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PREFACE

The 10th International Symposium on Biomedical Applications of Chromatography and Electrophoresis was held in Castle Žinkovy in West Bohemia (near Pilsen), Czechoslovakia from April 26 to 29, 1988. The symposium was organized by the Chromatography and Electrophoresis Group of the Czechoslovak Chemical Society and by the Chromatography Group of the Society for Clinical Chemistry and Laboratory Diagnostics of the German Democratic Republic. It was further more sponsored by the Institute of Physiology of the Czechoslovak Academy of Sciences. The symposium was attended by 126 active participants from 14 countries.

This symposium was the tenth in a series of meetings organized by both societies mentioned above, which started in 1966 in Leipzig, and represented a continuation of meetings organized by the Chromatography Section of the Czechoslovak Chemical Society since 1961 and devoted to special problems of planar techniques. The emphasis of this 10th symposium was on the following topics:

- (i) advanced instrumentation in high-performance liquid chromatography (HPLC), gas chromatography (GC) and electrophoresis;
- (ii) assaying of endogenous compounds with special emphasis on the analysis of amino acids, purines and pyrimidines, neurotransmitters, biopolymers, lipids and their constituents, hormones and vitamins;
- (iii) separation of drugs and other exogenous compounds. The applications covered drug monitoring and pharmacokinetic studies and clinical toxicology.

The programme consisted of 9 invited plenary lectures, 12 selected contributions presented orally and 45 posters. The plenary lectures, most of which are not published in this symposium issue, dealt with the following themes:

S. Hjertén (Uppsala): Comparison of various chromatographic and electrophoretic techniques for protein analysis.

F.A.J. Muskiet (Groningen): Chromatographic analysis of biogenic amines.

A.P. De Leenheer (Ghent): Strategies for the HPLC analysis of lipophilic vitamins in biosamples.

P. Mareš (Prague): Recent advances in the chromatography of lipids.

R.K. Müller and H.-J. Wehran (Leipzig): Chromatography in clinical and forensic toxicology.

A.F. Fell, J.C. Berridge, T.A.G. Noctor and A.G. Wright (Bradford): Biomedical applications of computer-aided optimization in HPLC.

B.G. Belenkii (Leningrad): Use of laser detectors in capillary liquid chromatography.

U.A.Th. Brinkman (Amsterdam): Sample preparation for drug monitoring.

A. Krstulović (Paris): Strategies in chiral HPLC separation of drugs.

Selected contributions of the last two categories are published in this volume in extenso.

Prague (Czechoslovakia)

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