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Dr. Ningaraj Belagalla Post graduated M.Sc. Agricultural Entomology from UAS Dharwad and PhD from PAU Ludhiana. Presently working as Assistant Professor of Entomology from University of Mysore. Awarded with Best researcher, Young Entomologist, Best PhD Thesis and Bharat Seva Puraskar from various institutions and societies of national and international bodies. Published various research, review papers, book chapters and popular articles in wel reputed peer reviewed national, international, scopus indexed and Web of Science journals. Published two patents on rigid tine cultivar and drone design to deliver goods. Presently engaged in research work on semi-synthetic diets and biological control of crop pests of agriculture and horticultural crops.

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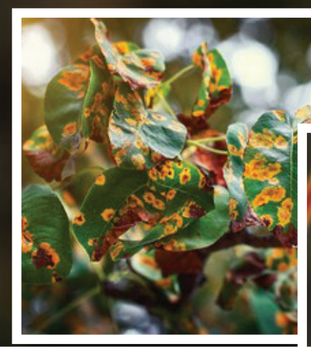

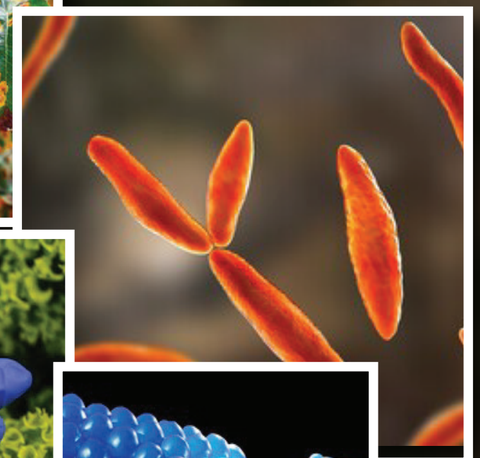

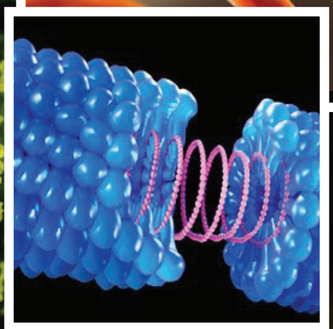

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PREFACE

Plant pathology, the study of plant diseases and the organisms that cause them, has been a crucial discipline in ensuring the health and productivity of crops for centuries. As we face unprecedented challenges in agriculture, such as climate change, population growth, and the emergence of new pathogens, the field of plant pathology is evolving to meet these demands. "Emerging Trends in Plant Pathology" aims to provide a comprehensive overview of the latest advancements and innovations in this dynamic field, highlighting the cutting-edge research and technologies that are shaping the future of plant disease management.

This book brings together contributions from leading experts in plant pathology, covering a wide range of topics that reflect the diverse nature of the discipline. From the application of molecular techniques in disease diagnosis and the development of resistant crop varieties through genetic engineering, to the use of remote sensing and precision agriculture in disease monitoring and management, the chapters in this book showcase the most promising approaches to tackling the complex challenges posed by plant diseases. The authors also explore the potential of biological control agents, integrated pest management strategies, and the role of plant-microbe interactions in promoting plant health and resilience.

"Emerging Trends in Plant Pathology" is intended to serve as a valuable resource for researchers, academics, students, and professionals working in the fields of plant pathology, agronomy, horticulture, and related disciplines. By providing a timely and in-depth analysis of the latest developments in plant pathology, this book aims to foster collaboration, inspire innovation, and contribute to the ongoing efforts to protect and enhance crop production worldwide. We hope that the insights and knowledge shared within these pages will help to advance the field of plant pathology and support the development of sustainable and resilient agricultural systems for generations to come.

Happy reading and happy gardening!

Editors……

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