

CONTENTS

Foreword	vii
Preface	ix
List of Contributors	xi
1 Systematic Position and Phylogeny <i>Paul De Ley and Mark Blaxter</i>	1
2 General Organisation <i>Lynda M. Gibbons</i>	31
3 Life Cycles <i>Donald L. Lee</i>	61
4 Male and Female Gametes and Fertilisation <i>Jean-Lou Justine</i>	73
5 Embryology, Developmental Biology and the Genome <i>Ian A. Hope</i>	121
6 Hatching <i>Roland N. Perry</i>	147
7 Cuticle, Moulting and Exsheathment <i>Donald L. Lee</i>	171
8 Feeding and Digestion <i>Edward A. Munn and Patricia D. Munn</i>	211
9 Feeding Behaviour of Plant-Parasitic Nematodes <i>Urs Wyss</i>	233
10 Metabolism <i>Carolyn A. Behm</i>	261
11 Excretion/Secretion, Ionic and Osmotic Regulation <i>David P. Thompson and Timothy G. Geary</i>	291
12 Neuromuscular Organisation and Control in Nematodes <i>Richard J. Martin, J. Purcell, A.P. Robertson and M.A. Valkanov</i>	321
13 Locomotion <i>Robert McNeill Alexander</i>	345
14 Nematode Sense Organs <i>John Jones</i>	353
15 Behaviour <i>Donald L. Lee</i>	369
16 Nematode Survival Strategies <i>David A. Wharton</i>	389

17	Ageing <i>David Gems</i>	413
18	Immunology of Nematode Infection <i>Haruhiko Maruyama and Yukifumi Nawa</i>	457
19	Biological Control <i>Brian R. Kerry and William M. Hominick</i>	483
20	Behaviour of Entomopathogenic Nematodes <i>Nobuyoshi Ishibashi</i>	511
21	Chemical Control of Animal-Parasitic Nematodes <i>George A. Conder</i>	521
22	Anthelmintic Resistance <i>Nick C. Sangster and Robert J. Dobson</i>	531
23	Molecular Approaches to Novel Crop Resistance Against Nematodes <i>Howard J. Atkinson</i>	569
24	Epidemiology and Control of Nematode Infection and Disease in Humans <i>Donald A.P. Bundy, Helen L. Guyatt and Edwin Michael</i>	599
	Index	618