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FOREWORD

In recent days, environmental changes are very common phenomena all over the world and are being considered as the major threat to the existence of the plants and microbes. Microbes which promote the growth of the plants with immense agricultural potentialities are also being adversely affected by this continuously changing environment. As a result, overall agricultural yield is decreasing very rapidly, which is seriously threatening the global food security and world economy and socio-economic progress. Besides this, plants and microbes are losing their beneficial properties and getting lost with increasing environmental disturbances leading to disastrous economic consequences. In addition to this, harmful impacts of environmental changes on the vegetation and micro flora of forest ecosystem cannot also be ignored. Hence, there is urgent need to resolve this serious problem of environmental change to sustain plant and microbial growth in both terrestrial and aquatic habitats. In this respect, utilization of genetically modified and resistant variety of plants and microbes for the reclamation of environmental factors such as soil, water and air could be a perfect way.

This book would be helpful in understanding the selectivity and manipulation of the plants and microbes which will provide improved food quality, valuable products and services to humans and animals in the ever changing environment.

The book also discusses the sustainability of ongoing scientific endeavours to use molecular and genetically processed data have already been proven to play important roles in developing or improving socioeconomic welfare through the production of numerous products for health care, genetically modified plants and microbes for increased agricultural production and environmental protection.

I wish this book to make its unique position and also act as a repository for the information regarding exploitation of the plants and microbes for the betterment of the mankind and ultimately, for an advancement and development of the socio-economic status of the people. In brief, I hope the book will help the readers to know about the ecological, scientific and socioeconomic importance of both plants and microbes and will also create awareness in their minds for sustaining the plant and microbial diversity.

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