
INDEX

KEYWORD INDEX

- 1**
1,3-dichloropropene (1,3-D) 131
16S rDNA sequence 100
18S gene 202
18S rDNA sequence 153
- 5**
5.8S gene 202
- A**
aerial parasite 481
Afenestrata koreana 202
aflatoxin 167
aluminum 76
Alva Morgan Golden 421
amendment 297
ammonia 297
angular leaf-spot 481
antagonistic plant 36
Aphelenchoides fragariae 49
Aphidoletes aphidimyza 285
Arachis hypogaea 167, 540
arbuscule frequency 193
Arkansas 1, 220, 449
Arkansas Fungus (ARF) 186, 263
Arthrobotrys oligospora 267
Aspergillus flavus 167
Aspergillus parasiticus 167
Asteraceous plant 36
Australia 249
- B**
 β -tubulin 440
bacterial canker 505
bagging 107
Bangladesh 42
barley 54
Belonolaimus longicaudatus 493
bermudagrass 493
Beta vulgaris 123
Bilobodera flexa 202
biogeography 114
biological control 181, 186, 267, 424, 481, 540
biosolid 297
boron 76
Brazil 153
Bursaphelenchus mucronatus 95
Bursaphelenchus xylophilus 95
- C**
Cactodera betulae 202
Caenorhabditis elegans 107, 276
calcium 76
canonical discriminant analysis 449
Capsicum 137
Capsicum annuum 131
carbofuran 42
Carya illinoensis 181
cereal cyst nematode 54
chile pepper 131
chorotype 114
citrus 424
citrus nematode 424
Citrus paradise 424
Coffea arabica 76
coffee 76
colonizer-persister (c-p) grouping 85
- Columbia lance nematode 524
community structure 524
concerted evolution 147
control 36, 137
cotton 186, 524
cotton seedling disease 160
crop rotation 36, 517
cropping system 4517
Crotalaria juncea 290
cryobiology 281
cryopreservation 281
Cucurbita pepo 290
Cyperus esculentus 131
Cyperus rotundus 131
cyst nematode 440
- D**
D1-D2 expansion segment 147
D3 26S rDNA 142
Dactylellina haptotyla 267
decomposition 263
density-dependent selection 276
desiccation 534
diagnostic 142
Diptera 249
distribution 220
Ditylenchus drepanocercus 481
DNA 466
DNA extraction method 100
DNA fingerprinting 433
DNA sequencing 14, 100, 142, 147, 153, 202, 241, 457, 466
Dorylaimida 114
- E**
ecology 524
Ehphymatodera thomasoni 202
entomopathogenic nematode 181, 281, 285, 534
environmental characterization 114
esterase phenotype 20
extraction method 100
- F**
Fergusobia 249
Fergusonina 249
Fergusoninidae 249
fern 49
Florida 20, 517
foliar nematode 49
foraging behavior 276
free-living nematode 290, 487
frequency-dependent selection 276
fumigant 131
fungus 160, 193, 267, 290
Fusarium 160
- G**
gall development 249
Galleria mellonella 285
gene expression 457
genetic variation 14
Geocenamus brevidens 54
geographical distribution 356
Globodera 202
Globodera tabacum solanacearum 433
Glycine max 241
Gossypium hirsutum 160, 186, 524
graft compatibility 137
grape 193
- H**
Helicotylenchus dihystra 517, 524
Helicotylenchus pseudorobustus 487
Heterodera avenae 54
Heterodera bifenestra 202
Heterodera glycines 171, 241, 263, 297, 457
Heterodera schachtii 123, 267
heterogeneity 147
Heterorhabditis bacteriophora 181, 281, 285, 534
hierarchical cluster analysis 1, 207
histology 249
Hoplolaimus columbus 524
Hoplolaimus galeatus 493
Hordeum vulgare 54
host finding 285
host preference 356
host range 20, 487
host resistance 424
host specificity 171
Hosta 49
hot water drench 49
Hsp90 466
hypersensitive response 499
- I**
Iberian Peninsula 114
identification 207, 449
In Memoriam 421
in situ hybridization 457
infectivity 534
inhibition 95
interaction 160, 167
internal transcribed spacer (ITS) 147
interspecific competition 95
invasion 499
invasive weed 481
Ipomoea repans 36
isozyme 232
ITS1 14, 202
ITS2 202
- J**
Japan 356
- K**
Kenya white clover 499
Kona coffee root-knot nematode 76
- L**
lance nematode 493
lesion nematode 54
life cycle 171
life history 107, 249
longevity 107
longidorid 153
Longidorus 1, 14, 207, 385
Longidorus biformis n. sp. 1
Longidorus breviannulatus 220
Longidorus fragilis 220
Longidorus glycines n. sp. 1
Lycopersicon esculentum 69
Lycopersicon peruvianum 69
- M**
macronutrient 76
magnesium 76

management 123, 131, 524
 manganese 76
Matteuccia pensylvanica 49
 meiotic parthenogenesis 20
Meloidogyne 20, 69
Meloidogyne arenaria 167, 232, 540
Meloidogyne chitwoodi 54
Meloidogyne floridensis n. sp. 20
Meloidogyne graminicola 42
Meloidogyne incognita 36, 131, 137, 232, 290, 297, 517
Meloidogyne javanica 137
Meloidogyne konaensis 76
Meloidogyne mayaguensis 232
Meloidogyne naasi 54
Meloidogyne trifoliophila 499
Mesocriconema ornata 517
Mesocriconema sphaerocephala 517
Mesocriconema xenoplax 181, 193, 505
Mi-virulent root-knot nematode 69
Miconia calvescens 481
 microarray 241
 micronutrient 76
 mitochondrial DNA (mtDNA) 232
 molecular diagnosis 232
 molecular nematology 433
 molecular phylogenetics 14
 molecular systematics 153
Monochamus alternatus 95
 Mononchida 114
 morphological variation 356
 morphology 1, 20, 220, 232
 morphometrics 207, 449
 mustard 123
 mutualism 249
 mycorrhizae 193
 Myrtaceae 249

N

nematophagous fungus 263
 nematicide 131, 424, 505
 nematode faunal analysis 85
 nematode load 95
 nematode management 424, 505, 517
 nematode-trapping fungus 267, 290
 new record 220
 new species 1, 20
 nitrogen 85
 non-plant-parasitic nematode 54

O

oil radish 123
 organic amendment 290
Oryza sativa 42
 osmotic tension 85

P

paralogous gene 440
Paratrichodorus minor 517, 524
Paratylenchus 54
Paspalum vaginatum 493
Pasteuria 100, 171
Pasteuria penetrans 540
 pasture species 487
 pathogenicity 481
 peach 20, 181
 peanut 167, 540
 pecan 181
 penetration 499
 pepper 137
 perennial weed 131

persistence 540
 pH 297
 phoresy 95
 phosphorus 76
 phylogenetic analysis 147, 202
 phylogenetic relationship 153
 phylogenetics 466
 phylogeny 100, 440
 physio-ecological variation 356
 pin nematode 54
 pine wilt disease 95
 plant debris 263
 plant disease loss 193
 plant nutrition 76
 plant-parasitic nematode 153
 plant-pathogen interaction 241
 polymerase chain reaction (PCR) 142
 polymorphism 276, 356
Poncirus trifoliata 424
 population change 524
 population dynamics 193
 population regulation 505
 potassium 76
 poultry litter 524
Pratylenchus 142
Pratylenchus brachyurus 517, 524
Pratylenchus neglectus 54
Pratylenchulus scribneri 517
Pratylenchus thornei 54
 protein 466
Prunus 505
Prunus persica 20, 181
 purple nutsedge 131

R

random amplified polymorphic DNA (RAPD) 433
Raphanus sativus 123
 reniform nematode 160, 186, 356
 reproduction 69, 107, 123, 356
 resistance 123, 137, 499
 resistance mechanism 69
Rhizoctonia solani 160
 ribosomal DNA (rDNA) 147, 153, 202, 440, 466
 rice 42
 rice root-knot nematode 42
 ring nematode 181, 193
 root exudate 36
 root-gall nematode 54
 root-knot nematode 20, 36, 54, 131, 137, 167, 232, 290, 297, 499, 517, 540
 rootstock 137, 505
Rotylenchulus reniformis 160, 186, 356

S

saturation 466
 scanning electron microscopy (SEM) 1, 20, 220
 seashore paspalum 493
 sensitivity 85
 sequencing 100
 signaling pathway 241
Sinapis alba 123
 soil amendment 36
 soil ecosystem 290
 soil health 524
 soil nutrient 290
 soil solarization 524
 soybean cyst nematode 171, 241, 263, 457
 soybean genomics microarray database (SGMD) 241

spatial distribution 114
 species replacement 95
 species-specific primer 142
 spiral nematode 487
 squash 290
Steinernema carpocapsae 281
Steinernema feltiae 285, 534
Steinernema glaseri 267
Steinernema riobrave 181
 stepwise discriminant analysis 449
 sting nematode 493
 stress dosage 505
 stunt nematode 54
Subanguina radicola 54
 sugar beet 123
 sugar beet cyst nematode 123
 sunn hemp 290
 suppressive soil 540
 survival 281, 534
 survival strategy 107
 susceptibility 493
 sustainable agriculture 517
 Swingle citrumelo 424
 syncytium 241

T

taxonomy 1, 20, 100, 171, 220, 232, 481
Thielaviopsis basicola 160
 tillage 290
 tissue extract 36
 tobacco cyst nematode 433
 tomato 69
 toxicity 297
 trap crop 123
Trifolium repens 499
Trifolium semipilosum 499
Triticum aestivum 42, 54
 trophic group 524
 tuber 131
 Tylenchida 249
Tylenchorhynchus clarus 54
Tylenchulus semipenetrans 424

U

ultrastructure 171
unc-87 457

V

variability 433
 velvet tree 481
 virulence 433
Vitis vinifera 193
 vivipary 107

W

weed 517
 wheat 42, 54
 white clover 499

X

Xiphidorus 153
Xiphinema 14, 153

Y

yellow nutsedge 131
 yield loss 42

Z

zinc 76

AUTHOR INDEX

- A**
 Abawi, G. S. 42
 Agostinelli, A. 147
 Al-Banna, L. 142
 Alkharouf, N. 241
 Anderson, C. E. 505
 Atibalentja, N. 100, 171
- B**
 Bai, C. 281
 Baldwin, J. G. 202
 Barker, K. R. 524
 Barreto, R. W. 481
 Beard, H. 241
 Bell, N. L. 487
 Brito, J. 232
 Brown, D. J. F. 153
- C**
 Carta, L. K. 20, 466
 Castagnone-Sereno, P. 20
 Caswell-Chen, E. P. 107
 Center, B. J. 249
 Center, T. D. 249
 Centintas, I. R. 540
 Chen, J. 107
 Chitwood, D. J. 421
 Chouikha, I. 241
 Ciancio, A. 100
 Crippen, D. 186, 263
 Crow, W. T. 493
- D**
 Davies, K. A. 249
 Davis, L. T. 487
 De Giorgi, C. 147
 De Luca, F. 147
 Dennehy, J. J. 276
 Dickson, D. W. 232, 540
 Duxbury, J. M. 42
- E**
 Easley, S. A. 54
 Eisenback, J. D. 433
 Esmenjaud, D. 20
- F**
 Ferraz, L. C. C. B. 153
 Ferris, H. 85, 505
 Ferris, V. R. 202, 440
 Freitas, L. G. 481
- G**
 Gallaher, K. R. 517
 Gallaher, R. N. 290
 Gaugler, R. 281
 Giblin-Davis, R. M. 249
 Goolsby, J. 249
 Gourlie, J. W. 54
 Gray, F. A. 123
 Grefenstette, J. 241
 Grewal, P. S. 49
 Grunder, J. 147
 Guerrero, P. 114
- H**
 Handoo, Z. A. 20, 181
 Higgins, J. A. 20
 Hixson, A. C. 493
- Holbrook, C. C. 167
 Hossain, M. 42
 Huang, X. 69
 Hübschen, J. 153
 Hue, N. V. 76
 Hurchanik, D. 76
- I**
 Inserra, R. N. 202, 232
 Ivors, K. L. 193
- J**
 Jaffee, B. A. 267, 505
 Jagdale, G. B. 49
 Jakstys, B. P. 171
 Jikumaru, S. 95
 Johnson, C. S. 433
 Juurma, A. 505
- K**
 Kaloshian, I. 69, 142
 Khan, R. 241
 Klink, V. 457
 Knap, H. 241
 Koch, D. W. 123
 Koenning, S. R. 524
 Kunz, P. 147
- L**
 Lamberti, F. 147
 Lawrence, K. S. 160
 Lewis, E. E. 181, 534
 Liébanas, G. 114
 Lin, Y. Y. 36
 Livdahl, T. P. 276
- M**
 MacDonald, M. 241
 Martín-García, J.-M. 114
 Matthews, B. F. 241, 457
 Maw, B. W. 167
 Mazid, A. M. 42
 McGiffin, M. 69
 McKenry, M. V. 424, 505
 McSorley, R. 290, 493, 517
 Mercer, C. F. 499
 Merrifield, K. 54
 Meyer, S. 241
 Monteiro, F. T. 481
 Moore, K. K. 499
 Morgan-Jones, G. 160
 Mullin, P. G. 232
 Mundo-Ocampo, M. 202
 Murray, L. W. 131
- N**
 Nakasono, K. 356
 Neilson, R. 153
 Nessler, C. L. 433
 Noel, G. R. 100, 171
 Nyczepir, A. P. 20, 181
- O**
 Offenbach, R. 137
 Oka, Y. 137
 Oliveira, C. M. G. 153
 Oliveira, R. D. L. 481
- P**
 Padgham, J. L. 42
 Palmateer, A. J. 160
 Patterson, L.-M. 54
 Peña-Santiago, R. 114
 Pérez, E. E. 534
 Pilitt, K. 457
 Pinkerton, J. N. 193
 Pivonia, S. 137
 Ploeg, A. T. 142
 Powell, J. R. 285
 Powers, T. O. 232
 Purcell, M. F. 249
- R**
 Reyes, A. 147
 Riggs, R. D. 186, 263
 Robbins, R. T. 1, 14, 207, 220, 449
 Rohan, T. C. 487
- S**
 Sabo, A. 202, 440
 Scheffer, S. J. 249
 Schmitt, D. P. 76
 Schreiner, R. P. 193
 Schroeder, J. 131
 Seixas, C. D. S. 481
 Shapiro-Ilan, D. I. 181, 281, 534
 Sharma, S. 202
 Sipes, B. S. 76
 Skantar, A. M. 20, 466
 Smiley, R. W. 54
 Smith, E. P. 433
 Smith, H. J. 123
 Syracuse, A. J. 433
 Szalanski, A. L. 14
- T**
 Taylor, G. S. 249
 Tenuta, M. 85, 297
 Thomas, S. H. 131
 Timper, P. 167
 Togashi, K. 95
 Trenholm, L. E. 493
 Tsay, T. T. 36
- V**
 van der Beek, J. G. 20
 van Santen, E. 160
 Vasconcelos, M. C. 193
 Verdejo-Lucas, S. 424
- W**
 Wajid Hussan, S. 499
 Wang, K. 186, 263
 Wang, K.-H. 290, 517
 Watson, R. N. 487
 Webster, J. M. 285
 Whittaker, R. G. 54
 Williamson, V. M. 142
 Wilson, D. M. 167
 Wright, F. 153
 Wu, S. T. 36
- Y**
 Ye, W. 1, 14, 207, 220, 449
 Yi, S. 281
- Z**
 Zasada, I. A. 297