

Birren, B., Green, E.D., Klapholz, S., Myers, R.M., Roskams, J.: **Genome Analysis: A Laboratory Manual. Volume 1 Analyzing DNA.** - Cold Spring Harbor Laboratory Press, Cold Spring Harbor 1997. 675 pp. ISBN 0-87969-496-3.

This is the first volume of a series of laboratory manuals devoted to genome analysis. Following volumes will cover detection of genes, cloning and mapping. In comparison to popular Molecular Cloning, volume on Analysis of DNA, though covering similar topics, contains protocols designed mainly for analysis of large DNA fragments. In six chapters is described isolation of high molecular mass DNA from various sources (also *Arabidopsis thaliana*) and its analysis by restriction mapping, PCR, by sequencing and analysis of DNA and protein data. Particularly valuable is sequencing section describing various strategies for bulk sequencing projects with automatic sequencers. Though the manual is not plant oriented, many methods can be without or with slight modification used in laboratories working with plants. For instance, chapter on transposon-mediated DNA sequencing should be of particular interest for plant molecular geneticist even non plant transposon systems are described. In good tradition of CSHL Press manuals a comprehensive and useful Appendices are added.

K.J. ANGELIS (*Praha*)

Dehne, H.-W., Adam, G., Diekmann, M., Frahm, J., Mauler-Machnik, A., Van Halteren, P. (ed.): **Diagnosis and Identification of Plant Pathogens.** (Developments in Plant Pathology. Volume 11). - Kluwer Academic Publishers, Dordrecht - Boston - London 1997. 556 pp. ISBN 0-7923-4771-4.

This book contains proceedings of the 4th International Symposium of the European Foundation for Plant Pathology (September, 9 - 12, 1996, Bonn, Germany). The first part of this book is devoted to contributions of oral presentations and the second part to the poster presentations. Oral presentations were divide into six sessions. In first session were summarized general aspects of plant protection, phytosanitary implications of diagnostic activities and other aspects on diagnostic methods. Other sessions dealt with taxonomy and differentiation of plant pathogens, serological assays, disease assessment and quantification of plant pathogens, disease prognosis and expert systems. The content of the poster contributions were very similar to oral ones. The individual chapters are written mostly by prominent scientists in the field, as e.g. editors themselves. The book covers all aspects of the problems of the diagnosis and identification of plant pathogen at all levels with the use of the most modern and reliable techniques. It is an excellent contribution for understanding of the temporal problems in the studied field. The book provides information for all researchers and scientists involved in the production of healthy crop plants. It is of special interest for plant pathologists with responsibility in the fields of plant quarantine, extension, and applied diagnosis of plant pathogens.

N. ČEŘOVSKÁ (*Praha*)