

BOOK REVIEW

Tatiana Eugenia Şesan & Cătălin Tănase, *Phytopathogenic ascomycetes*, 2011, Bucureşti University Publishing House

Phytopathogenic Ascomycetes volume represents a new contribution to the updating of knowledge on this group of fungi, important both theoretically, but especially from the practical perspective, especially targeting those (asco) taxa that are pathogens on crops but also on the spontaneous species. This paper is addressing to all those who are training and specializing in Phytopathology and Plants Protection domains.

Thus, the book is a continuation of the author's project to update the knowledge of plant pathology, after the publication in 2007 of the book *Anamorphic phytopathogenic fungi*, published by the same team in the prestigious Publishing House of University from Bucharest.

Ascomycetes taxonomy, published so far by the same authors [TĂNASE & ŞESAN, 2006; ŞESAN & TĂNASE, 2006] based on the *Dictionary of the Fungi*, IXth edition (2001), has been updated in this volume after the new edition of the *Dictionary of the Fungi* Xth edition [KIRK & al. 2008] and after the book *Fungal Families in the world* [CANNON & KIRK, 2007], published as an annex to the first dictionary. We mention that, besides the recognized difficulty of the taxonomy of fungi, in this area have recently been recorded many new results, modern, on which different authors have contributed to some changes, clarifications, evaluations and reevaluations that have made imperative the updating of the knowledge in this field, actualizations of which the authors of this paper wanted to align. In the future, the authors have also in preparation a volume dedicated to phytopathogenic basidiomycetes (2012) in order to complete the actualization of the most important taxonomic groups of fungi that cause damage to plants.

The book is divided into eight chapters, starting with general data, fundamental data on the macromycetes diversity and on the variability of this group, on the organization and taxonomy of phytopathogenic ascomycetes. For each phytopathogenic species are presented the relevant symptoms on the host plants, the life cycle, but also elements necessary to prevent and combat the attack. Given the applicability of research results in plant protection domain, tables have been prepared with the synthetic products plant effective in the protection against every disease, especially useful for practitioners.

Protection measures, prevention measures and control measures have been developed, for the diseases produced in crops, forestry, vine cultures, insisting on the un-polluting ones and on the biological control of plant diseases means. The paper includes unconventional elements of biological control of plant diseases, summarized from the current literature, but especially supported by the results obtained over a long career and experience of the authors in the field, confirmed by several works published in Romanian and international journals.

The volume includes 111 figures and 32 tables prepared by the authors and 6 color plates with original photographs. The figures illustrates very well the scientific content, the wealth of information contained in the book and allow more accurate and more intuitive understanding of the knowledge presented.

A glossary of scientific terms completes the book, to better explain the concepts, to understand, learn and use of these terms in the interpretation and evaluation of the achieved results.

We recommend this book especially to biologists students (from the departments of Biology, Ecology and Environmental Protection and Biochemistry), but also to those of the Faculty of Agriculture, Horticulture, Forestry, and amateurs who want to know the main novelty about phytopathogenic ascomycetes and how diseases in plant crops can be eradicated.

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