

Proceedings of the Conference on Trends in Electrochemical Biosensors



This book gives an overview of the present trends in a rapidly growing interdisciplinary field, namely the research and development of biosensors. It focuses on the development of new biosensors which combine the sensitivity and specificity of biological systems (enzymes, immunosystems, microbial cells, tissue, plants etc) with the efficiency of electrochemical transducers. The molecular mechanisms of the processes in biosensors as well as the new methods for transduction and immobilization of biosystems are described in detail. Also, important fields of application are evaluated, i.e. medicinal chemistry including in vivo monitoring, environment pollution monitoring, biotechnology process control, determination of food contaminants and food quality control.

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Miertus (Slovak Technical University, Bratislava, Czechoslovakia). This book **Trends in Electrochemical Biosensors: Proceedings - Trends in Electrochemical Biosensors. Proceedings of the Conference. Conference on Trends in Electrochemical Biosensors Trieste, Italy, 22 . Conference Proceedings Accepted Abstracts Biosensors & Bioelec** Novel trends in affinity biosensors: current challenges and perspectives . the current and future applications of electrochemical and other biosensors especially **CMOS Electrochemical Instrumentation for Biosensor - MDPI 2nd International Conference and Exhibition on Biosensors & Bioelectronics** New trends in nanomaterials based electrochemical biosensor towards health **Proceedings of the fifth ISEAC triennial internati..INIS** Technical Proceedings of the 2013 NSTI nanotechnology Conference . 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