

Acknowledgements

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References

- ADAMS, B. J., NGUYEN, K. N. (2002): Taxonomy and systematics. In: GAUGLER, R. (Ed.). *Entomopathogenic Nematology*. Wallingford, UK, CABI Publishing, pp. 1 – 33
- BEDDING, R. A., AKHURST, R. J. (1975): A simple technique for the detection of insect parasitic rhabditid nematodes in soil. *Nematologica*, 21: 109 – 110
- CAMPOS-HERRERA, R., ESCUER, M., LABRADOR, S., ROBERTSON, L., BARRIOS, L., GUTIÉRREZ, C. (2007): Distribution of the entomopathogenic nematodes from La Rioja (Northern Spain). *J. Invertebr. Pathol.*, 95: 125 – 139
- EMELIANOFF, V. LE BRUN, N., PAGÉS, S., STOCK, P., TAILLIEZ, P., MOULIA, C., SICARD, M. (2008): Isolation and identification of entomopathogenic nematodes and their symbiotic bacteria from Hérault and Gard (Southern France). *J. Invertebr. Pathol.*, 98: 211 – 217
- HOMINICK, W. M. (2002): Biogeography. In: GAUGLER, R. (Ed.), *Entomopathogenic Nematology*. Wallingford, UK, CABI Publishing, pp. 115 – 143
- JOYCE, S. A., REID, A., DRIVER, F. CURRAN, J. (1994): Application of polymerase chain reaction (PCR) methods to identification of entomogenic nematodes. In: BURNELL, A. M., EHLERS, R. U., MASSON, J. P. (Eds), *Biotechnology: Genetic of entomopathogenic nematode-bacterium complex*. European Commission, Luxembourg, DG XII., pp. 178 – 187
- GARCIA DEL PINO, F., PALOMO, A. (1996): Natural occurrence of entomopathogenic nematodes (Rhabditida: Steinernematidae and Heterorhabditidae) in Spanish soils. *J. Invertebr. Pathol.*, 68: 84 – 90
- THOMPSON, J. D., HIGGINS, D. G., GIBSON, T. J. (1994): CLUSTAL W: Improving the sensitivity of progressive multiple sequence. *Nucleic Acids Res.*, 22: 4673 – 80
- TAMURA, K., DUDLEY, J., NEI, M., KUMAR, S. (2007): MEGA4: Molecular Evolutionary Genetics Analysis (MEGA) Software Version 4.0. *Mol. Biol. Evol.*, 24: 1596 – 1599
- VALADAS, V., BOYLE, S., VIEIRA, P., KAKOULI-DUARTE, T., MOTA, M. (2007): First report of an entomopathogenic nematode from continental Portugal. *Helminthologia*, 44: 226 – 229
- WHITE, G. F. (1929): A method for obtaining infective nematode larvae from cultures. *Science*, 66: 302 – 303

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