

Brouillard, R., Jay, M., Scalbert, A. (ed.): **Polyphenols 94**. - INRA, Paris 1995. 488 pp. FF 230.00. ISBN 2-7380-0602-7.

The reviewed book contains the proceeding of the 17th international conference on polyphenols entitled "Polyphenols 94" (formerly called „Journées Internationales d'Etude des Polyphenols“ or JIEP) held on May 23-27, 1994 in Palma de Mallorca, Spain. Plant polyphenols embraces a large array of secondary plant products that have provoked much interest among chemists, biochemists, botanists and food technologists. Five topics were selected for this conference: Polyphenols of plants and their transformation products; Genetics, biochemistry and molecular biology of polyphenols; Polyphenols and metal ions; Biological and pharmacological activities of polyphenols; and New analytical techniques in polyphenol investigations.

The publication presents 12 major contributions by invited lectures relating to NMR spectroscopy, complexation and oxidative transformation of polyphenols, involvement of cytochrome P 450 in biosynthesis of phenolic compounds, molecular biology of flavonol sulfotransferases, siderophores, model systems of ligninase, bioactive lignans and flavonoids from traditional medicines, new methods for the identification of bioactive polyphenols, and separations of phenols and polyphenols by capillary zone electrophoresis and micellar electrokinetic chromatography. It contains further 157 two-page papers divided into five parts in accordance with the above mentioned topics and presented as either oral or poster communications and summary of round table: Anthocyanins, oxidation and food and beverage colour.

The book offers the overview of the latest results of polyphenol research. It may be of interest for the people involved in large array of activities from fundamental research to industrial applications whose common concerns are polyphenols.

M. CVIKROVÁ (*Praha*)