

Preface

Parasites, cysts and root-knot nematodes have evolved sophisticated mechanisms for exploiting plants, with profound agricultural impact. The susceptibility of plants to nematode parasitism has resulted in a significant effort to identify the cellular and molecular mechanisms involved in nematode-induced pathology of plants. We have been fortunate to gather a group of leading scientists who present in this book the current knowledge on nematode parasitism. Plant-nematode interactions are examined from organismal responses down to molecule-specific responses within the nematode and its host plant. In this exciting era of cell biology, computer-enhanced technology, ranging from microscopy to genomic analysis, is bringing us ever closer to using the knowledge generated to reduce the parasitic effects of nematodes on plants.

This book will be a useful reference for advanced undergraduate, graduate and postdoctoral students, as well as senior scientists.

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R. Howard Berg
Christopher G. Taylor



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