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Voir les figures à la fin de cette issue.

BOOK REVIEW

FRIEND, J., THRELFALL, D. R. (ed.): **Biochemical Aspects of Plant-Parasite Relationships.** Annual Proceedings of the Phytochemical Society Number 13. Proceedings of the Phytochemical Society Symposium University of Hull, England April, 1975. — Academic Press, London—New York—San Francisco 1976. 354 pp., £ 10.80, \$ 23.50.

The book is the 13th number of Annual Proceedings of the Phytochemical Society — Proceedings of the Phytochemical Society Symposium held at the University of Hull in England in April 1975.

In recent years increased emphasis has been placed on the use of biochemical methods and techniques for research in plant pathology. This volume presents some of the biochemical aspects of the mechanisms involved in the resistance of plants to the invading microorganisms. Papers on the genetics of fungal-plant interactions and on structural features of both infection and resistance are included in this volume.

Twenty one authors contributed to the fifteen chapters of this book. The host-parasite interactions, especially the pre-penetration stages of disease, the influence of the soil microbial population on these interactions, the gene-for-gene relationship between genes for resistance in the host and for virulence in the pathogen are included in the first three chapters. The structural changes produced during the host and parasite interaction before and during the penetration of the host cell wall, the intracellular infection structures, the alteration of the host's metabolism, molecular exchange and incompatibility, supplemented with many electron microscope photographs are included in the fourth chapter. The enzymatic action of pathogens, the hormonal changes as a consequence of pathogenesis and the fungal and bacterial phytotoxins are included in chapters five to eight. The structural features of resistance to plant diseases are described in chapter nine. The last four chapters describe the role of some plant antimicrobial substances, of some phytoalexins in disease resistance, the lignification in infected tissue and the nucleic acid metabolism in plants infected by pathogenic fungi.

This book which serves to the recognition of the structural and genetic basis of the plant-parasite interaction may be recommended as a very recent source of information for research workers, postgraduates and undergraduates taking specialized courses in physiological plant pathology.

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