

## **Curriculum vitae**

### **PERSONAL INFORMATION**

Name: Gerrit Karssen  
Nationality: Dutch  
E-mail: g.karssen@nvwa.nl  
Telephone: +31 615891726  
Mailing address: NVWA NRC-fyto  
Postbox 9102, 6700 HC Wageningen  
The Netherlands

### **WORK EXPERIENCE**

**2012-present**      **Scientific officer at the Netherlands Food and Consumer Product Safety Authority, National Reference Centre, Wageningen, the Netherlands**

Responsible for nematode identifications, collections and taxonomic research.

**2000-present**      **Visiting professor at Ghent University, Gent, Belgium**

Teaching and research on Tylenchomorpha.

**2004-present**      **Curator of the Wageningen Nematode Collection (WaNeCo)**

**2010-present**      **Editing scientific journal "ZooKeys"**

**2007-present**      **Editing of scientific journal "Russian Journal of Nematology"**

**2003-present**      **Editorial board scientific magazine "REDIA"**

**1991-2012**      **Nematode taxonomist at the Plant Protection Service, Wageningen, the Netherlands**

Responsible for nematode identifications, collections and taxonomic research.

**1989-1991**      **Plant Protection Service, Wageningen, the Netherlands**

Performing laboratory tests for the approval of fungicide and insecticides.

**2011-2014**      **Editor of the scientific journal "Journal of Nematode Morphology and Systematics"**

**2001-2013**      **Editor of the scientific journal "Nematologia Mediterranea"**

**2003-2010**      **EPPO, member of the ad hoc Committee on Quarantine Nematodes**

**2002-2010**      **Editing of scientific journal "Nematology"**

### **EDUCATION**

1996-1999      Doctorate in Biology (cum laude), Ghent University, Ghent, Belgium

1993-1996      Phytopathology, University of Utrecht, Utrecht, the Netherlands

1983-1988      Laboratory technology – specialisation Botany, RHAS , Wageningen, the Netherlands

### **PUBLICATIONS**

### Peer reviewed articles, book chapters & books

1. Van Meggelen, J.C., Karssen, G., Janssen, G.J.W., Verkerk-Bakker, B. & R. Janssen (1994). A new race of *M. chitwoodi* Golden, O'Bannon, Santo & Finley, 1980? *Fundam. appl. Nematol.* 17, 93 [Short note].
2. Karssen, G., Van Hoenselaar, T., Verkerk-Bakker, B. & R. Janssen (1995). Species identification of cyst and root-knot nematodes from potato by electrophoresis of individual females. *Electrophoresis* 16, 105-109.
3. Karssen, G. (1996). On the morphology of *Meloidogyne sasseri* Handoo, Huettel & Morgan Golden, 1993. *Nematologica* 42, 262-264 [Short communication].
4. Karssen, G. (1996). Description of *Meloidogyne fallax* n. sp. (Nematoda: Heteroderidae), a root-knot nematode from The Netherlands. *Fundam. appl. Nematol.* 19, 593-599.
5. van der Beek, J.G. & G. Karssen (1997). Interspecific hybridization of meiotic parthenogenetic *Meloidogyne chitwoodi* and *M. fallax*. *Phytopathology* 87, 1061-1066.
6. Karssen, G., Van Aelst, A.C. & W.H. Van Der Putten (1998). *Meloidogyne duytsi* n. sp. (Nematoda: Heteroderidae), a root-knot nematode from Dutch coastal foredunes. *Fundam. appl. Nematol.* 21, 299-306.
7. Karssen, G., Van Aelst, A.C. & R. Cook (1998). Redescription of the root-knot nematode *Meloidogyne maritima* Jepson, 1987 (Nematoda: Heteroderidae), a parasite of *Ammophila arenaria* (L.) Link. *Nematologica* 44, 241-253.
8. Karssen, G. & T. Van Hoenselaar (1998). Revision of the genus *Meloidogyne* Göldi, 1982 (Nematoda: Heteroderidae) in Europe. *Nematologica* 44, 713-788.
9. Karssen, G. & E. Wiesenekker (1998). CD-ROM review: Root-knot nematode taxonomic database. Eisenback, J.D., Wallingford, UK: CAB International. *Nematologica* 44, 789-790.
10. Karssen, G. & M.W. Brzeski (1998). *Meloidogyne* Göldi, 1892. In: *Nematodes of Tylenchina in Poland and temperate Europe*. pp. 242-263. Ed. M.W. Brzeski. Warszawa: Museum and Institute of Zoology Polish Academy of Sciences.
11. Karssen, G. (1999). The plant-parasitic nematode genus *Meloidogyne* Göldi, 1892 (Tylenchida) in Europe. PhD thesis, University Gent, Belgium. 161p.
12. Karssen, G. & A.C. Van Aelst (1999). Description of *Cryphodera brinkmani* n. sp. (Nematoda: Heteroderidae), a parasite of *Pinus thunbergii* Parlatores from Japan, including a key to the species of the genus *Cryphodera* Colbran, 1966. *Nematology* 1, 121-130.
13. Karssen, G. Waeyenberge, L. & M. Moens (2000). *Pratylenchus brzeskii* n. sp. (Nematoda: Pratylenchidae), a root-lesion nematode from European coastal dunes. *Annales Zoologi* 50, 255-261.
14. Karssen, G., Van Aelst, A.C. & G. De Deyn (2000, pub. 2001). Scanning Electron Microscopical observations on the coastal marine nematode *Epsilonema pustulatum* (Gerlach, 1952) Lorenzen, 1973 (Nematoda: Epsilonematidae). *Nematology* (1999) 2, 685-693.
15. Karssen, G. & R.J. Bolk (2000, pub. 2001). An additional character useful for the identification of *Pratylenchus crenatus* Loof, 1960 (Nematoda: Pratylenchidae). *Nematology* (1999) 2, 695-697.
16. Karssen, G. & A.C. Van Aelst (2001). Root-knot nematode perineal pattern development: a reconsideration. *Nematology* 3, 95-111.
17. Holgado, R., Hammeraas, B. & G. Karssen (2001). First report of the root-knot nematode *Meloidogyne ardenensis* on lady's mantle in Norway. *Plant Disease* 85: 1289 (published online as D-2001-1003-01N).

18. Karssen, G., Van Aelst, A.C., Waeyenberge, L. & M. Moens (2001). Observations on *Pratylenchus penetrans* Cobb, 1917 parasitizing the coastal dune grass *Ammophila arenaria* (L.) Link in the Netherlands. *Journal of Nematode Morphology and Systematics* 4: 1-9.
19. Karssen, G. (2002). The plant-parasitic nematode genus *Meloidogyne* Göldi, 1892 (Tylenchida) in Europe. Brill Leiden, the Netherlands. 150 p. (ISBN-9004127909).
20. Karssen, G. and J. Grunder (2002). First report of the root-knot nematode *Meloidogyne kralli* in Switzerland. *Plant Disease* 86: 919 (published on-line as D-2002-0523-01N).
21. Urek, G., Širca, S., Kox, L. & G. Karssen (2003). First report of the dagger nematode *Xiphinema rivesi*, a member of the *X. americanum* group, from Slovenia. *Plant Disease* 87: 100 (published on-line as D-2002-1106-02N, 2002).
22. Bert, W., Karssen, G., Van Driessche, R. & E. Geraert (2002, published 2003). The cellular structure of the female reproductive system within the Heteroderinae and Meloidogyninae (Nematoda). *Nematology* 4: 953-963.
23. Karssen, G. & A.C. Van Aelst (2002). SEM observations on the marine nematode *Dracognomus simplex* (Gerlach, 1954) Allen & Noffsinger, 1978 (Draconematidae: Prochaetosomatinae). *Journal of Nematology* 34: 303-311.
24. De Ley, I.T., De Ley, P., Vierstraete, A., Karssen, G., Moens, M. & J. Vanfleteren (2002). Phylogenetic analysis of *Meloidogyne* SSU rDNA. *Journal of Nematology* 34: 319-327.
25. Urek, G., Širca, S. & G. Karssen (2003). A review on plant-parasitic and soil nematodes in Slovenia. *Nematology* 5: 391-403.
26. Karssen, G. & H. Brinkman (2003). On the male of *Pratylenchus crenatus* Loof, 1960 (Nematoda: Pratylenchidae). *Nematology* 5: 479.
27. Širca, S., Urek, G. & G. Karssen (2003). Occurrence of the root-knot nematodes *Meloidogyne incognita* and *M. hapla* in Slovenia. *Plant Disease* 87: 1150 (published on-line as D-2003-0710-01N, 2003).
28. Oka, Y., Karssen, G. & M. Mor (2004). Identification, host range and infection process of the root-knot nematode *Meloidogyne marylandi* from Israel. *Nematology* 5: 727-734.
29. Oka, Y., Karssen, G. & M. Mor (2004). First report of the root-knot nematode *Meloidogyne marylandi* in Israel. *Plant Disease* 88: 309 (published on-line as D-2003-1223-01N, 2004).
30. Karssen, G., Bolk, R.J., van Aelst, A.C., van den Beld, I., Kox, L.F.F., Korthals, G., Molendijk, L., Zijlstra, C., van Hoof, R. & R. Cook (2004). Description of *Meloidogyne minor* n. sp. (Nematoda: Meloidogynidae), a root-knot nematode associated with yellow patch disease in golf courses. *Nematology* 6: 59-72.
31. Ciobanu, M., Karssen, G. & I. Popovici (2004). Some nematodes belonging to the genus *Tylenchorynchus* Cobb, 1913 (Nematoda: Belonolaimidae) from Romania. *Nematologia Mediterranea* 32: 147-154.
32. Širca, S., Urek, G. & G. Karssen (2004). First report of the root-knot nematode *Meloidogyne ethiopica* in Europe. *Plant Disease* 88: 680 (published on-line as D-2004-0407-01N, 2004).
33. Širca, S., Urek, G. & G. Karssen (2004). The incidence of the root-knot nematode *Meloidogyne incognita* and *Meloidogyne hapla* in Slovenia. *Acta Agriculturae Slovenia* 83: 15-22.
34. Tenente, G.C.M.V., De Ley, P., De Ley, I.T., Karssen, G. & J.R. Vanfleteren (2004). Sequence analysis of the D2/D3 region of the large subunit rDNA from different *Meloidogyne* isolates. *Nematropica* 34: 1-12.
35. Putten van der, W.H., Yeates, G.W., Duyts, H., Schreck Reis, C. & G. Karssen (2005). Invasive plants and their escape from root herbivores: a worldwide comparison of the root-feeding nematode community of the dune grass *Ammophila arenaria* in natural and introduced ranges. *Biological Invasions* 7: 733-746.

36. Trinh, Q.P., Nguyen, C.N., Waeyenberge, L., Subbotin, S.A., Karssen, G. and M. Moens (2005). *Radopholus arabocoffeae* sp. n. (Nematoda: Pratylenchidae), a nematode species pathogenic on *Coffea arabica* in Vietnam and additional data on *R. duriophilus*. *Nematology* 6: 681-693.
37. Urek, G., Širca, S. & G. Karssen (2005). Morphometrics of *Xiphinema rivesi* Dalmasso, 1969 (Nematoda: Dorylaimida) from Slovenia. *Russian Journal of Nematology* 13: 13-17.
38. Lioa, J., Yang, W., Feng, Z. & G. Karssen (2005, published 2006). Description of *Meloidogyne panyuensis* n. sp. (Nematoda: Meloidogynidae), parasitic on peanut (*Arachis hypogaea* L.) in China. *Russian Journal of Nematology* 13: 107-114.
39. Sommen van der, A., Nijs den, L.J.M.F. & G. Karssen (2006). The root-knot nematode *Meloidogyne fallax* on strawberry in the Netherlands. *Plant Disease* 89: 526 (published on-line as DOI: 10.1094/PD-89-0526A).
40. Peña de la, E., Moens, M., Van Aelst, A. & G. Karssen (2006). Description of *Pratylenchus dunensis* sp. n. (Nematoda: Pratylenchidae), a root-lesion nematode associated with the dune grass *Ammophila arenaria* (L.) Link. *Nematology* 8: 79-88.
41. Karssen, G. (2006). Life and work of Dr. J.G. de Man, a Crustacea and Nematoda specialist. Brill Leiden, the Netherlands. 120p. (ISBN-10: 90 0414 9694, ISBN-13: 978 90 0414 969 4).
42. Karssen, G. & M. Moens (2006). 3. Root-knot nematodes. p 59-88. In: *Plant Nematology*. Eds. R. Perry & M. Moens. CABI Publishing, Wallingford, UK. (ISBN-10: 1 84593 056-8, ISBN-13: 978 1 84593 056 1).
43. Viaene, N., Wiseborn, D.B. & G. Karssen (2007). First report of the root-knot nematode *Meloidogyne minor* on turfgrass in Belgium. *Plant Disease* 91: 908 (published on-line as doi: 10.1094/PDIS-91-7-0908B).
44. Peña de la, E., Karssen, G. and M. Moens (2007). Distribution and diversity of root-lesion nematodes (*Pratylenchus* spp.) associated with *Ammophila arenaria* in coastal dunes in Western Europe. *Nematology* 9: 881-901.
45. Carneiro, R.M.D.G., Mendes, M. de L., Almeida, M.R.A., Santos, M.F.A. dos, Gomes, A.C.M.M. & G. Karssen. (2008). Additional information on *Meloidogyne inornata* Lordello, 1956 (Tylenchida: Meloidogynidae) and its characterization as a valid species. *Nematology* 10: 123-136.
46. Kiewnick, S., Karssen, G., Brito, J. A., Oggenfuss, M. & J.-E. Frey (2008). First Report of Root-Knot Nematode *Meloidogyne enterolobii* on Tomato and Cucumber in Switzerland. *Plant Disease* 92: 1370 (published on-line as DOI: 10.1094/PDIS-92-9-1370A).
47. Holterman, M.H.M., Karssen, G., van den Elsen, S.J.J., van Megen, H.H.B., Bakker, J. & H. Helder. (2009). SSU rDNA-based phylogeny of the Tylenchida sheds light on the evolution of plant feeding & establishes relationships among high impact plant parasitic nematodes. *Phytopathology* 99: 227-235.
48. Karssen, G. (2009). Een nieuwe iepenwortelparasiet. p. 132. In: Iep of Olm, Karakterboom van de Lage Landen. Eds. H.M. Heybroek, L. Goudzwaard & H. Kaljee. KNNV Uitgeverij, Zeist, The Netherlands. (ISBN 9789050112819).
49. Trinh, P.Q., Waeyenberge, L., Nguyen, C.N., Baldwin, J.G., Karssen, G. & M. Moens. (2009). *Apratylenchus vietnamensis* gen. n., sp. n. and *A. binhi* gen. n., sp. n., sedentary Pratylenchidae (Nematoda: Tylenchida) from coffee in Vietnam, with proposal of *Apratylenchinae* subfam. n. *Nematology* 11: 565-581.
50. van Megen, H., van den Elsen, S., Holterman, M., Karssen, G., Mooyman, P., Bongers, T., Holovachov, O., Bakker, J. & J. Helder. (2009). A phylogenetic tree of nematodes based on about 1,200 full length small subunit ribosomal DNA sequences. *Nematology* 11: 927-950.

51. Karssen, G. & N. M. Willemsen (2010). The spiculum: an additional useful character for the identification of *Ditylenchus dipsaci* and *D. destructor* (Nematoda: Anguinidae). *EPPO Bulletin* 40: 211-212.
52. Karssen, G., Cremers, H.J.W.M. & A.M.T. Bongers (2010). Nematoda-Nematoden. p. 153-156. In: *De Nederlandse Biodiversiteit -Nederlandse fauna 10*. Eds. J. Noordijk, R.M.J.C. Kleukers, E.J. van Nieukerken & A.J. van Loon. Nederlands Centrum voor Biodiversiteit Naturalis & European Invertebrate Survey, Nederland, Leiden (ISBN 9789050113519).
53. Vandenbossche, B., Viaene, N., De Sutter, N., Maes, M., Karssen, G. & W. Bert (2011). Diversity and incidence of plant-parasitic nematodes in Belgian turf grass. *Nematology* 13: 245-256.
54. Prior, T., Hockland, S., Lawson, R. & G. Karssen (2010). First report of *Hirschmanniella gracilis* in the UK causing necrosis to roots of tall fescue. *New Disease Reports* 22: 23.
55. Bert, W., Karssen, G. & J. Helder (2011). Phylogeny and evolution of nematodes. P. 45-59. In: *COST Action 872: Exploiting genomics to understand plant-parasitic nematode interactions*. Eds. J. Jones, G. Gheysen & C. Fenoll. Springer, Dordrecht, The Netherlands (ISBN 9789400704336).
56. Karssen, G., Liao, J., Kan, Z., van Heese, E.Y.J. & Loes J.M.F. den Nijs. (2012). On the species status of the root-knot nematode *Meloidogyne mayaguensis* Rammah & Hirschmann, 1988. *ZooKeys* 181: 67-77.
57. Rybarczyk-Mydlowska, K., Mooyman, P., van Megen, H., van der Elsen, S., Vervoort, M., Veenhuizen, P., van Doorn, J., Dees, R., Karssen, G., Bakker, J. & J. Helder. (2012). SSU rDNA-based phylogenetic analysis of foliar nematodes (*Aphelenchoides* spp.), and their quantitative detection in complex DNA background. *Phytopathology* 102: 1153-1160.
58. Ghaemi, R., Pourjam, E., Atighi, M.R., Pedram, M. & G. Karssen (2012). First record of the genus *Discotylenchus* Siddiqi, 1980 (Nematoda: Tylenchidae) from Iran, with description of one and data on two known species. *Zootaxa* 3493: 72-81.
59. Ashrafi, S., Mugniéry, D., van Heese, E.Y.J., van Aelst, A.C., Helder, J. & G. Karssen (2012). Description of *Meloidoderita salina* sp. n. (Nematoda, Sphaeronematidae) from a micro-tidal salt marsh at Mont-Saint-Michel Bay in France. *ZooKeys* 249: 1-26.
60. Damme, N., Wayenberge, L., Viaene, N., van Hoenselaar, T. & G. Karssen (2013). First report of the Root-Knot nematode *Meloidogyne artiellia* in Belgium. *Plant Disease* 97: 152.
61. Rybarczyk-Mydlowska, K., van Megen, H., van den Elsen, S., Mooyman, P., Karssen, G., Bakker, J. & J. Helder. (2013). Both SSU rDNA and RNA polymerase II data recognize that root knot nematodes arose from migratory Pratylenchidae, but not from the economically high-impact lesion nematode species. *Nematology* (accepted; published on-line).
62. Karssen, G., Wesemael, W. & M. Moens (2013). 3. Root-knot nematodes. p 73-108. In: *Plant Nematology*. 2nd Edition. Eds. R. Perry & M. Moens. CABI Publishing, Wallingford, UK. (ISBN).
63. Ahmed, M., van de Vossenbergh, B.T.L.H., Cornelisse, C. & G. Karssen (2013). On the species status of the root-knot nematode *Meloidogyne ulmi* Palmisano and Ambrogioni, 2000 (Nematoda, Meloidogynidae). *ZooKeys* 362: 1-27.
64. Ashrafi, S., Helder, J., van den Elsen, S., Jansen, M. & G. Karssen (2014). First report of plant-parasitic nematode *Meloidoderita salina* in the Netherlands. *Plant Disease* 98: 859 (published as First Look in 2013).
65. Carneiro, R.M.D.G., Correa, V.R., Almeida, M.R.A., Gomes, A.C.M.M., Deimi, A.M., Castagnone-Sereno, P. & G. Karssen (2014). *Meloidogyne luci* n. sp. (Nematoda: Meloidogynidae), a new species of root-knot nematode parasitizing different crops in Brazil, Chile and Iran. *Nematology* 16: 289-301.

66. van de Vossenbergh, B.T.L.H., Voogd, J.G.B., Westenberg, M. & G. Karssen (2014). Comparison of three conventional PCR test (Bulman & Marshall, 1997) versions for the molecular identification of *Globodera pallida* and *G. rostochiensis* cysts and juveniles. *Bulletin OEPP/EPPO Bulletin* 44 (1): 27–33.
67. Khun, K., Decraemer, W., Couvreur, M., Karssen, G., Steel, H. & W. Bert. (2015). Deceptive morphological variation in *Hirschmanniella mucronata* and a polytomous key of the genus. *Nematology* 17: 377-400.
68. Brinkman, E.P., Duyts, H., Karssen, G., van der Stoep, C.D. & W.H. van der Putten (2015). Plant-feeding nematodes and plant succession in coastal sand dunes: occurrence, host specificity and effects on plant growth. *Plant and Soil* (accepted and published on-line April 2015: (DOI) 10.1007/s11104-015-2447-z).
69. Ahmed, M., Sapp, M., Prior, T., Karssen, G. & M. Back (2016). Nematode taxonomy: from morphology to metabarcoding. *Soil* 2: 257-270.
70. Janssen, T., Karssen, G., Verhaeven, M., Coyne, D. & W. Bert (2016). Mitochondrial haplotypes allow reliable barcoding and efficient identification of closely related tropical root-knot nematodes (*Meloidogyne*). *Nature Scientific Reports* 6: 22591.
71. Alvani, S., Mahdikhani Moghaddam, E., Rouhani, H., Mohammad, A. & G. Karssen (2016). Description of a new species *Basiria birjandiensis* n. sp. (Nematoda: Tylenchidae) from South Khorasan province with an updated checklist of family Tylenchidae Örley, 1880 from Iran. *ZooTaxa* 4085 (3): 345-373.
72. Kolombia, Y.A., Lava Kumur, P., Claudius-Cole, A.O., Karssen, G., Viaene, N., Coyne, D. & W. Bert (2016). First report of *Meloidogyne enterolobii* causing tuber galling damage on white yam (*Dioscorea rotundata*) in Nigeria. *Plant Disease* (accepted).
73. den Nijs, L.J.M.F., van Bruggen, A.S. & G. Karssen (2016). Importing plants into the Netherlands: an assessment of the risk of plant parasitic nematodes and a survey on their entry with adhering soil. *Bulletin OEPP/EPPO Bulletin* 46 (1): 94-102.
74. Topalovic, O., Moore, J.F., Janssen, T., Bert, W. & G. Karssen (2017). An early record of *Meloidogyne fallax* from Ireland. *ZooKeys* 643:33-52.
75. Sánchez-Monge, A., Janssen, T., Fang, Y., Couvreur, M., Karssen, G. & W. Bert (2017). mtCOI successfully diagnoses the four main plant-parasitic *Aphelenchoides* species (Nematoda: Aphelenchoididae) and supports a multiple origin of plant-parasitism in this paraphyletic genus. *European Journal of Plant Pathology* 148: 853-866 (DOI 10.1007/s10658-016-1141-1).
76. Janssen, T., Karssen, G., Topalovic, O., Coyne, D. & W. Bert (2017). Integrative taxonomy of root-knot nematodes reveals multiple independent origins of mitotic parthenogenesis. *Plos One* March, 2017 (DOI:10.1371/journal.pone.0172190).
77. Kolombia, Y.A., Karssen, G., Viaene, N., Kumur, L.P., Joos, L., Coyne, D.L. & W. Bert (2017). Morphological and molecular characterisation of *Scutellonema* species from yam (*Dioscorea* spp.) and a key to the species of the genus. (accepted) *Nematology*.
78. Kolombia, Y.A., Karssen, G., Viaene, N., Kumur, L.P., De Sutter, N., Joos, L., Coyne, D.L. & W. Bert (2017). Diversity of root-knot nematodes associated with yam tubers (*Dioscorea* spp.) established using isozymes analysis and mitochondrial DNA-based identification. (accepted) *Journal of Nematology*.
79. Janssen, T., Karssen, G., Orlando, V., Subbotin, S. & W. Bert (2017). Molecular characterization and species delimiting of plant-parasitic nematodes of the genus *Pratylenchus* from the

Penetrans group (Nematoda: Pratylenchidae). (accepted) *Molecular Phylogenetics and Evolution*

80. Janssen, T., Karssen, G., Orlando, V., Subbotin, S. & W. Bert (2017). Molecular characterization and species delimiting of plant-parasitic nematodes of the genus *Pratylenchus* from the Penetrans group (Nematoda: Pratylenchidae). *Molecular Phylogenetics and Evolution* 117: 30–48.
81. Janssen, T., Karssen, G., Couvreur, M., Waeyenberge, L. & W. Bert (2017). The pitfalls of molecular species identification: a case study within the genus *Pratylenchus* (Nematoda: Pratylenchidae). *Nematology* 19: 1179-1199.
82. Holterman, M., Karegar, A., Mooijman, P., Megen van, H., Decaemer, W., van den Elsen, S., Vervoort, M.T.W., Quist, C.W. Karssen, G., Decaemer, W., Opperman, C.H., Bird, D.M., Goverse, A., Smant, G & J. Helder (2017). Disparate gain and loss patterns among plant-parasitic nematode lineages. *PLoS ONE* 12 (9): e0185445. <https://doi.org/10.1371/journal.pone.0185445>
83. Visagie, M., Mienie, C.M.S., Marais, M., Daneel, M., Karssen, G. & H. Fourie (2018). Identification of *Meloidogyne* spp. associated with agri- and horticultural crops in South Africa. *Nematology* 20: 397-401.
84. Karssen, G. & M. Groza (2018). First report of the plant-parasitic nematode *Aphelenchoides besseyi* (Nematoda: Aphelenchoididae) on rice in Romania. *Bulletin OEPP/EPPPO Bulletin* 48 (2): 254–255.
85. Prior, T., Tozer, H., Yale, R., Jones, E.P., Lawson, R., Jutson, L., Correia, M., Stubbs, J., Hockland, S. & G. Karssen. (2019). First report of *Meloidogyne mali* causing root gallings to elm trees in the UK. *New Disease Reports* 39, 10.
86. Niragire, I., Couvreur, M., Karssen, G., Uwumukiza, B. & W. Bert. (2019) First report of potato cyst nematode (*Globodera rostochiensis*) infecting potato (*Solanum tuberosum* L.) in Rwanda. *Plant Disease: First Look* (<https://doi.org/10.1094/PDIS-04-19-0891-PDN>).
87. Qing, X., Wang, M., Karssen, G., Bucki, P., Bert, W. & S. Braun-Miyara (2019). PPNID: a reference database and molecular identification pipeline for plant-parasitic nematodes. *Bioinformatics* (<https://doi.org/10.1093/bioinformatics/btz707>).
88. Ahmed, M., Back, M., Prior, T., Karssen, G., Lawson, R., Adams, I. M. Sapp (2019). Metabarcoding of soil nematodes: the importance of taxonomic coverage and availability of reference sequences in choosing suitable marker(s). *Metabarcoding and Metagenomics* 3: 77-99.
89. Ghaderi, R. & G. Karssen (2020). An updated checklist of *Meloidogyne* Göldi, 1887 species, with a diagnostic compendium for second-stage juveniles and males. *Journal of Crop Protection* 9: 183-193.