

ANALYTICAL BIOTECHNOLOGY

edited by
C. VAN DIJK

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**Proceedings of the 4th International
Symposium on Analytical Methods,
Systems and Strategies in Biotechnology,
Noordwijkerhout, The Netherlands,
September 21–23, 1992**

Edited by

C. van Dijk

Institute for Agrotechnological Research (ATO-DLO), Wageningen, The Netherlands

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PREFACE

Anabiotec '92, the *Fourth International Symposium on Analytical Methods, Systems and Strategies in Biotechnology*, was held in Noordwijkerhout, The Netherlands from September 21 to 23, 1992. After being held in California in 1990 this meeting was located for the third time in The Netherlands. With nearly 200 attendees representing 15 countries this meeting was truly internationally oriented. In total there were over 30 oral presentations in parallel sessions and 53 posters. Discussion sessions on specific hot topics augmented the paper presentations. The relatively small size of *Anabiotec* provided an ambience of informality leading to open discussions. In conjunction with the Symposium a small exhibition was run in parallel emphasising the interactions between research in the integrated fields of analysis and biotechnology at one hand and their applications at the other hand.

Like its predecessors, the Symposium was focused on the further integration of biotechnology and analytical chemistry. The results of *Anabiotec '92* clearly demonstrated that a substantial progress could be reported in the application of both conventional and new analytical techniques, the latter essentially based on natural analytical tools such as biomolecules.

Due to the required integration of biotechnology and analytical chemistry, the number of practising analytical chemists feeling at ease upon working with proteins, peptides, and carbohydrates is steadily increasing. Also biotechnologists are themselves applying sophisticated analytical methodologies in their own laboratories. The main themes covered during this meeting can be allocated to the following integrated fields of

analysis in biotechnology: fermentation monitoring, chromatography, instrumental analysis, biosensors and bioanalysis. In comparison with the previous *Anabiotec* symposia relatively new areas of research and application were mentioned. The general tendency was deepening and broadening of research and their applications in the above mentioned areas.

As Chairman of *Anabiotec '92*, I wish to express my personal appreciation to all those individuals whose efforts help to ensure the success of the Symposium. The help, suggestions, and the undertaking of the time-consuming abstract review process by the Scientific Committee was appreciated. Special thanks go to Bauke te Nijenhuis and Joost Holthuis for their invaluable help and guidance during the organization of *Anabiotec*.

In addition my thanks also go to the session organizers, chairpersons and discussion leaders for their contribution to the meeting.

Finally, I want to thank all of the delegates, both presenters and non-presenters, who attended and participated in *Anabiotec '92*. Without your active participation and support, such international meetings would not have a fertile basis.

This issue of *Analytica Chimica Acta* includes most of the papers submitted for publication after presentation as oral or poster contributions to the Symposium. The next *Anabiotec* meeting is scheduled to be held in 1994 in Canada.

Cees van Dijk
Symposium Chairman

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