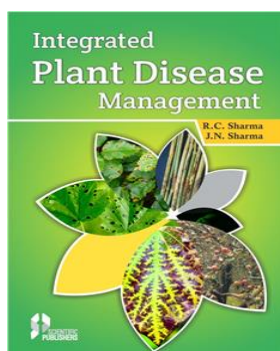


## Integrated Plant Disease Management

[R.C. Sharma & J.N. Sharma](#)



ISBN	: 9788172334000	Book Format	: Book
E-ISBN	: 9789387307827	Binding	: Hard Bound
Language	: English	Edition	: 1
Imprint	: Scientific Publishers	© Year	: 2023
Pages	: 362	Trim Size	: 6.50 X 9.50
Weight	: 760 Gms		

**Print Book** : ~~₹3,500.00~~ **₹3,150.00** **10%Off**

**Individual E Book** : **₹3,575.00**

**Institutional E Book** : **Price available on request**

### Blurb

Plant diseases often are the worst natural hazards in agriculture, horticulture and forestry. New diseases and new biotypes of existing disease producing organisms appear from time to time in more virulent forms. The most startling aspect of plant diseases is that their management cost us a huge sum every year with serious consequences in environment and human health. Therefore, integrated disease management practices need to be refined and adopted to reduce the crop losses. In this book, the current status of various aspects of integrated disease management in fruits, vegetable, ornamentals, cereals, pulses, oilseeds, medicinal and forest plants etc. has been analyzed. Major focus is on the integrated disease management in horticultural crops. Emphasis has been given to the use of non-chemical methods like cultural practices, soil solarization, plant growth promoting microorganisms, organic amendments, botanicals and biocontrol agents. It is hoped that the book will serve as an important guide to the plant pathologists, horticulturists, nematologists, microbiologists, mushroom scientists, breeders and students.

### Table of Contents

1. Studies on epidemiology and management of Marssonina blotch, the cause of premature leaf fall in apple - J.N. Sharma, P.K. Sharma and Anita Sharma
2. Studies on morphology and physiology of Marssonina coronaria causing premature leaf fall in apple - P.K. Sharma and J.N. Sharma
3. Effect of weather parameters on the epidemic of apple blotch in Himachal Pradesh - V.S. Thakur, Nirupma Sharma and Sonali Vaidya
4. Occurrence of Alternaria leaf spot (Alternaria alternata) on apple and its management - J.N. Sharma, Dharmesh Gupta, L.N. Bhardwaj and Ravinder Kumar
5. A rapid method for evaluation of apple germplasm for resistance to Dematophora necatrix causing white root rot - Satish K. Sharma, Y.P. Sharma, D.K. Kishore and K.K. Pramanick
6. Role of bacterial antagonists in the management of white root rot of apple - S.K. Sharma, Mamta Sharma and Meenu Gupta
7. Effect of decontamination processes on residues of carbendazim in apple fruits following dip treatment - I.D. Sharma and Amit Nath
8. Susceptibility of pear cultivars to stem end rot in relation to fruit qualitative characters - R.L. Sharma, Deepika Sood and Manju Choudhary
9. Novel approach for screening different antagonists against Agrobacterium tumefaciens causing crown gall in stone fruits - A.K. Gupta, Brijesh Kamal, Sandeep Kumar and R.C. Sharma
10. Widespread occurrence of biovar- 1 of Agrobacterium tumefaciens affecting stone fruits in Himachal Pradesh - Sandeep Kumar, Brijesh Kamal and A.K. Gupta
11. Association of sooty mould development with citrus whitefly, Dialeurodes citri Asmead, infestation on different citrus rootstocks - Ravinder Kumar, R.C. Batra and D.R. Sharma
12. Studies on Phytophthora spp. attacking strawberry in Himachal Pradesh - Meenu Gupta and L.N. Bhardwaj

### VEGETABLE CROPS

13. Population dynamics of VAM fungi and its effect on wilt of pea caused by Fusarium oxysporum f. sp. pisi - Shalini Verma and N.P. Dohroo
14. Comparative efficacy of biocontrol agents against Fusarium wilt of pea - Shalini Verma and N.P. Dohroo
15. Management of pea wilt/root rot complex by integrating plant extracts and biocontrol agents - Meena Devi and Y.S. Paul
16. Integration of biopesticides with bioagents in the management of pea wilt/root rot complex -Y.S. Paul, A.S. Kapoor and Meena Devi

17. Management of root rot/wilt complex disease of pea - A.S. Kapoor, Y.S. Paul, K. Kottaisamy and Meenakshi
18. Screening of pea germplasm for resistance against powdery mildew - Kumud Jarial and R.C. Sharma
19. Reaction of pea germplasm to powdery mildew and leaf miner under dry temperate agroclimate in Himachal Pradesh - C.L. Bhardwaj, K.C. sharma and S.D. Sharma
20. Role of soil hydrothermal regimes in development of bacterial wilt of tomato in Himachal Pradesh - Satish K. Sharma, Rajesh Kumar, N.P. Dohroo and Anju Sharma
21. Genetics of resistance to bacterial wilt in tomato (*Lycopersicon esculentum* Mill.) - K.C. Sharma, J.C. Gupta and V.K. Rathee
22. Management of root-knot nematode, *Meloidogyne incognita* in Tomato nursery by amendment with some organic wastes - Kum Kum Walia
23. Integrated management of *Meloidogyne incognita* (Kofoid and White) Chitwood in tomato (*Lycopersicon esculentum* Mill.) - Anju S. Khanna and sunil Kumar
24. Management of root-knot nematode (*Meloidogyne incognita*) problem in tomato on farmers' fields - G.C. Sharma and A.S. Kashyap
25. Prevention of tomato leaf curl virus spread by soil mulching - Dharmesh Gupta, P.D. Thakur, P.K. Sharma, Anil Handa and Usha Sharma
26. Partial characterization of a potyvirus causing mosaic disease in tomato (*Lycopersicon esculentum* Mill.) in Himachal Pradesh - Dharmesh Gupta, P.D. Thakur, S.C. Chowfla, I.D. Garg and Usha Sharma
27. Epidemiology of a mosaic disease of tomato in Himachal Pradesh - P.K. Sharma, Anil Handa, P.D. Thakur, Usha Sharma and Dharmesh Gupta
28. Post-harvest losses of bell pepper and tomato fruits in Himachal Pradesh - R.L. Sharma, Manju Choudhary and Arti Shukla
29. Detection of seed-borne infection of bacterial wilt in capsicum - Preeti Aggarwal and A.K. Sood
30. Diseases of bell pepper under protected cultivation conditions and their management - S.K. Gupta, R. Bhardwaj, M.K. Sharma and Y.C. Gupta
31. Integrated management of cucurbit mosaic - Ravinder Kaur and S.S. Kang
32. Management of radish mosaic disease in Himachal Pradesh - Usha Sharma, S.C Chowfla, P.D. Thakur, Anil Handa and Bhupesh Gupta
33. Occurrence and management of siliqua blight of cabbage seed crop in dry temperate conditions of Himachal Pradesh - Narender K. Bharat and B.S. Dogra
34. Variations in the physiological and antagonistic behaviour of wild and mutant strains of *Trichoderma viride* S.K. GANDHI and M.K. SAIKIA

#### **ORNAMENTAL CROPS**

35. Integration of soil solarization with cruciferous leaf residues for the control of *Fusarium* wilt pathogen of gladiolus - Harender Raj and Sachin Upmanyu
36. Integrated management of *Fusarium* yellows of gladiolus caused by *Fusarium oxysporum* f. sp. *gladioli* Snyder & Hans. under polyhouse conditions - Shyama Nand Sharma, Sunita Chandel and Manica Tomar
37. Management of *Septoria* leaf spot of chrysanthemum through cultural practices - Sunita Chandel, Vanita Chandel and Manica Tomar
38. Partial characterization of a tospovirus and chrysanthemum B carla-virus infecting chrysanthemum in Himachal Pradesh - Promil Kapoor
39. Effect of VA-mycorrhizae, nitrogen and phosphorus on growth and flowering in tuberose (*Paliantes tuberosa* L.) - Satyavir Singh, N.R. Godara and B.P. Sharma
40. Production of virus free plants of African marigold (*Tagetes erecta* L.) through shoot meristem culture - S.V. Bhardwaj, Arpana Mehra, Anil Handa, Shubhr Jyotsana and Madhurima Bhatnagar
41. Characterization of a carlavirus infecting Oriental lilies - Ashutosh Bhaik and Anil Handa
42. Incidence of lily symptomless carlavirus in polyhouse grown *Lilium* in Himachal Pradesh - Bunty Shylla, Ashutosh Bhaik, Anil Handa and P.D. Thakur
43. Production of *Lilium* hybrid cv. Marco Polo plantlets resistant to fusaric acid through somaclonal variations - Madhurima Bhatnagar, S.V. Bhardwaj, P.D. Thakur, Pooja Bhatnagar and Amit Kumar

#### **CEREAL, PULSE AND OILSEED CROPS**

44. Status of resistance in popular wheat cultivars against major dis-eases in India - D.P. Singh, A.K. Sharma, M.S. Saharan, J. Kumar and Jag Shoran
45. Method for scoring of leaf blight of wheat caused by *Bipolaris sorokiniana* (Sacc.) Shoem. at adult stage on top two leaves and its validation - D.P. Singh and Pankaj Kumar
46. Characterization of *Alternaria brassicae* isolates from Haryana on the basis of nutritional behaviour - Naresh Mehta, Anil K. Khurana and M.S. Sangwan
47. Linear regression model for yield-loss determination of foliar diseases in black gram and common bean - C.L. Bhardwaj, B.S.Thakur, J.C. Gupta and Kishore Khosla
48. Performance of promising common bean cultivars under natural fertility and biotic disease stress condition in dry temperate agroclimate - C.L. Bhardwaj, A. Singh, B.S. Thakur and J.C. Gupta

#### **FOREST AND MEDICINAL PLANTS**

49. Biological control of damping off disease caused by Fusarium species in Dalbergia sissoo Roxb. - J.C. Kaushik, B.S. Mandal and Sushil Sharma

50. Evaluation of plant extracts against Fusarium solani causing root rot of khair (Acacia catechu) - Manica Tomar and R.C. Sharma

51. Development of leaf rust (Melampsora ciliata Barclay) in Populus ciliata hybrids - Sanjeev Sharma and R.C. Sharma

52. In vitro inhibitory effect of some fungal antagonists against Sclerotium rolfsii from Glaucium flavum Crantz - S. Kansal and R.C. Sharma

#### **MUSHROOMS**

53. Determination of thermal death point of different mushroom moulds - S.R. Sharma and Satish Kumar

54. Change in pH values of different casing substrates during cropping of Agaricus bisporus (Lange) Imbach - R.S. Jarial and T.R. Shandilya

55. Salt accumulation in different casing media with the crop progression of Agaricus bisporus (Lange) Imbach - R.S. Jarial and T.R. Shandilya

#### Featured Titles

Afforestation of Arid Lands

Soil and Water Conservation in semi-Arid Areas

Soil Salinity Assessment-Methods and Interpretation of Electrical Conductivity Measurements

This is computer generated document and does not require signature

Scientific Publishers

Date :- Sat Feb 08 2025