



Book Review-----

Plants always played a key role in fulfilling human needs. But, like human beings and other animals, the plants are also subjected to various harmful and pathogenic diseases. This compilation of fungal diseases includes new plant fungal diseases reported during 21st century i.e. during the year 2000 to 2011. The plant disease like rot, leaf and stem spot, powdery and downy mildew, rust and smut, blight, wilt, damping off, die back and anthracnose were found prevalent caused by a vast group of fungal pathogens like species of Sclerotium, Rhizoctonia, Alternaria, Phytophthora, Ceratocystis, Fusarium, Colletotrichum, Curvularia, Oidium, Erysiphe, Sclerospora, Podosphaera, Plasmopara, Golovinomyces, Puccinia, Coleosporium, Uncinula Ustilago, Bipolaris, Phyllosticta, Choanophora, Ceratocystisfimbriata, Pithomyces, Botryodiplodia, Pestalotiopsis, Cercosporoids, Lasiodiplodia, and Phomopsis. The work will provide a useful compendium for mycologists and plant pathologists, increase the recognition of new fungal pathogens in phytopathological research, and spark new questions for future study.



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### New Plant Fungal Disease during 21st Century in India

An Update for 2000-2011



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## Additions to New Plant Fungal Disease during 21<sup>st</sup> Century in India: An Update for 2000-2011

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With the regular change in global environmental conditions, introduction of hybrid crops, changing agricultural methods may lead to develop new plant diseases and pathogens. This compilation of fungal diseases in plants will help us in understanding the major gaps in our knowledge and to develop suitable management strategies for restricting the fungal diseases and will provide a useful compendium for mycologists and plant pathologists, increase the recognition of new fungal pathogens in phytopathological research, and spark new questions for future study.

It is an established fact that plants are the soft victims of many diseases as is reported in earlier studies. The compilation gives a broader perception of plant diseases caused by fungi in India reported during the 21<sup>st</sup> century. The book is divided into three major chapters and their subparts. Chapter one describes history of Indian plant pathology and plant pathologists. The major diseases of significance that have been reported in available literature are included in the second chapter. Rot, Leaf and stem spot, powdery and downy mildew, rust and smut, blight, wilt, damping off, die back and anthracnose diseases caused by different fungal pathogens are added in this section. Statistical analysis of the study, like most frequently occurring diseases and pathogen, disease wise and year wise presentation of data and conclusion are summarized in the third chapter.