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| Nota di contenuto       | Preliminary Material / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Introduction / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 1. Morphology / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 2. Biology And Evolution / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 3. Methods For Applying Electron Microscopy / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 4. Methods Of Biochemical And Molecular Diagnostics / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 5. Systematics Of The Heteroderinae / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 6. Systematics Of The Genus Globodera / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 7. Systematics Of The Genus Punctodera / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 8. Systematics Of The Genus Cactodera / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 9. Systematics Of The Genus Dolichodera / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 10. Systematics Of The Genus Betulodera / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- 11. Systematics Of The Genus Paradolichodera / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Appendix I. Techniques For Recovery Of Cysts From Soil Samples / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Appendix II. Protocol For Preparation Of The Vulval Cones Of Cyst |

Nematodes / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Appendix III. Protocol For Identification Of Globodera Rostochiensis And G. Pallida Using IEF Of Proteins With Pharmacia Phast System / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Appendix IV. Protocols For Identification Of Cyst Nematode Species With PCR-ITS-RFLP Using AB28 And TW81 Primers / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- References / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Index Of Nematode Latin Names / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Index Of Plant-Host Latin Names / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Index Of Country Names / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin -- Index Of Plant Common Names / S. A. Subbotin , M. Mundo-Ocampo and J. Baldwin.

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Sommario/riassunto

Volume 8 in the series, appearing in two parts, A and B, deals with the systematics of cyst nematodes of the subfamily Heteroderinae. Cyst nematodes are important pathogens causing extensive damage and significant yield loss to many crops in both temperate and tropical regions. Part A presents summarised information on various aspects of morphology, biology, ecology, pathology, biogeography, control measures and diagnostics of these nematodes. Molecular diagnostic tables and comprehensive tabular and dichotomous keys for species identification, together with descriptions of protocols for extraction, light and electron microscopy studies, and molecular diagnostics are also included. The taxonomic section of part A provides diagnoses for six genera, viz ., Globodera , Punctodera , Cactodera , Dolichodera , Betulodera and Paradolichodera , and includes descriptions and morphometrics of 30 valid species. The work is illustrated by 101 drawings and photographs The genus Heterodera is mainly covered in part B, complete descriptions and morphometrics of the 80 known valid species being provided and the species illustrated by 159 line drawings and photographs Identification of the species using morphological and molecular techniques is also covered. Each part includes an extensive bibliography.

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