

SHARMA, D. D., SHARMA, H. K., PALIWAL, G. S.: Size correlations among cambial initials and their derivatives in *Polyalthia longifolia* Thw. – Acta Soc. Bot. Pol. 48 : 93–98, 1979.

ZAGORSKA-MAREK, B.: Growth activity of fusiform initials in storied cambium. – Acta Soc. Bot. Pol. 44 : 537–552, 1975.

Fig. 1 at the end of the issue

BOOK REVIEW

DUNBAR, B. S.: TWO-DIMENSIONAL ELECTROPHORESIS AND IMMUNOLOGICAL TECHNIQUES. – Plenum Press, New York – London 1988. 371 pp., 127 figs. US \$ 59.50.

The book is divided into two methodically connected parts dealing with two-dimensional electrophoresis and immunological techniques.

The first part summarizes the principles of electrophoretic methods starting with the introduction into the basic theories of the electrophoresis (movement of molecules in electrical field, choice of buffers for electrophoresis, basic types of electrophoresis), and the basic principles of polyacrylamide gel electrophoresis with the accent on the role of catalysts (initiators) in acrylamide polymerization, acrylamide pore size and SDS-acrylamide gel electrophoresis.

The following parts of the book concern the practical application to and strategies for using polyacrylamide gel electrophoresis in the fields of purification of proteins and peptide mapping.

Special chapters deal with the sample preparation for electrophoresis and protein detection in polyacrylamide gel electrophoresis, including the isotopic labelling of protein for electrophoresis analysis.

An important part of this book is devoted to strategies for using the polyacrylamide gel electrophoresis in the preparation and characterization of antibodies. This is a very useful review of the isolation of monoclonal and polyclonal antibodies immunization procedures and of methods for immunoglobulins purification and detection.

The readers will find here plenty of photographic material which can help to a full understanding of the topic studied.

The book is a useful laboratory manual and can be recommended to all research workers who begin to use some of these techniques in their research program.

NOEMI ČEŘOVSKÁ (Praž)