 385, 386, 495, 549
Cloacal, 263, 572, 574, 629, 631, 634, 635, 637, 638, 640
Clone, 15, 50, 320, 473, 474, 478, 480
Cloning, 411, 623
Clove, 373, 615
Clover, 338, 628
Cloxacillin, 494
Coccinella, 145, 149, 150, 152, 156, 337, 339, 341, 346, 348, 441, 443
Coccinellid, 89, 91, 96, 97, 344, 431, 432, 442
Coccinellidae, 89, 90, 96, 97, 145, 150, 280, 291, 302, 315, 339, 344, 347, 431, 441, 445
Coevolution, 314, 321, 324
Coevolutionary, 321
Coexist, 343
Coexisting, 337, 339, 342, 344
Coinidia, 136
Coleoptera, 8, 89, 90, 96, 97, 139, 145, 148, 150, 179, 183, 185, 187, 244, 245, 268, 280, 302, 304, 316, 325, 339, 344, 345, 347, 369, 373, 386, 431, 441, 445, 458, 519, 525, 526, 529, 536, 539
Coleopteran, 179, 180, 183
Colonization, 269, 284, 359, 361, 364, 365, 618
Colony, 13, 126, 155, 205, 233, 260, 261, 284, 320, 327, 361, 362, 379, 380, 421, 428, 449, 547, 606, 649, 651
Color, 55, 59, 60, 75, 84, 86, 179, 220, 223, 248, 318, 320, 325, 326, 350, 362, 450, 486, 503, 593, 619
Coloration, 247, 324
Colorimetric, 350, 486, 494
Compatibility, 90, 95, 338, 343, 344, 346
Compendium, 36, 86, 192, 199, 236, 335, 355, 384, 504
Compensate, 211, 508
Competition, 45, 47, 304, 322, 326, 364, 365
Competitors, 419, 428
Complementary, 260, 359, 431, 473
Component, 29, 40, 47, 60, 80, 81, 122, 155, 204, 218, 220, 234, 239, 241, 243, 244, 278, 284, 288, 291, 315, 317, 389, 397, 401, 407, 419, 420, 426, 431, 457, 474, 553, 560, 593, 604, 606, 608, 612, 613, 622
Compost, 334, 366, 384, 543, 569, 576
Conidia, 131, 133, 136, 231, 233, 361, 385, 485, 650, 652
Conidial, 132, 133, 231, 484, 597, 652
Conidiophore, 650, 652
Conidiophores, 127
Conidium, 132
Coniferous, 266
Consumption, 49, 89, 90, 95, 96, 143, 145, 213, 279, 293, 303, 369, 373, 427, 443, 450, 493, 529, 531, 533, 535
Contamination, 293, 433, 449, 503, 524
Convergence, 170, 320
Coomassie, 399, 400, 407, 409
Corn, 11, 29, 34, 55, 116, 120, 121, 123, 184, 185, 216, 226, 284, 286, 293, 294, 300, 301, 303, 345, 346, 393, 394, 436, 438, 440, 443
Corpora, 180, 185, 313, 316
Corpus, 100, 627
Coumarins, 454
Craccivora, 149, 154, 156, 315, 444
Criconematidae, 111, 112
Criconematoid, 100
Criconematoidea, 111
Cristina, 337, 344, 414, 416
Criteria, 135, 225
Critical, 28, 54, 239, 284, 290, 316, 332, 334, 390, 393, 394, 401, 410, 529, 556, 576, 621, 650
Cryptic, 131, 226, 316
Cryptococcus, 356
Cryptolaemus, 90, 95, 97
Cucumber, 50, 135, 137, 283, 286, 288, 406, 419, 421, 423, 427, 440, 443, 483, 490, 492, 496, 507, 516, 592, 601
Cucumerinum, 601
Cucumeris, 137, 346, 427, 428
Cucumis, 284, 420, 427, 495, 507, 517
Cucurbit, 190, 268, 484
Cucurbitaceae, 19, 20, 31
Cucurbitae, 442
Cuellar, 16
Cues, 53, 121
Culex, 458, 459
Culicidae, 226, 315, 457, 459
Cuminum, 530, 536, 537
Cupressaceae, 385, 386
Cupressus, 385, 386
Curculionidae, 8, 184, 245, 373, 458, 538
Curtovirus, 473, 480
Cuticle, 6, 99, 100, 169, 172, 173, 212, 569, 570, 572, 597, 622, 624, 628, 631, 634, 637
Cuticular, 99, 323, 592, 622
Cutin, 622
Cutworm, 213, 244, 314, 338, 456
Cyanide, 644
Cyantraniliprole, 346
Cymbalisation, 255
Cymbopogon, 284, 290
Cymene, 240, 243, 603, 604, 608, 611, 612, 616
Cypermethrin, 524, 553, 554
Cysteine, 261, 265
Cystindia, 200
Cytochrome, 193, 317, 322, 324, 327
Cytotoxicity, 385

- Cytokinin, 458, 495
Cytological, 180
Cytosine, 498
Cytosolic, 623, 624
Cytotoxic, 30, 377, 379, 382, 384, 613
Cytotoxicity, 25, 378, 384
Cytotoxin, 386
- D**
- Dacus, 268
Damage, 2, 9, 19, 20, 49, 50, 54, 60, 77, 115, 122, 128, 131, 149, 157, 203, 223, 273, 274, 283, 313, 317, 320, 323, 328, 337, 339, 347, 394, 417, 447, 474, 484, 487, 494, 497, 507, 536, 550, 553, 557, 559, 592, 621
Damping, 33, 35, 361, 363, 550
Darkness, 117, 119, 121, 132, 239, 369, 370, 520, 542
Datura, 157, 163, 167
Daucus, 467, 468
Dead, 3, 34, 150, 151, 240, 241, 260, 332, 333, 521, 543
Deaminase, 13
Decapeptide, 316
Decarboxylase, 13
Decay, 15, 16, 349, 350, 354, 356, 494
Decaying, 125, 350, 652
Decolorized, 399, 400
Decomposed, 493
Decomposing, 350, 353
Defence, 328, 366, 427, 455, 474, 541, 623, 624
Defend, 317, 325
Defense, 20, 29, 50, 316, 320, 321, 325, 350, 354, 360, 364, 455, 461, 469, 471, 486, 488, 493, 530, 547, 550, 592, 617, 619, 621, 622, 624, 626
Defensive, 278, 350, 354, 624
Defoliate, 139
Defoliated, 543
Defoliation, 77, 146, 543
Defoliator, 453
Deformations, 342
Degenerated, 101
Degeneration, 490
Degradation, 96, 352, 407, 410, 461, 493
Degrade, 60, 61, 484
Dehydration, 6, 89, 181, 319
Dehydroascorbic, 317
Dehydrogenase, 33, 34
Dehydrolysis, 261, 265
Deionized, 350, 449
Delphacidae, 164
Delphastus, 95, 96
Deltamethrin, 96
Demethylation, 236
Demographic, 19, 20, 22, 25, 123, 279, 280, 431, 432, 434, 436, 438, 440, 444
Demography, 145, 212, 301, 302, 431, 432, 441
Denaturation, 12, 13, 170, 582, 619
Denaturing, 162, 619
Denderogram, 231, 234
Dendroscope, 171, 176
Density, 39, 47, 49, 51, 54, 59, 61, 66, 70, 140, 149, 255, 313, 315, 316, 318, 320, 323, 328, 331, 337, 340, 343, 345, 360, 361, 363, 390, 416, 440, 459, 474, 486, 498, 519, 591, 594, 596
Deoxyribonucleic, 268
Dermatophagoides, 290
Dermestidae, 537
Desaminase, 13
Desiccate, 605
Desiccation, 317
Desiccator, 286
Deterrence, 212, 291, 369, 373, 447, 449, 454, 457, 529, 531, 532, 534
Deterrency, 448, 529, 530, 532, 534, 536, 538
Deterrent, 8, 9, 165, 342, 344, 345, 453, 532, 535, 537
Deterring, 454
Detoxification, 153, 154, 322, 495
Detoxify, 320
Detoxifying, 316
Dextrose, 120, 126, 132, 350, 378, 379, 398, 542, 593, 606, 607, 650
Diagnosis, 76, 247, 248, 260, 265, 308, 414, 591, 592
Diagnostic, 110, 191, 192, 199, 589, 624
Diaminopropane, 21
Diapause, 140, 141, 315, 319, 324, 326
Diarrhea, 604
Diazinon, 137
Dibromide, 516
Dicarboximides, 483, 592
Dichloromethane, 453
Dichlorvos, 289
Dichotomous, 565
Dicotyledonous, 473, 478
Dieldrin, 318
Diet, 1, 19, 30, 46, 49, 75, 115, 124, 141, 260, 300, 301, 304, 320, 325, 437, 449, 459, 462, 464, 468, 469, 471, 486, 495, 535
Dietary, 117, 122, 212, 470
Differentiation, 22, 76, 80, 183, 315, 326, 432, 436, 621
Digest, 537
Digestion, 25, 28, 158, 164, 410, 466, 585, 619
Diglyphus, 416
Dihydrolase, 12, 13
Dihydroxyphenyl, 316
Dimorphic, 321

Dimorphism, 248, 321, 322, 327
Dinitrobenzene, 151
Dinitrosalicylic, 159, 399, 400
Diomphalia, 384
Diphenolic, 352
Dipsacoideus, 574
Diptera, 186, 212, 226, 268, 303, 309, 339, 344, 346, 442, 457, 459, 643, 646, 647
Dipterous, 646
Disaccharide, 397
Discriminant, 76
Dishydrolase, 13
Disinfestation, 519, 525, 526
Dismutation, 350, 354
Dispersal, 9, 314, 428, 429
Disperse, 440
Dispersion, 47, 313, 314, 322
Distillation, 241, 290, 370
Distinction, 180
Distinctive, 484
Distortion, 50, 473, 478, 480
Distressful, 319
Distribution, 21, 36, 55, 59, 61, 70, 72, 75, 77, 80, 83, 170, 215, 216, 218, 227, 248, 252, 264, 269, 281, 286, 307, 309, 319, 328, 335, 366, 390, 407, 414, 416, 434, 439, 448, 459, 505, 536, 538, 553, 587, 588, 591, 592, 594, 595, 598, 599, 644, 645
Disulfaton, 155
Dithiothreitol, 399
Ditylenchus, 565, 579
Diuraphis, 50
DMSO, 379, 462
DNA, 12, 14, 15, 170, 176, 190, 199, 211, 236, 260, 261, 265, 269, 317, 323, 473, 477, 479, 481, 494, 498, 504, 505, 582, 583, 585, 586, 589, 618, 619, 622
DNAse, 261
Dorylaimida, 169, 174, 176, 177
Dorylaimoidea, 176
Dosage, 3, 7, 286, 364, 493
Dose, 1, 4, 6, 8, 123, 132, 133, 157, 159, 162, 164, 204, 211, 240, 241, 285, 289, 313, 317, 320, 323, 325, 343, 447, 451, 468, 486, 502, 519, 521, 523, 524, 531
Dothideomycetes, 652
Drifts, 317
Drosophila, 186
Drought, 49, 50, 52, 56, 89, 315, 316, 324, 326
Dwarf, 50, 216, 480, 498, 504
Dwarfing, 584
Dwelling, 135, 377
Dwivedi, 459
Dx, 225, 442
Dxc, 79
Dyar, 28, 47, 117, 122

Dye, 159, 164, 184, 212, 354, 397, 399, 400, 410
Dying, 331, 334, 335, 434
Dynamic, 46, 146, 186, 204, 217, 220, 224, 227, 294, 323, 325, 442
Dysaphis, 443
Dysdercus, 313, 314, 319, 324, 325, 329

E

Earworm, 303
Ecdysis, 135
Ecdysone, 204
Ecdysteroid, 317, 325
Echinophora, 605
Eclosion, 122
Ecofriendly, 398, 456
Ecosystem, 46, 90, 146, 269, 314, 326, 345, 360, 562, 646, 647
Ecotoxicology, 326, 345, 653
Ecpthyadophorinae, 627
Ectomyeloid, 29, 122, 123
Ectoparasitoid, 28, 30, 413, 414
Eggplant, 154, 515, 553, 556, 558, 562, 603
Eggshell, 129
Eicosane, 611
Electrophoresis, 12, 159, 263, 397, 399, 400, 403, 407, 409, 463, 464, 466, 470, 583, 585, 586, 619
Electrophysiological, 535
Electrotherapy, 504, 505
Elicitor, 353, 493, 623
Elletaria, 369, 373, 537
Embryo, 128, 179, 538
Embryology, 184, 185
Embryonic, 7, 118, 179, 186
Emulsifiable, 136, 153
Emulsified, 450
Emulsifier, 450
Endemic, 239, 240, 345, 385
Endocrine, 180, 185, 204, 324
Endocrinology, 185, 325
Endoparasitoid, 30
Endophthalmitis, 385
Endophyte, 11, 385, 386
Endophytic, 383, 385, 386
Endospore, 342
Endosymbionts, 364
Endotoxin, 340, 342, 343
Entomopathogenic, 131, 134, 383
Entomocide, 8
Entomofauna, 249, 310, 417
Entomoparasitic, 213
Entomopathogenic, 131, 137, 259, 260, 263, 270, 342, 345, 378, 383, 386

- Entomopathogenous, 136
Entomopathogens, 554
Entomophaga, 444
Entomophagous, 416, 441, 444
Entomopathogenic, 384
Entomotaxonomia, 255
Entomotoxic, 20, 29
Epidemic, 235, 313, 390, 392, 394, 550
Epidemiology, 394
Epidemiological, 224
Epidemiology, 224, 225, 235, 334, 394, 587, 623
Epidermal, 229, 597, 623
Epidermis, 203
Epigenetic, 474
Epinasty, 475, 476
Epiphyte, 11
Epiptygma, 189, 191, 192, 260, 263
Epithelial, 25
Epoxide, 611
Epoxysuccinyl, 461
Eradication, 498, 499, 502, 504, 505
Eragrovirus, 481
Ericaceae, 447, 449, 458, 460
Erysiphe, 229, 231, 232, 235, 237
Escherichia, 7, 377, 378, 383, 387, 495, 611
Esculentum, 273, 337, 346
Esculentus, 346
Esterase, 149, 151, 153, 155, 213, 325
Ethidium, 582, 583
Ethiolaimus, 189
Ethnobotanical, 458
Ethnobotany, 458
Ethnodomestication, 455
Ethnopharmacology, 458, 459, 536, 537, 613
Ethological, 256
Etiology, 589
Eucalyptol, 604
Eucalyptus, 11, 15, 284, 290, 454, 457, 604, 607
Euderinae, 413, 417
Eugenia, 8
Eugenol, 243, 369, 373, 612, 615
Eukaryotic, 377, 378, 397
Eulophidae, 28, 307, 309, 311, 413, 414, 416, 418
Eulophinae, 307, 311, 413, 415, 417
Eulophus, 28, 30
Euolophinae, 413
Eupatorium, 447, 449, 452, 460
Euphorbiaceae, 457
Euphytica, 365, 481, 549, 550
Evolution, 146, 176, 180, 183, 185, 186, 199, 200, 255, 256, 267, 269, 281, 319, 323, 326, 328, 366, 427, 444, 483, 490, 589, 641
Evolutionary, 15, 176, 180, 200, 218, 255, 256, 268, 269, 281, 321, 323, 326, 589, 627
Exocellobiohydrolase, 411
Exocellulases, 409
Exochomus, 444
Exogenous, 321, 548
Exoglucanase, 397, 400, 410
Exopolygalacturonases, 625
Exoskeleton, 204
Exotic, 417, 443
- F**
- Faba, 150, 151, 366, 541, 543, 545, 547, 552, 586
Fabaceae, 240, 455, 530
Fabae, 54, 56, 438, 442, 541, 551
Fauna, 99, 100, 111, 169, 199, 247, 307, 413, 417, 443, 565, 566, 627, 628, 640, 643, 646, 647
Faunal, 249, 646
Faunistic, 643, 646
Faunistica, 646
Fecundity, 19, 24, 28, 30, 40, 46, 89, 90, 92, 95, 97, 121, 122, 136, 140, 141, 144, 146, 155, 203, 207, 211, 230, 274, 276, 278, 279, 293, 296, 299, 303, 320, 321, 325, 342, 431, 441, 443
Fed, 19, 20, 22, 28, 41, 90, 96, 115, 117, 121, 141, 142, 144, 205, 284, 285, 303, 339, 431, 433, 435, 441, 444, 449, 458, 464, 467, 469
Feeding, 9, 20, 22, 25, 28, 30, 49, 50, 54, 89, 93, 95, 131, 136, 141, 147, 166, 203, 213, 274, 275, 280, 291, 304, 320, 321, 337, 338, 342, 369, 373, 413, 421, 427, 428, 432, 440, 443, 447, 455, 457, 461, 464, 469, 529, 532, 534, 536, 538, 554, 627, 643, 646
Fennel, 284, 287, 291
Fenton, 483, 495
Fenvalerate, 524
Fermentas, 582, 583, 618, 619
Fermentation, 128, 379, 397, 402, 404, 412
Fertility, 39, 89, 92, 94, 95, 121, 122, 136, 140, 204, 280, 303, 320, 332, 334, 366
Fertilization, 55, 335, 508, 509, 514
Fertilizer, 36, 54, 140, 331, 332, 334, 420, 507, 508, 511, 514, 516, 556, 558, 559
Ferula, 369, 370, 374, 375, 530, 535, 537, 613
Filamentous, 377, 378, 383, 385, 398, 410, 565, 569, 570, 575, 632
Filarial, 323, 458, 459
Filenchus, 627, 628, 631, 634, 637, 640, 642
Filiform, 627, 628, 631, 632
Filiformis, 7
Fingerprinting, 269
Flavonoid, 321, 354, 450, 452, 454, 456, 459, 530
Flufenoxuron, 210, 211, 213

- Fluorescens, 364, 515, 516, 550
Fluorescent, 351, 367
Fluoride, 461
Fluttering, 318, 320
Fly, 60, 97, 123, 147, 155, 186, 204, 211, 212, 245, 268, 314, 318, 320, 323, 443, 643, 646, 647
Foeniculum, 283, 284, 286, 288, 290, 292, 536, 605, 607
Foraging, 46, 97, 281, 419, 420, 427, 429, 646
Formaldehyde, 99, 190, 260, 461, 464, 566
Formalin, 120, 170, 486
Formamid, 486
Formosan, 326
Fractionation, 456
Fragment, 12, 192, 193, 263, 265, 270, 397, 475, 581, 583, 585, 587, 617, 619, 621
Frankliniella, 131, 134, 138, 216, 225
Fruticosa, 454, 457
Fugicidal, 394
Fumigant, 1, 3, 6, 40, 149, 150, 152, 156, 239, 246, 283, 292, 371, 453, 457, 519, 520, 523, 526, 529, 536, 538
Fumigated, 522, 524
Fumigation, 245, 331, 519, 521, 524
Fumosoroseus, 383, 386
Fungal, 20, 29, 76, 86, 125, 126, 128, 132, 133, 135, 229, 231, 233, 235, 315, 328, 332, 334, 349, 352, 355, 360, 361, 366, 377, 378, 382, 386, 390, 401, 407, 409, 411, 431, 494, 541, 546, 548, 549, 591, 593, 598, 606, 612, 613, 622, 649, 650, 652
Fungi, 36, 115, 125, 128, 129, 131, 137, 322, 327, 328, 360, 364, 367, 377, 378, 383, 386, 397, 398, 484, 494, 495, 550, 603, 604, 612, 622, 652, 653
Fungicidal, 380, 382, 384, 603, 606, 608, 611
Fungicide, 33, 38, 76, 90, 229, 230, 234, 236, 349, 359, 363, 389, 391, 483, 485, 488, 490, 493, 494, 530, 541, 542, 544, 545, 547, 548, 550, 592, 603, 612, 614, 615
Fungistatic, 606, 608, 611, 612
Fungitoxic, 352, 604
Fungus, 33, 34, 125, 128, 132, 135, 137, 157, 229, 332, 349, 352, 359, 360, 364, 365, 367, 378, 380, 382, 386, 406, 410, 485, 492, 493, 495, 603, 606, 608, 611, 613, 650, 652
Funicular, 308, 414
Funicule, 308
Fusarium, 359, 362, 364, 368, 398, 494, 541, 548, 550, 592, 601, 604, 614, 615, 652, 653
Fusiform, 569, 570
Fusion, 76, 158, 164, 179, 180, 183
- G**
- Galactose, 20, 21
Galactosidase, 13
Galanthus, 30, 158
Gall, 125, 127, 279, 317, 325, 507, 509, 511, 513, 515, 576
Gallanthus, 20, 25
Galleriidae, 304
Gamma, 123, 519, 526, 530, 536, 611
Gams, 384
Gastric, 536
Gastromycomordinibus, 653
Gastroprotective, 536
Gel, 12, 14, 157, 159, 162, 164, 263, 399, 400, 403, 407, 409, 463, 466, 470, 476, 582, 583, 586, 618, 620, 622, 649
Gelatin, 13, 261, 265, 463
Gelechiidae, 413
Gelechiidae, 1, 8, 10, 204, 273, 280, 282, 293, 302, 305, 337, 342, 344, 346, 348, 413, 414, 416, 418
Geminiviridae, 473, 480, 481
Geminiviridae, 473
Geminivirus, 473, 474, 479, 481
Gene, 28, 50, 158, 189, 190, 193, 200, 218, 230, 234, 236, 259, 261, 263, 266, 270, 316, 318, 321, 322, 324, 326, 328, 394, 410, 411, 461, 470, 471, 473, 475, 480, 481, 497, 582, 588, 612, 617, 625
Generation, 2, 15, 19, 22, 27, 28, 34, 116, 139, 141, 142, 145, 170, 186, 248, 259, 261, 273, 275, 277, 279, 284, 293, 296, 299, 301, 318, 326, 421, 424, 426, 427, 433, 434, 439, 443, 449, 464, 468, 481, 484
Genetic, 40, 45, 55, 146, 199, 200, 215, 218, 229, 233, 236, 265, 269, 281, 319, 321, 322, 326, 328, 365, 428, 480, 481, 589, 604, 605, 612, 618, 622
Genome, 15, 473, 474, 480, 481, 498, 622, 624
Genomic, 12, 15, 193, 261, 269, 385, 481
Genotype, 55, 230, 231, 234, 280, 294, 300, 303, 350, 470, 479, 480, 549, 561, 618
Genotypic, 322
Genotyping, 270
Geosporobacter, 15
Geotropism, 97
Gepstein, 55
Geraniol, 291
Geranium, 369, 372, 498, 530, 536
Geranyl, 611
Germplasm, 549
Germplasm, 36, 230, 235, 236, 245, 355, 505
Gerontology, 323
Gland, 100, 165, 189, 194, 569, 570, 572, 628, 631, 634, 637
Glandular, 569, 572
Glandulosum, 243, 244
Glasshouse, 279, 280, 473, 515, 541, 548
Globulus, 605, 607

- Gloeosporioides, 356, 652
Glucan, 367, 406, 411
Glucanase, 397, 548
Glucanohydrolase, 411
Glucose, 12, 13, 231, 397, 400, 407, 456, 618
Glucosidase, 165, 397, 401, 403, 405, 407, 410, 411
Glucosinolates, 55
Glutathione, 151, 154, 326, 495
Glycerin, 20, 99, 116, 120, 170, 260, 566, 628
Glycerol, 116, 190, 399
Glycine, 75, 125, 128, 399, 443, 462, 464
Glycoalkaloids, 277
Glycogen, 203, 205, 208, 210, 213
Glycol, 55
Glycolysis, 320
Glycosidic, 400, 401, 404, 406
Glycosylation, 403
Glyphodes, 203, 206, 210, 212, 214
Glyptostroboides, 613
Gnorimoschema, 281
Gracilacus, 99, 110, 111, 113
Gracillariidae, 308, 414, 416
Gracilpaurus, 99, 111
Granulometry, 61, 71
Granulosus, 169, 177
Grape, 229, 236, 549, 615
Grapefruit, 86
Grapevine, 100, 101, 111, 229, 235, 236, 351, 504, 515, 549, 566, 577, 601, 628
Grass, 11, 15, 170, 186
Grasshopper, 314, 318, 319
Grasslands, 259, 260, 263, 266, 628
Gryllidae, 184
Gryllus, 184
Guanine, 498
Guanosine, 498
Gubernaculum, 100, 101, 103, 109, 191, 261, 263, 569, 570, 572, 574, 629, 631, 637, 638, 640
- H**
- Habitat, 125, 220, 224, 255, 256, 263, 266, 269, 318, 321, 384, 443, 470
Habrobracon, 46, 441
Haematoceps, 582, 587
Haematocytometer, 360
Haematophagus, 470
Haemocoel, 259
Haemocytometer, 350, 542, 593
Haemolymph, 164, 319, 321, 326
Halophytic, 308
Halters, 644
Hazard, 239, 493, 529
Hazardous, 243, 487, 494, 530
Hazelnut, 100, 248
Helicotylenchus, 128
Helicoverpa, 39, 146, 165, 211, 212, 279, 280, 303, 342, 345, 347, 447, 452, 453, 455, 460, 469, 471, 551
Helicus, 577
Heliothinae, 46
Heliothine, 458
Heliothis, 39, 186, 457, 459
Helium, 605
Helminthological, 111, 176, 576, 578, 641
Helminthology, 176, 578
Helocoverpa, 46
Helopeltis, 455
Hematoplasma, 211
Hematoxylin, 181, 183, 184
Hemicellulose, 398
Hemicycliophora, 111
Hemiptarsenus, 307, 311, 416
Hemiptera, 20, 25, 89, 90, 149, 154, 156, 164, 165, 186, 251, 255, 256, 284, 313, 324, 344, 385, 431, 432, 442, 444, 445, 538
Hemipteran, 313, 442
Hemipterus, 323
Hemocytometer, 132, 485
Hemolymph, 204, 212, 213
Hemolysis, 544
Hepatic, 385
Hepatitis, 505
Hepatocytes, 490
Hepatoma, 505
Hepatoprotective, 534
Hepatotoxicity, 538
Herbaceous, 320, 502
Herbal, 240, 456, 537, 649
Herbarium, 455, 605
Herbicide, 389, 391
Herbicola, 15, 16
Herbivore, 20, 50, 277, 278, 304, 321, 324, 325, 327, 346, 419, 426, 428, 438, 442, 444, 455, 530, 624
Herbivorous, 53, 54, 140, 145, 302, 343, 419, 427, 431, 432, 454, 471
Hereditary, 498
Heritable, 321
Heterodera, 125, 128, 129
Heteroderidae, 200, 270
Heterogeneity, 170, 422, 424, 443
Heterogeneous, 495
Heterologous, 411
Heterophylla, 536
Heteroptera, 96, 146, 290, 291, 303
Heterorhabditidae, 259, 267, 269, 271
Heterorhabditis, 259, 262, 264, 268, 271

- Heterorhbditis, 260
Heterospecific, 419, 428
Hexaglypheus, 566
Hexaglyphus, 565, 566, 568, 570, 572, 575, 579
Histoarchitectural, 458
Histochemistry, 29, 317
Histogram, 60, 61, 64, 71, 72, 81, 223, 591, 592, 594, 595, 598
Histological, 184, 185, 483, 484, 486, 490, 493, 494
Histologically, 184
Histopathological, 453, 490
Histopathology, 483, 597, 601
Historically, 315
Holocyclic, 320
Holometabolous, 413
Homeostasis, 624
Homogenate, 350, 351, 462, 463
Homogeneity, 34, 77, 556
Homogeneous, 20, 61, 63, 64, 132, 495
Homogenization, 158, 462
Homogenous, 62, 322
Homology, 170, 263, 265, 581, 585, 617, 619
Homoptera, 29, 54, 55, 70, 96, 147, 154, 155, 245, 255, 256, 280, 290, 320, 328, 345, 441, 444
Homopteran, 321
Hoplolaimidae, 189, 199, 201
Hoplolaiminae, 199
Hoplolaimus, 189, 201
Hordeum, 54, 431, 433, 435, 437, 439, 440
Hormonal, 211, 313, 314, 316
Hormone, 90, 180, 184, 186, 204, 212, 313, 321, 323, 325, 326, 328, 550
Horticulture, 34, 54, 84, 199, 234, 279, 389, 397, 444, 459, 495, 504, 505, 538, 553, 562
Humidity, 1, 2, 20, 50, 78, 120, 133, 137, 158, 252, 266, 284, 285, 301, 304, 370, 431, 474, 485, 499, 531, 543, 560, 591, 593
Humilis, 110
Hyblaeidae, 455
Hybrid, 15, 230, 236, 443, 553, 555, 558, 559, 592, 601, 623
Hybridization, 589, 623
Hydroalcoholic, 535
Hydroalcoholic, 529, 536, 538
Hydrocellulose, 400
Hydrochloride, 461, 553, 555, 560
Hydrodistillation, 239, 241, 284, 370, 520, 605
Hydrodistilled, 240
Hydrolysis, 261, 265, 406, 409, 411, 463, 465, 466
Hydrolytic, 385
Hydrolyze, 151, 397, 401, 404, 406, 407
Hydrolyzed, 463, 465
Hydrophilic, 54
Hydrophobic, 165
Hydropic, 490
Hydroponic, 498, 504
Hydroxyquinoline, 593
Hygiene, 16, 227
Hymenoptera, 28, 30, 39, 40, 46, 47, 97, 150, 155, 303, 304, 307, 309, 311, 347, 417, 426, 441
Hymenopteran, 309
Hymenopterous, 46, 309, 417
Hymenoptera, 155
Hyperactivity, 243
Hypersensitive, 13, 495, 551, 617, 619, 621, 624
Hypersensitivity, 11, 12, 624
Hyperspectral, 86
Hypertrophy, 326
Hyphae, 127, 128, 379, 597
Hyphomycetes, 125, 136, 137, 652, 653
Hyphomycetous, 125, 384
Hypochlorite, 261, 499, 542, 601, 650
- ## I
- Ichneumonidae, 347, 426
Imidacloprid, 89, 98, 495
Immarginatus, 643, 645, 648
Immature, 28, 45, 95, 126, 139, 141, 143, 152, 154, 204, 274, 277, 279, 281, 283, 284, 291, 295, 296, 300, 301, 346, 435, 443, 459
Immunology, 29, 385, 386
Immunosorbent, 497, 498, 504
Immunotoxic, 349
Immunotoxicity, 327
Inactivation, 158, 354, 471, 502
Inbreeding, 45
Incapability, 502
Incapacity, 211
Incompatibility, 622
Incompatible, 617, 619, 621, 623
Indefungorum, 652
Indole, 13, 261
Indoxacarb, 90, 96, 337, 343, 346
Inducer, 317, 494, 541, 549
Infestation, 2, 8, 9, 11, 16, 44, 49, 50, 52, 54, 56, 71, 76, 157, 240, 293, 342, 367, 421, 459, 509, 515, 523, 553, 554, 560, 562
Inflammation, 537
Inflammatory, 534, 537
Influenza, 227
Infochemical, 429
Ingestion, 54, 89, 92, 95, 164, 279, 449, 451, 453, 467
Inhabiting, 254, 577
Inherent, 65, 75, 333

Inhibitor, 25, 30, 33, 34, 75, 158, 160, 166, 203, 204, 210, 212, 213, 318, 407, 461, 464, 466, 471, 483, 494, 541, 546, 548
Inhibitory, 9, 157, 165, 362, 369, 377, 380, 382, 384, 456, 463, 468, 469, 511, 548, 603, 606, 609, 611, 612
Injury, 35, 50, 136, 140, 318, 321, 325, 394
Inoculation, 33, 34, 77, 78, 81, 85, 126, 127, 229, 231, 233, 350, 352, 359, 361, 363, 364, 389, 390, 474, 476, 478, 479, 484, 485, 508, 509, 541, 543, 548, 591, 593, 595, 599, 617, 620
Inoculum, 11, 35, 77, 126, 127, 233, 350, 360, 361, 398, 474, 485, 508, 542
Inositol, 13
Insectarium, 294
Insectoacaricidal, 536
Insectology, 9, 123, 417, 588
Integration, 75, 284, 290, 343, 345, 514, 519
Intestinal, 100, 191, 192
Intestine, 100, 169, 173, 174, 189, 191, 192, 569, 570, 572, 575
Intraspecies, 193
Intraspecific, 36, 46, 192, 252, 443, 570
Intrinsic, 21, 22, 27, 28, 139, 141, 142, 145, 154, 273, 275, 277, 279, 293, 295, 296, 299, 301, 302, 431, 434, 437, 439, 441
IPM, 28, 40, 47, 59, 96, 135, 137, 140, 164, 234, 273, 283, 284, 288, 294, 302, 338, 342, 344, 431, 519, 524, 553, 556, 558, 562
Ipomoea, 461, 466, 469, 472
Irrigation, 49, 54, 334, 338, 361, 420, 556, 558, 559
Isoamyl, 619
Isoamylases, 164
Isoaromadendrene, 611
Isoelectric, 399, 407
Isoeugenol, 369, 373
Isoforms, 465
Isomer, 611
Isoseychellene, 611
Isospathulenol, 611
Isothermality, 218, 220
Isotope, 524, 525
Isozyme, 386
Isthmus, 100, 569, 570, 572, 628, 631, 634, 637

J

Jackknife, 141, 280, 439, 440, 442, 443
Jasmonate, 470, 591, 593, 597, 599, 601, 624
Jasmonic, 551, 592
Juvenile, 90, 125, 128, 129, 139, 141, 142, 204, 259, 262, 314, 315, 317, 318, 325, 326, 507, 511, 513

K

Kanamycin, 474
Kinetics, 30, 411
Kurstaki, 337, 340, 342, 343, 345

L

Lacanobia, 26, 30, 164
Laccase, 397, 409
Lacewings, 338, 344
Lacordairana, 247
Lactase, 548
Lactic, 350
Lactophenol, 361, 650
Ladybeetle, 90, 92, 95, 442, 444
Ladybird, 89, 327, 338, 431, 433, 438, 440, 442, 444
Lampyridae, 179, 187
Lamueladefense, 355
Landscape, 216, 224, 327
Laniaceae, 291
Lapsus, 169
Larvicidal, 129, 447, 454, 456, 458, 460
Las, 165, 393
Lauraceae, 245, 447, 449, 460, 605
Leafhopper, 26, 30, 136, 479, 588
Leaflets, 231, 458
Leafminer, 273, 274, 277, 279, 309, 310, 337, 417
Leafroll, 504, 505
Leafspot, 502
Lecanicillium, 135
Lecithinase, 261
Lecitinase, 265
Lectularis, 323
Lectularius, 319
Legume, 75, 136, 165, 240, 471, 481, 526, 550
Legumin, 164
Leguminosae, 454
Leguminosorum, 367
Leishmaniasis, 226
Lepidopteran, 39, 40, 204, 342, 343, 413
Lepidopterists, 267
Lepidopterous, 122, 303, 344, 414, 470
Lepidoptera, 456
Leptinotarsa, 139, 140, 142, 148, 321, 378, 470
Leptonchidae, 169, 170, 176
Leptonchus, 169, 171, 175, 177
Leptos, 99, 101, 107, 110, 113
Leucopteridae, 416
Leucopterus, 137
Lichens, 627
Ligation, 619

- Lignocellulose, 410
Lignocellulosic, 407, 410
Likelihood, 190, 192, 196, 200, 269, 280, 346
Lilacinum, 137
Lilacinus, 128, 129, 377, 378, 380, 382, 387
Lilacinuscultured, 385
Limon, 283, 284, 286, 290, 292
Limoncella, 354
Limonene, 289, 291
Limonoids, 342
Linalool, 243, 604, 611, 612
Lindane, 317
Linoleic, 116
Lipaphis, 245, 441
Lipophilic, 243, 317
Lipopolysaccharide, 623
Lipoxygenase, 30
Liriomyza, 309, 310
Loam, 332
Loamy, 474, 508
Locus, 230, 235, 367, 481
Locust, 184, 313, 314, 318, 320, 323, 328
Locusta, 316, 318, 323, 325, 328
Longicauda, 566, 575, 577
Longidoridae, 111
Longimatricalis, 575, 576
Longitudinal, 179, 189, 191, 192, 644
Looper, 314, 320, 323, 325, 338, 456
Lucerne, 588
Luciaphorus, 267
Lucida, 261
Luciola, 179, 180, 182, 187
Lumen, 54, 169, 173, 455
Luminescens, 259, 260, 262, 265, 268, 271
Lumondii, 260, 266
Lure, 338, 553, 560
Luteoviridae, 505
Lycopersicon, 273, 337, 345, 346
Lycopersicum, 281, 473, 482
Lymantria, 314, 315
Lymantriidae, 315
Lyme, 226
Lyonetiidae, 414
Lyophilized, 21
Lyse, 361
Lysine, 13, 116, 122, 461
Lysis, 261, 362
Lysophosphatidylcholines, 319
- M**
- Machlomovirus, 215, 216, 225, 228
Macronutrient, 332, 333, 507, 509, 511, 514
Macrophomina, 604
Macropilis, 428
Macrosiphum, 443
Malaria, 7, 226, 227
Malathion, 8, 47, 90, 525
Mammalian, 12, 15, 184, 484, 493
Mandibles, 144
Mandschuricus, 240
Manduca, 30
Mannitol, 13
Mannose, 30
Mantid, 185
Manure, 50, 334, 514, 515
Mating, 91, 116, 121, 122, 251, 281, 433, 435, 449, 560
Matlab, 61, 252, 593, 594, 596, 598
Maurorum, 529, 535, 539
Mealworms, 326
Mealybug, 90, 97
Mechanoreception, 319
Mechanosensory, 327
Medicago, 581, 588, 589
Medicinal, 2, 7, 8, 20, 239, 240, 244, 374, 448, 453, 456, 459, 488, 489, 495, 505, 519, 524, 529, 530, 532, 534, 538, 603, 605, 612, 614, 649, 653
Megalurothrips, 135, 136
Melanins, 316
Melanization, 316
Melanogaster, 186
Melanogryllus, 184
Melanostomine, 647
Melia, 342, 457
Meliaceae, 342, 346
Melibiose, 13
Mellifera, 184, 316
Meloidoginose, 515
Meloidogyne, 125, 130, 386, 507, 508, 510, 517
Melon, 11, 15, 16, 280, 364, 366, 483
Melongena, 553, 562
Menochilus, 89, 90, 93, 94, 97, 98, 441
Menoza, 316
Mentha, 284, 291, 370, 374, 530, 604, 607, 614
Mercaptoethanol, 20, 399
Mercapturic, 154
Meristem, 498, 503, 504
Meristematic, 54
Mesonotum, 644
Mesophyll, 203, 273, 495, 597
Mesoscutum, 414
Mesothoracic, 181
Metabolism, 53, 55, 154, 186, 204, 211, 213, 313, 315, 317, 325, 334, 355, 385, 469, 604
Metabolomic, 328

- Metacarpus, 565
Metaflumizone, 343
Metalloenzyme, 317
Metamorphosis, 179, 180, 183, 204, 325
Metapopulation, 227
Metarhizium, 131, 132, 134, 136, 138, 314, 328
Metasample, 429
Metasoma, 414
Metathoracic, 183
Methathoracic, 181
Methionine, 351
Methoxyfenozide, 346
Methoxymellein, 355
Methoxymesitylene, 611
Methylenecholesterol, 279
Methyleugenol, 369, 373
Methyltransferase, 56
Microbe, 15, 269, 592, 623, 625
Microbial, 128, 132, 165, 313, 350, 352, 366, 411, 433, 485, 494, 495, 524, 525
Microbiota, 514
Microclimate, 601
Microcloth, 350
Microcrystalline, 400
Microfibril, 411
Microlepidoptera, 249, 561
Microlepidopters, 308
Microtome, 181
Microtrichose, 645
Migration, 227, 313, 315, 322, 324
Migratoria, 316, 318, 319, 324, 325
Migratorioides, 318
Migratory, 314, 319, 323, 326, 447
Mildew, 75, 229, 236, 393, 394, 483, 488, 490, 496, 592, 601
Millefolium, 530
Millet, 2, 166, 304, 470, 628
Mimics, 204, 318
Miridae, 344
Mitochondria, 317, 318
Mitochondrial, 623
Mitotic, 382
Mollicutes, 588
Molluscicides, 458
Molting, 203, 204, 293
Momphidae, 414
Monocrotophos, 553, 554, 560
Monooxygenase, 322
Monoterpenoid, 239, 243, 245
Monovariate, 390
Month, 49, 126, 127, 218, 220, 240, 315, 420, 422, 425, 497, 556
Moringa, 26, 29
Morphogenetic, 455
Morphogenic, 318
Morphologic, 263, 333
Morphometric, 99, 101, 103, 106, 109, 111, 169, 173, 174, 189, 191, 259, 261, 263, 322, 456, 516, 565, 566, 569, 570, 572, 574, 575, 627, 631, 632, 634, 637, 638, 640
Morphometrical, 259, 262
Morphometry, 324
Mosquito, 9, 213, 290, 314, 315, 323, 326, 443, 455, 459
Mosquitocidal, 459
Mucilaginous, 649
Mulberry, 203, 205, 212, 213, 355
Multicinctus, 128
Multicolilnearity, 218
Multicolored, 345
Multicoloredasian, 96
Multicystatin, 469, 471
Multiflora, 613
Multifractal, 71
Multigene, 470
Multigenic, 550
Multivariate, 390, 392
Multivitamin, 116
Multivoltine, 273
Musca, 212
Muscadinia, 230, 235
Muscarium, 135
Muscidae, 212
Muscles, 183, 313, 318
Mutagenesis, 505
Mutagenic, 349
Mutant, 624
Mutation, 623
Mutualistic, 269
Mycelia, 361, 363, 378, 380, 385, 398, 593, 650
Mycelial, 126, 360, 362, 380, 385, 546, 603, 606, 607, 609, 610
Myceliophagus, 566, 575, 577
Mycelium, 126, 132, 544, 606
Mycobacterium, 458
Mycoparasitic, 366, 383
Mycopesticide, 136
Mycophagous, 565, 643
Mycoplasma, 226, 589
Mycoplasmalike, 589
Mycoplasmology, 589
Mycorrhiza, 360, 361, 366
Mycotoxin, 349
Myocardial, 537
Myrcene, 243, 611

Myzus, 20, 29, 30, 55, 56, 154, 155, 164, 289, 320, 324, 325, 441, 538

N

Naeem, 349, 351, 353, 355, 357, 550
Nanus, 565, 566, 568, 572, 575, 579
Naphthol, 151, 153, 154
Naphthyl, 151
NCBI, 13, 14
Nearctic, 417, 647
Necrosis, 215, 218, 220, 228, 317, 597, 598, 617, 621
Necrosisjones, 226
Necrotic, 332, 333, 497, 504, 505, 597
Nectar, 431, 646
Nectrotrophic, 550
Nematicidal, 604, 614
Nematicide, 125, 514
Nematoda, 99, 111, 113, 176, 189, 199, 201, 267, 269, 386, 565, 576, 579, 627, 640, 642
Nematodaerrantia, 110
Nematode, 75, 99, 100, 110, 112, 125, 129, 169, 170, 173, 176, 190, 199, 200, 213, 259, 260, 263, 270, 377, 378, 383, 384, 507, 509, 511, 514, 516, 565, 566, 576, 578, 613, 627, 628, 640, 641
Nématodes, 267
Nematophagous, 125, 128, 378, 383, 385
Nematophila, 260, 266, 269
Nematophilus, 266, 267
Nematropica, 516
Neoaliturus, 582, 587
Neonate, 141, 142
Neonicotinoid, 90, 95
Neoseiulus, 153, 420, 427, 428
Neotropical, 280
Neotylenchidae, 577
Nephotettix, 29
Nepovirus, 497
Nepticulidae, 308, 414
Nerium, 372, 530, 535, 537
Nerolidol, 611
Nervous, 90, 179, 180, 184, 186, 316
Nesidiocoris, 343, 344, 346
Nested, 508, 581, 582, 585, 586, 588
Neural, 76, 85, 86, 591, 592, 594, 596, 598, 601
Neuroactive, 186
Neuroanatomical, 186
Neuroblast, 186
Neurochemical, 185
Neuroectoderm, 186
Neuroendocrine, 185, 186
Neurohemal, 180, 186
Neurohormone, 180, 313, 316

Neurolemma, 183
Neuromodulation, 185
Neuromodulator, 180
Neurons, 180, 186, 591, 596, 598, 600
Neuropeptide, 180
Neuropeptide, 180, 184, 321
Neurophylogeny, 185
Neuroptera, 97, 302, 339, 444
Neuroscience, 184, 186
Neurosecretion, 184, 186, 317
Neurosecretory, 179, 181, 184, 186, 319
Neurotoxic, 349
Neurotransmitter, 180
Neuseiulus, 290
Niche, 215, 221, 223, 226, 227, 268, 377
Nicotiana, 154, 617, 618, 622
Nigricans, 417
Nigrispinus, 303
Nigrivenella, 280
Nigrospora, 652, 653
Noctuid, 447, 456
Noctuidae, 26, 30, 46, 122, 146, 165, 204, 211, 213, 244, 280, 293, 323, 325, 342, 346, 347, 447, 455, 456, 459, 470, 538, 551
Noldus, 116, 123, 140, 147, 300, 304
Nomadacris, 326
Nonanucleotide, 480
Nonpicoxystrobin, 35
Nonribosomal, 589
Nonspecific, 548
Nontoxic, 288
Nontransgenic, 28
Nothotylechus, 565
Nothotylenchinae, 577
Nothotylenchus, 565, 576, 577
Notorious, 453
Nourishment, 54, 302
Nucleic, 15, 268, 270, 480, 589, 624
Nucleoside, 498
Nucleotide, 192, 265, 619
Nucleus, 179, 181, 189, 192, 194
Nutmeg, 369, 373
Nymphalidae, 116

O

Ocellata, 443
Ocellus, 308
Ocimene, 608, 611
Ocimum, 155, 243, 245, 284, 448
Octapeptides, 316
Octopamine, 180, 186
Odontophore, 169, 173

Odontostyle, 169, 173
Oecophoridae, 414, 416
Oesophageal, 578
Oesophagus, 263
Offspring, 27, 28, 141, 296, 299, 301, 315, 319, 321, 322, 431, 436, 438, 439
Oilseed, 55, 75
Olfactometer, 421
Olfactory, 419, 430, 471
Oligonucleotide, 475
Oligophagous, 247, 273
Oligosaccharide, 20, 407, 410
Ommatidia, 181
Oncopeltus, 319, 324
Onion, 11, 12, 14, 16, 136, 137, 346, 359, 368, 429, 548, 586
Oocytes, 174, 569, 570, 572, 628, 631, 634, 638
Oogenesis, 213
Oogenetic, 96
Oostatic, 180
Operon, 261, 582
Ophthalmology, 385
Organophosphorus, 213
Origanum, 243, 244
Ornamental, 49, 497, 503, 505, 530, 592
Ornamented, 99
Ornithine, 13
Orthoptera, 184, 325, 326
Oryzaephilus, 304
Oryzivora, 279
Oscillogram, 252, 253
Osmolytes, 53
Osmophloeum, 290
Osmotic, 53
Ovary, 101, 169, 172, 174, 569
Overexpression, 328, 355, 625
Overgrow, 361, 362
Overwintering, 320, 325
Ovicidal, 288, 373
Ovicide, 46
Oviduct, 169, 174
Oviposition, 19, 22, 24, 28, 45, 56, 91, 92, 95, 122, 155, 204, 205, 244, 273, 276, 278, 281, 284, 291, 295, 297, 300, 301, 369, 373, 433, 435, 438, 443, 449, 464, 470
Ovipositor, 211
Oxadiazine, 343
Oxalate, 485, 491, 495
Oxalic, 483, 485, 487, 492, 495, 496, 541, 542, 544, 548
Oxaloacetic, 495
Oxysporium, 653
Oxysporum, 359, 366, 367, 548, 550, 592, 601, 604, 614, 652

P

Pachysphyria, 643
Pachytylus, 328
Paecilomyces, 125, 130, 377, 380, 382, 387
Paecilomyces, 378
Page, 21, 159, 162, 269, 397, 399, 400, 403, 404, 406, 407, 409, 412, 463, 466
Palearctic, 248
Palm, 190, 566, 570, 628
Palomares, 566, 576, 578
Pancreatic, 163, 165
Pandasyphthalmus, 643
Panonychus, 428
Papilio, 321, 326
Papyrifera, 100
Paraneoptera, 183
Paraperaticus, 111
Parasite, 36, 46, 47, 112, 125, 129, 151, 199, 200, 314, 316, 319, 413, 516, 565, 576, 578, 627, 641
Parasitism, 20, 39, 42, 44, 45, 244, 303, 309, 344, 415, 416, 641
Parasitoid, 39, 47, 97, 116, 150, 294, 303, 304, 307, 309, 310, 314, 343, 344, 347, 413, 417, 426, 428, 431, 432, 554
Paratylenchidae, 111, 112
Paratylenchinae, 111
Paratylenchus, 99, 113
Paratypes, 110
Parsaeyan, 338, 346
Parsimony, 190, 192, 197, 200, 269
Partellus, 461, 462, 464, 472
Parthenogenetic, 320, 321
Pathogenesis, 125, 328, 349, 350, 384, 548, 597, 623, 625
Pathogenfactors, 622
Pathogenic, 11, 16, 134, 135, 227, 233, 261, 377, 378, 380, 383, 384, 386, 549, 589, 650, 652
Pathogenicity, 11, 12, 14, 15, 37, 125, 126, 128, 130, 132, 134, 136, 138, 236, 261, 267, 386, 542, 652
Pcymene, 239
Peach, 20, 30, 146, 155, 164, 353, 355, 356, 502, 589
Peacilomyces, 383, 384
Peanut, 366, 585, 586
Pecilomyces, 380, 382
Pectinases, 548
Pectinophora, 204, 213
Peganum, 162, 535, 537
Pelargonium, 369, 370, 375
Penicillia, 385
Penicillin, 126
Penicillium, 349, 353, 357, 398
Penicillium, 355

- Pennicornis, 28, 30
Pentatomidae, 96, 303
Penthiopyrad, 33, 38
Peppermint, 614
Peptide, 158, 180, 185, 316
Peptidergic, 186
Peptone, 12, 378, 618
Periasamy, 481
Perminimus, 110
Perniciosus, 267
Peroxidase, 317, 349, 350, 398, 483, 486, 488, 489, 493, 514, 550, 621, 623, 624
Pesticidal, 153, 457, 525, 604
Pesudomonas, 622
Phakopsora, 75, 87
Phalaenopsis, 76, 86
Phanerochaete, 398
Pharyngeal, 100, 102, 105, 107, 108, 169, 171, 173, 189, 192, 194, 567, 573, 575, 629, 633, 635, 636, 638, 639
Pharynx, 100, 101, 103, 106, 109, 169, 173, 181, 191, 261, 568, 570, 572, 574, 575
Phaseolina, 604
Phaseolus, 163, 165, 420, 473
Phaseulus, 284
Phasmid, 191
Phellandrene, 611
Phenacoccus, 444
Phenoxidase, 211
Phenylalanine, 549
Phenylamides, 483
Phenylmeasured, 261
Phenylpropanoids, 549
Pheromone, 29, 115, 117, 119, 121, 123, 180, 317, 338, 553, 556, 558, 561
Phloem, 54, 56, 321, 325
Phloxin, 181, 183, 184
Phlyctema, 351
Phoenix, 252
Phoma, 652, 653
Phomopsis, 652, 653
Phosphatase, 149, 151, 153, 155
Photobiology, 495
Photochemical, 484, 494
Photochemistry, 494, 495, 536
Photofenton, 495
Photoformation, 490
Photolysis, 495
Photoperiod, 20, 33, 34, 40, 50, 120, 121, 123, 139, 150, 158, 204, 284, 285, 293, 295, 300, 319, 385, 414, 420, 421, 431, 433, 449, 593, 618
Photoproduction, 493
Photorhabdus, 259, 260, 262, 265, 268, 271
Photosynthesis, 50, 157, 283, 494
Phycitidae, 47
Phyllocnistidae, 416
Phyllocnistis, 416
Phyllophilum, 652, 653
Physicochemical, 333, 354, 355, 397, 407, 409
Phytoalexin, 355, 548, 550
Phytohemagglutinin, 29, 155
Phytophthora, 366, 367, 393, 394, 624
Phytoplasma, 581, 589
Phytosanitary, 11, 216
Phytoseiid, 420, 427, 428
Phytoseiidae, 137, 290, 346, 419, 420, 428, 430, 525
Phytoseiulus, 153, 290, 346, 419, 420, 422, 424, 426, 428, 430, 525
Phytosterols, 450, 452, 453
Phytotoxic, 285, 502, 503, 514
Pinaceae, 447, 449, 460
Pineapple, 11, 16
Pinus, 447, 449, 451, 452, 454, 457, 460
Pinworm, 280, 345, 346, 416
Piperaceae, 536
Piperita, 370, 373, 374, 604, 614
Piperoctadealidne, 458
Pirimicarb, 441
Pirimiphos, 244
Piruvate, 13
Pistachio, 19, 89, 91, 96, 115, 116, 118, 122, 199
Pistacia, 89, 90
Pistaciae, 89, 95, 98
Pisum, 30, 165, 315, 320, 442
Plasmodium, 316, 326
Plasmolytic, 514
Plastid, 621
Platinum, 475
Platycheirus, 643, 646, 648
Pleiotropic, 622
Plethora, 180
Plodia, 39, 46, 47, 240, 370, 374, 530, 538
Plutella, 342, 346, 454, 457
Plutellidae, 346
Podisus, 96, 303
Pollination, 321
Pollinator, 322, 643, 646
Polyacrylamide, 164, 399, 403, 463, 583, 586, 619, 622
Polyacrylate, 51
Polycarboxylate, 491
Polyethylene, 55, 350
Polygalacturonase, 625
Polygenic, 622
Polygonaceae, 162
Polyhedrosis, 327
Polyphenoxidase, 483, 486, 488, 490, 494
Polyphyletic, 385

Polyphylla, 268, 269
Pomegranate, 19, 20, 115, 123
Porphyrophora, 321
Postembryonic, 111, 441
Postharvest, 213, 349, 549, 591, 593, 601, 614
Predaceous, 97, 176, 427, 440
Preimaginal, 115, 117, 118, 120
Preingestive, 456
Preovipositional, 435
Prepupa, 142, 143, 203
Prepupae, 119, 121
Prepupal, 117, 118, 120, 141, 325
Presymptomatic, 600
Prophylaxy, 319
Prophyrophora, 328
Propiconazole, 389, 390
Prostephanus, 153
Protease, 128, 129, 158, 164, 165, 186, 461, 471
Proteasome, 474
Proteinaceous, 157, 160, 163, 165
Proteinase, 466, 467, 469, 471
Proteobacteria, 268
Proteolytic, 164, 461, 463, 470
Proteome, 320
Proteomic, 56, 154, 324, 407
Prothoracicostatic, 184
Prothoracicotropic, 184, 186
Protocerebral, 185
Protocerebrum, 179, 181
Prunus, 355, 497, 498, 502, 505, 566
Pseudomonas, 7, 352, 364, 366, 367, 377, 378, 383, 387, 515, 516, 550, 622, 623, 625
Pseudoperonospora, 483, 494, 496
Pseudoplatychirus, 643
Psycrophilic, 385
Pssylla, 89, 92, 95
Pssyllid, 90, 95, 431
Pssyllidae, 89, 90
Pssyllophagous, 96
Pteromalidae, 309
Pteronyssinus, 290
Puccinia, 389, 395
Pucciniastriformis, 394
Pulegium, 284, 291, 370, 373, 374, 605, 607
Pumpkin, 483
Pun, 86
Punica, 115, 162
Punicaceae, 115
Punicaceae, 162
Punicae, 566
Pygmaeus, 343, 344, 416
Pygmephoridae, 267
Pyllocnistis, 416

Pylogenetic, 171
Pymetrozine, 97, 441
Pyralid, 39, 45, 203, 204, 212, 441
Pyralidae, 19, 28, 31, 39, 46, 48, 122, 124, 203, 204, 212, 214, 267, 280, 293, 374, 441, 461, 470, 472, 538, 561, 562
Pyrallidae, 458
Pyrenophora, 550
Pyrethrins, 47, 244
Pyrethroid, 342, 450, 456, 470
Pyricularia, 377, 378, 380, 383, 385, 387
Pyridalyl, 346
Pyriform, 100, 569, 570, 572, 628, 631, 637
Pyriproxyfen, 89, 98, 212, 318, 324
Pyroglyphidae, 290
Pyrhocoridae, 313, 324, 325
Pyrrolidone, 351
Pyrrolizidine, 116
Pyrus, 354
Pyruvate, 13, 486, 489, 490
Pyruvic, 495
Pythium, 360, 366

Q

Quinone, 33, 316, 350, 352
Quinquefasciatus, 458, 459
Quinscence, 355

R

RANi, 450, 458, 471
Rapeseed, 110, 646
Raphanus, 467, 468
Rectum, 174, 191, 192
Redescription, 176, 199, 267, 576, 577, 640
Reduviidae, 385
Rehydration, 593
Replication, 42, 91, 137, 205, 275, 285, 286, 339, 360, 361, 370, 382, 383, 389, 390, 434, 473, 475, 477, 481, 498, 499, 521, 543, 544, 555, 596, 603
Reproduction, 9, 22, 27, 55, 89, 92, 94, 97, 116, 128, 139, 141, 145, 203, 204, 206, 211, 268, 278, 280, 295, 300, 302, 313, 316, 318, 320, 321, 325, 326, 431, 434, 436, 438, 444, 509, 511, 513, 514, 516
Reverse, 95, 170, 190, 261, 524, 612
Rhabditid, 267
Rhabditida, 259, 267, 269, 271
Rhabdus, 268
Rhabditiae, 269
Rhizobia, 516
Rhizobium, 366, 367
Rhizoctonia, 29, 33, 35, 38, 360, 548, 550

Rhizopertha, 240, 525
Rhizophora, 457
Rhizophoraceae, 457
Rhizopus, 604, 613
Rhizosphere, 99, 101, 111, 170, 189, 190, 360, 361, 366, 566, 570, 575, 627, 631, 632, 637, 638
Rhodnius, 186
Rhopalosiphum, 54, 56, 154
Rhyzopertha, 1, 162, 369, 371, 372, 375, 530, 536
Ribavirin, 497, 505
Riboflavin, 351
Ribofuranosyl, 499
Ribosomal, 199, 260, 266, 582, 586, 588
Rice, 1, 9, 11, 16, 29, 34, 36, 55, 56, 76, 86, 153, 154, 164, 199, 279, 293, 300, 304, 346, 365, 373, 380, 385, 441, 470, 493, 550
Rifampicin, 474
Riparium, 447, 449, 452, 460
Rosmarinus, 162, 284, 291, 519, 521, 524, 527, 613
Rosemary, 519, 524
Rotundifolia, 230, 235
Rotylenchulus, 129, 515
Rubiales, 549, 551
Ruditapes, 29
Rupestris, 236

S

Saccharification, 398, 407
Saccharomyces, 377, 380, 382, 383, 387
Saccharum, 190
Salicylate, 428
Salicin, 261, 265
Salicylic, 356, 541, 542, 544, 551, 592, 649
Salicylicacid, 550
Saline, 180, 398
Salinity, 89, 514, 550
Saliva, 149
Salivary, 165
Salmonella, 377, 378, 383, 387
Salvia, 284, 530, 604, 607, 614
Saponins, 450, 452, 455, 459, 649
Saprobic, 377, 383, 384
Saprophagous, 643
Saprophyte, 366
Saprophytic, 115, 364, 365, 652
Sarrachoides, 321
Scab, 352, 355, 592, 601
Scarabaeidae, 185, 268
Sclerotia, 385
Sclerotinia, 352, 360, 393
Sclerotised, 169, 173, 569, 572
Scrobipalpula, 281

Scutelleridae, 146, 165
Scutellum, 193, 194, 414, 644
Semiachemicals, 53
Semipurification, 465
Septoria, 393, 394
Septoriosiis, 393
Sequence, 12, 14, 15, 96, 169, 170, 174, 176, 190, 193, 200, 252, 259, 266, 268, 270, 328, 411, 473, 475, 480, 581, 583, 585, 586, 588, 619, 620
Sequencer, 12, 170
Sequestrene, 507, 508
Serine, 128, 165, 186, 465, 466, 470
Sesame, 587, 589
Sesquiterpene, 7, 604, 621, 623
Sexmaculatus, 89, 98, 441
Sitobion, 155, 431, 432, 445
Sitophilus, 1, 8, 153, 154, 162, 164, 239, 240, 242, 246, 304, 369, 373, 457, 458, 525, 537, 538
Sitosterol, 116
Sitotroga, 1, 4, 6, 8, 10, 293, 294, 296, 300, 302, 305
Sitphilus, 245
Soilborne, 377
Solaimanian, 613
Solanaceae, 162, 337, 454, 456, 553, 561
Solanaceaeous, 562
Solanacearum, 617, 626
Solanaceous, 140, 147, 273, 280, 553
Solanum, 145, 146, 321, 454, 456, 467, 468, 473, 482, 504, 515, 553, 562, 570, 618, 623
Soliborne, 378, 383
Solidification, 543
Solitariness, 315
Solitary, 319
Sorbitol, 13
Sorghum, 2, 300, 302, 304, 431, 433, 435, 437, 439, 440, 461, 462, 469, 470, 623
Soybean, 30, 34, 75, 86, 116, 122, 304, 345, 366, 443, 471, 516, 588
Speciation, 252, 255, 321, 322, 325
Spermatheca, 100, 101, 108, 189, 193, 194, 569, 570, 628, 631, 634, 638
Spermatocytes, 570, 574, 629, 637, 638
Sphaeropsis, 652, 653
Sphaerospermum, 649, 650, 652, 654
Sphaerotheca, 495
Sphareospermum, 651
Sphingidae, 30
Spinosaad, 90, 96, 342, 343
Spiracles, 6
Spiraeicola, 147
Spirotetramat, 97

- Spodoptera, 20, 29, 204, 213, 240, 244, 280, 314, 318, 320, 323, 325, 347, 453, 455, 456, 458, 471, 524, 526, 538
Spore, 15, 136, 157, 340, 350, 360, 361, 365, 390, 398, 431, 484, 485, 494, 542, 543, 593, 650
Sporulation, 78, 133, 342, 385, 542, 543, 650
Staining, 179, 184, 366, 407, 619, 622
Steinernema, 213, 259, 260, 262, 264, 268, 269, 271
Steinernematid, 269
Steinernematidae, 259, 267, 269, 271
Strawberry, 484, 495, 497, 498, 613, 632
Streptococcus, 377, 378, 383, 387
Streptomyces, 128
Streptomycin, 126
Streptozotocin, 536
Striformis, 393
Strigicollis, 289, 291, 428
Striiformis, 389, 395
Subbotin, 112, 190, 200, 269, 270, 578
Subcellular, 55
Subcontinent, 115, 554
Sublethal, 89, 92, 96, 97, 203, 204, 206, 208, 210, 212, 214, 244, 317, 320, 324, 325, 346
Subterranean, 326
Subterranean, 15
Subterranean, 315
Subtilis, 377, 378, 382, 383, 387, 515
Subtropical, 49, 89, 129, 354, 516, 652
Subunit, 193, 493
Sugarbeet, 36, 37
Sugarcane, 28, 30, 56, 189, 190, 195, 199, 216
Sulfosulfuron, 390
Sulfoxide, 462
Superoxide, 317, 349, 350, 484, 624
Superphosphate, 507, 509
Survivorship, 28, 54, 141, 143, 146, 300, 434, 444
Sweetpotato, 289, 345
Symbionts, 259
Symbiosis, 265, 364, 366, 385
Symbiotic, 259, 260, 262, 264, 268, 270, 361, 652
Synchronization, 431
Syndrome, 333
Synergism, 239, 280, 397, 410, 519, 521, 522
Syrphid, 643, 644, 646
Syrphidae, 339, 643, 644, 646, 648
Syrphinae, 643, 646, 647
- T**
- Tabacum, 154, 617, 618, 622
Tensiofix, 285
Termite, 315, 326
Terpenes, 604
Terpenoid, 321, 451, 454, 457, 622
Terpinene, 239, 243, 603, 604, 608, 611, 616
Terpineol, 611
Terpinolene, 611, 612
Tetracycline, 398
Tetranortriterpenoid, 342
Tetranychidae, 56, 213, 283, 290, 291, 304, 419, 427, 430, 525, 538
Tetranychus, 153, 154, 213, 283, 284, 287, 288, 290, 292, 304, 419, 421, 426, 430, 509, 525, 530, 538
Tetrastichinae, 310, 413, 416, 417
Tetrazolium, 261, 351
Teucrium, 605
Thermography, 592, 600, 601
Thermo-inactivation, 165
Thermophilic, 410
Thermotherapy, 497, 505
Thuringiensis, 128, 158, 337, 338, 340, 342, 347
Thylactus, 628
Thyme, 613, 615, 628
Thymol, 239, 241, 243, 261, 603, 604, 608, 611, 612, 616
Thymus, 162, 239, 246, 284, 288, 289, 603, 605, 608, 610, 612, 613, 616
Thysanoptera, 131, 136, 138, 216, 225, 290, 291
Tibiae, 645
Tibicinidae, 255
Tibicininae, 256
Tobacco, 11, 13, 30, 76, 86, 97, 154, 244, 432, 456, 505, 526, 549, 592, 617, 626
Tortricid, 45, 249
Tortricidae, 213, 247, 249, 250, 414, 416
Tortricinae, 247, 249, 250
Toxicant, 313, 314, 321, 453, 538
Toxoptera, 55
Transaminase, 486, 490, 495
Transcaucasus, 645
Transcript, 617, 619, 622
Transcription, 622, 623
Transcriptome, 617, 618, 620, 624, 626
Transcriptomic, 155
Transduction, 328
Transferase, 149, 151, 153, 154, 326
Transformation, 3, 13, 61, 80, 314, 321, 451, 480
Transgenic, 28, 30, 165, 166, 352, 355, 441, 461, 469, 470
Transilluminator, 582, 583
Transpiration, 50, 591, 592, 597, 601
Transplanting, 555, 556, 558, 559
Trialeurodes, 289, 290
Triatoma, 385
Triatominae, 324
Triazole, 499

Triazophos, 553, 554
Trichoderma, 359, 368, 385, 397, 405, 408, 412
Trichodermaviride, 410
Trichogramma, 116, 294, 303, 304, 344, 416
Trichogrammatidae, 303, 304, 344
Trichoplusia, 314, 453, 456, 470
Tricinatum, 359
Tripidae, 136
Triterpenoids, 530
Triterpens, 530
Triticale, 165
Tritici, 321, 328, 389, 395
Triticum, 50, 392, 431, 433, 435, 437, 439, 440, 637
Triton, 159, 450
Tritriphicacarine, 429
Tritrophic, 427, 429, 440
Trogoderma, 162, 537
Trypsin, 25, 75, 180, 461, 463, 465, 467, 469, 471
Turncurtovirus, 481
Tylenchida, 111, 112, 199, 200, 576, 578, 627, 640, 641
Tylenchidae, 386, 576, 578, 627, 628, 630, 632, 634, 636, 638, 640, 642
Tylenchina, 111, 577, 641
Tylenchinae, 576, 578, 627, 641
Tylenchoid, 629, 637, 638
Tylenchoidea, 576, 577, 627, 641, 642
Tylenchomorpha, 577, 627, 642
Tylenchulidae, 99, 111, 113
Tylenchus, 576, 627, 628, 634, 637, 639, 642
Tylosorinae, 627
Tylophora, 454, 457
Typhlodromus, 427, 428
Typhoid, 2, 7
Typographus, 97
Tyramine, 180, 186
Tyrophagus, 291

U

Ubiquitin, 474
Umbelliferae, 536
Uncinula, 229, 235, 237, 351
Unguicellus, 309
Unguiculata, 8, 473
Urogenital, 2, 7

V

Vaporariorum, 289, 290
Variegata, 431, 445
Varroa, 153, 155
Varroidae, 155
Varroosis, 155

Venom, 164
Vermiculite, 474, 618
Vermiform, 112, 176, 200, 516, 578, 641
Veronica, 355
Vertebrate, 39, 185, 204
Verticillium, 137, 331, 336
Virulence, 78, 131, 133, 135, 137, 360, 365, 502
Virus, 20, 131, 136, 215, 217, 219, 228, 314, 315, 327, 351, 354, 355, 473, 475, 477, 481, 497, 506, 592, 600, 622
Vitamin, 116, 120, 464, 649
Vitellogenesis, 211
Viticulture, 236
Vitis, 136, 229, 231, 235, 237

W

Wax, 39, 42, 44, 46, 48, 190, 260, 261, 267, 621, 623
Weevil, 137, 153, 164, 165, 240, 245, 471, 525, 526
Whitefly, 59, 66, 68, 72, 90, 95, 96, 147, 280, 289, 291, 304, 339, 345, 431, 479, 480

X

Xanthocarpum, 553
Xanthogaleruca, 165, 166
Xanthogalerucella, 157, 160, 163, 167
Xenobiotics, 20, 154, 316, 317
Xylan, 397, 406
Xylanase, 406, 407, 548
Xylem, 516
Xylene, 181
Xylophia, 244
Xylosidase, 398
Xylostella, 342, 346, 454, 457

Y

Yeast, 12, 20, 116, 120, 132, 350, 356, 377, 380, 382, 384, 398, 461, 464, 530, 618
Yponomeutidae, 457

Z

Zabrotes, 155
Zanthoxyloides, 8
Zanthoxylum, 8, 615
Zeamais, 1, 8, 153, 243, 244, 369, 370, 373, 457, 458, 537
Zygophyllaceae, 537