



NOMINEE DETAILS AND SUMMARY OF EXPERTISE: AUTHORS FOR DIAGNOSTIC PROTOCOLS

This template must be completed for all nominees and returned to the Secretariat together with the candidate's curriculum vitae.

PERSONAL DETAILS	
Name	Gerrit Karssen
Country / organisation	Netherlands Food and Consumer Product Safety Authority, National Reference Centre, Wageningen, the Netherlands
Current position	Scientific officer
Contact details	Address: 6700 HC Wageningen Telephone number: +31 615891726 Fax: - Email address: g.karssen@nvwa.nl
SPECIFIC EXPERTISE REQUIRED (COMPLETE ALL ROWS)	
Diagnostic protocol for which the expert is being nominated (multiple options are possible):	<input type="checkbox"/> <i>Amaranthus palmeri</i> (2019-006) <input type="checkbox"/> <i>Solanum rostratum</i> (2019-007) <input type="checkbox"/> Pospiviroid species (except <i>Potato spindle tuber viroid</i> (DP 7)) (2018-031) <input type="checkbox"/> <i>Acidovorax avenae</i> subsp. <i>citrulli</i> (2018-032) <input type="checkbox"/> <i>Moniliophthora roreri</i> (2019-005) <input checked="" type="checkbox"/> <i>Meloidogyne mali</i> (2018-019) <input type="checkbox"/> <i>Cronartium comandrae</i> (2018-015)
Specific expertise in taxonomy and/or molecular diagnostics of the relevant pest	Co-author of. Ahmed, M., van de Vossen, B.T.L.H., Cornelisse, C. & G. Karssen (2013). On the species status of the root-knot nematode <i>Meloidogyne ulmi</i> Palmisano and Ambrogioni, 2000 (Nematoda, Meloidogynidae). ZooKeys 362: 1-27.
Practical expertise related to the pest (detection, identification, isolation etc.)	Practical expertise with identification of the <i>Meloidogyne mali</i> (and many other <i>Meloidogyne</i>) species as well as <i>Tylenchomorpha</i> in general
Expertise with quarantine diagnostics, including using diagnostic protocols for regulated pests	Expertise with diagnostics of <i>Meloidogyne</i> species, including various quarantine pest, e.g. <i>Meloidogyne chitwoodi</i> , <i>M. fallax</i> , etc. In addition, also expertise with diagnostics of <i>Ditylenchus dipsaci</i> and <i>D. destructor</i> , <i>Globodera rostochiensis</i> and <i>Globodera pallida</i> , <i>Bursaphelenchus xylophilus</i> and <i>Nacobbus aberrans</i> .
Expertise with drafting diagnostic protocols (e.g. regional diagnostic protocols)	Drafting of the diagnostic EPPO protocols PM 7/136 (1) <i>Meloidogyne mali</i> , PM 7/41 (3) <i>Meloidogyne chitwoodi</i> and <i>Meloidogyne fallax</i> , PM 7/40 (4) <i>Globodera rostochiensis</i> and <i>Globodera pallida</i> , and PM 7/5(2): <i>Nacobbus aberrans sensu lato</i>
Expertise with development of novel diagnostic methods	Experience with molecular species identification (including the potential pitfalls), see e.g. Janssen, T., Karssen, G., Couvreur, M., Waeyenberge, L. & W. Bert (2017). The pitfalls of molecular species identification: a case study within the



			genus <i>Pratylenchus</i> (Nematoda: Pratylenchidae). <i>Nematology</i> 19: 1179-1199.		
Elements demonstrating a strong working knowledge of English			Co-authored many scientific papers in English		
PROFESSIONAL BACKGROUND - SUMMARY OF WORK EXPERIENCE (Add more rows as necessary. Do not include full details here, details can be included in the CV)					
	Year started	Year finished	Job title	Organisation	Key duties (list only the duties most relevant to the nomination)
1	2012	present	Scientific officer Nematology	Netherlands Food and Consumer Product Safety Authority, the Netherlands	1. Nematode identifications, 2. Collections 3. Taxonomic research
2	2000	present	Visiting professor	Ghent University, Belgium	1. Teaching on Tylenchomorpha 2. Research on Tylenchomorpha 3.
3	1991	2012	Nematode taxonomist	Plant Protection Service, the Netherlands	1. Nematode identifications, 2. Collections 3. Taxonomic research
RELEVANT EDUCATION AND TRAINING					
Education/ Academic qualifications/ Professional training (list only those relevant to the nomination)	Doctorate in Biology (cum laude), Ghent University, Ghent, Belgium				
Other language skills					
PUBLICATIONS					
List publications and keynote speaking engagements (list only those relevant to the nomination and do not include copies of publications)	<p>E.g. (other relevant publications can be found in the curriculum vitae)</p> <p>Ahmed, M., van de Vossen, B.T.L.H., Cornelisse, C. & G. Karssen (2013). On the species status of the root-knot nematode <i>Meloidogyne ulmi</i> Palmisano and Ambrogioni, 2000 (Nematoda, Meloidogynidae). <i>ZooKeys</i> 362: 1</p> <p>Ghaderi, R. & G. Karssen (2020). An updated checklist of <i>Meloidogyne</i> Göldi, 1887 species, with a diagnostic compendium for second-stage juveniles and males. <i>Journal of Crop Protection</i> 9: 183-193</p> <p>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 (<i>Meloidogyne</i>). <i>Nature Scientific Reports</i> 6: 22591.</p>				



	Karssen, G (2002). The plant-parasitic nematode genus <i>Meloidogyne</i> Göldi, 1892 (Tylenchida) in Europe. Brill Leiden, the Netherlands. 150 p. (ISBN-9004127909).
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