



Contents

| | |
|--|-----|
| <i>Preface</i> | vii |
| <i>Acronyms and Abbreviations</i> | xi |
| Chapter 1 Introduction | 1 |
| Chapter 2 Defence against Plant Pathogens | 17 |
| Chapter 3 Gene Silencing in Fungal Organisms | 36 |
| Chapter 4 RNA Interference in the Nematode <i>C. elegans</i> | 48 |
| Chapter 5 RNA Silencing in <i>Drosophila</i> and Mosquitoes | 90 |
| Chapter 6 RNA Silencing in Protozoa | 129 |
| Chapter 7 Examples of RNA Silencing in Lower Metazoa | 164 |
| Chapter 8 Gene Silencing in Non-Mammalian Vertebrates | 180 |
| Chapter 9 RNA Silencing in Mammals I | 192 |
| Chapter 10 RNA Silencing in Mammals II | 240 |
| Chapter 11 RNA Silencing in Angiosperm Plants I | 278 |
| Chapter 12 RNA Silencing in Angiosperm Plants II | 330 |
| <i>Epilogue</i> | 372 |
| <i>References</i> | 375 |
| <i>Appendix</i> <i>The Use of RNAi for Gene Therapy</i> by Eithan Galun | 407 |
| <i>Index</i> | 439 |