

Curriculum vitae

Dr. Najet Horrigue-Raouani

Professor in Plant Protection/Nematology

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Education

- Engineer (1981), INAT, University of Carthage, Tunis, Tunisia,(Plant Production)
- Specialized Engineer (1983), INAT, University of Carthage, Tunis, Tunisia (Plant Protection)
- State Doctorate(2003), Faculty of Sciences- Tunis, University El Maner, Tunis -Tunisia

Teaching

- Systematic, biology and damage of phytoparasitic nematodes
- Nematodes plant relationship
- Sampling Procedure to Diagnose nematode infestations
- Integrated phytoparasitic nematodes management
- Plant Protection

Research partnership and collaboration

Nematus (Duras project-MAE France): Morocco, Algeria, France , Senegal

Netus (PHC-Utique) with Espace Dev(Mireille Fargette and Maud Loireau)

PESTOILVE : Project Arimnet-Eranet

Plants Project: financed By IRESA Tunisia

Research

- Identification of soil nematodes
- Morphological and molecular characterization of Phytoparasitic Nematodes
- Nematode plant relationship (Palm tree/*Meloidogyne*; olive tree/RKN, Apple tree/ *Pratylenchus*...)
- Integrated protection against Root knot nematodes and PCN

26 publications and 41 participations international and national symposia

Last 5 Year Publications

Hajji Lobna, Elouer Mohamed Aymen, Regaieg Hajer, M'Hamdi-Boughalleb Naima and **Horrigue-Raouani Najet**.2016 Biochemical and plant nutrient alterations induced by *Meloidogyne javanica* and *Fusarium oxysporum* f.Sp. *radicis lycopersici* co-infection on tomato cultivars with differing level of resistance to *M. javanica*. *European Journal of Plant Pathology* pp 1--10. DOI 10.1007/s10658-016-1104-6.

Hajji Lobna, Chattaoui Mayssa, Regaieg Hajer, M'Hamdi-Boughalleb Naima, Rhouma Ali, **Horrigue-Raouani Najet**.2016. Biocontrol effectiveness of indigenous *Trichoderma* species against *Meloidogyne javanica* and *Fusarium oxysporum* f.sp. *radicis lycopersici* on tomato. *International Journal of Biomolecular Agricultural, Food and Biotechnological Engineering* Vol:10 (10) 551-555

Hajji Lobna, Regaieg Hajer, M'Hamdi-Boughalleb Naima and **Horrigue-Raouani Najet**.2016 Studies on Disease Complex Incidence of *Meloidogyne javanica* and *Fusarium oxysporum* f.sp.*lycopersici* on resistant and Susceptible tomato cultivars. *Journal of agricultural and Science food technology* vol2.

Guesmi I., Hadj-Naser F., **Horrigue-Raouani N.**, Cantalapiedra-Navarrete C., Palomares-Rius J.E. et Castillo P., 2016. First report of the plant-parasitic nematode *Tylenchorhynchus mediterraneus* on olive trees in Tunisia. *Tunisian Journal of Plant Protection* 11 (1):171-177.

Ilhem Guesmi-Mzoughi, Antonio Archidona-Yuste, Carolina Cantalapiedra-Navarrete, Juan E. Palomares-Rius, Hajer Regaieg, **Najet Horrigue-Raouani**, et Pablo Castillo, 2016.Integrative identification and molecular phylogeny of dagger and needle nematodes associated with cultivated olive in Tunisia. *European Journal of Plant Pathology* DOI 10.1007/s10658-016-1011-x.

Ilhem Guesmi-Mzoughi, Antonio Archidona-Yuste, Carolina Cantalapiedra-Navarrete, Hajer Regaieg, **Najet Horrigue-Raouani**, Juan E. Palomares-Rius, et Pablo Castillo, 2016. First report of the spiral nematode *Rotylenchus incultus* (Nematoda: Hoplolaimidae) from cultivated Olive in Tunisia, with additional molecular data on *Rotylenchus eximius*. *Journal of Nematology* 48 (3):136-138.

Nesrine BOUALI, Sadreddine KALLEL, **Najet HORRIGUE-RAOUANI** 2014. Caractérisation de différentes espèces de *Pratylenchus* associées aux marcottières et aux plants greffés de MM106 en pépinières d'arbres à pépins en Tunisie. *ecologia mediterranea* – Vol. 40 (1) – 2014.

Juan E. Palomares-Rius & Ilhem Guesmi & **Najet Horrigue-Raouani** & Carolina Cantalapiedra-Navarrete & Gracia Liébanas & Pablo Castillo (2014) Morphological and molecular characterisation of *Pratylenchus oleae* n. sp. (Nematoda: Pratylenchidae) parasitizing wild and cultivated olives in Spain and Tunisia. *European Journal of Plant Pathology* 140: 53-67.

Hajji Lobna & **Najet Horrigue-Raouani** (2012). Efficiency of solarization and incorporation of cattle manure in managment of *Meloidogyne javanica* (Treub) Chitwood and *Globodera pallida* (Stone) Behrens associated with potato 75-78 *Pest Technology*