
Preface

The perils of pesticides developed on the basis of petro-chemical derivatives have drawn the attention of public domain extensively towards its environmental dangers and chemical pollution in view of survival and health of living ones and human on planet. World wide attention on chemical pollution in soil, air, water and other eco-systems through pesticides have led our focus to change the current mindset to investigate and innovate new approaches. In this context, a number of documentations have been made globally. However, the major focus has been Asian continent and particularly one of the thickly populated locality like India. Apart from residue in food and environment and resistance problem in target pests, detrimental effect of these petro-chemical pesticides on beneficial organisms and focussed cautions by various global programmes inspired me to utilize my three and half decades' working experience on plant biopesticides to publish a book along with potential subject experts. The book is intended for the benefit of students, researchers, teachers, entrepreneurs and common persons including policy makers to have one hand knowledge and for the advancement in the area of plant biopesticides that could be used in future to manage the field and storage of arable crops, veterinary pests, disease carrying arthropods, storage pests, honeybee mite pests, utility of biologically active plants in transforming farming system, phytochemical pesticides, influence on non-target organisms, possible mode of action, limitations, registration and regulation of plant biopesticides along with the focus on potential bioresources as examples to develop useful and eco-friendly biopesticides etc.

With the above views and current worldwide society demand, I proposed to take the lead in identifying leading potential contributors globally whose contributions are noteworthy in the area of plant biopesticides to prepare quality write-ups on advances in this area based on research reviews and their experiences in the form of a book to get it published through an international publisher – Springer. I am kind enough to Springer (India) officials, New Delhi, India, who got my proposal internationally reviewed and accepted my proposal to publish the important document on burning issues of pesticides from biologically active plant species and associated major problems to overcome the losses and its side effects. The book contains 19 chapters on different issues of plant biopesticides. I am grateful to the staff of Springer (India) who cooperated me and gave replies to all my queries during

preparation of the book manuscript. I am especially grateful to Springer (India) staff; Dr. Richa Sharma who in 1st instance gave green signal for the approval of publication of the book after completing their Springer's international review system; Dr. Mamta Kapila who supported, cooperated and inspired me to be in close contact with global contributors for enhancing the speed of the writeup and its technical editing, and Ms. Raman Shukla who put the manuscript to production. I am also grateful to Distinguished Professor Emeritus, Dr. Mir S. Mulla of University of California, Riverside, CA, USA, who accepted my request heartily to review and write up the foreword of the book. I am very thankful to all the contributors for submitting their chapters within the stipulated time limit. I am thankful to my beloved family members, support and regular inspiration especially from my wife – Mrs. Shail Singh, and several other colleagues, friends and well wishers who supported directly/indirectly asking about the status and progress of the book regularly till completion and manuscript submission to publisher.

I hope that this book will provide new knowledge to our present and future researchers who are interested to develop novel, environmentally safe plant biopesticides.

Lucknow, India

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Editor

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