


[DOWNLOAD](#)


Biosensors

By Rajmohan Joshi

2006. Hardcover. Book Condition: New. 308 A biosensor is a device for the detection of an analyte that combines a biological component with a physiochemical detector component. A typical biosensor consists of three parts: a sensitive biological element, a transducer in between and a detector element. The most widespread example of a commercial biosensor is the blood glucose biosensor, which uses an enzyme to break blood glucose down. In so doing it transfers an electron to an electrode and this is converted into a measure of blood glucose concentration. The high market demand for such sensors has fuelled development of associated sensor technologies. This book covers recent developments that combine the fields of biotechnology and electrical engineering with applications in the detection of very low levels of chemicals and biological agents in the body. It provides an authentic overview of a wide range of biosensing systems, discussing the elements of different transducers used in sensors and the selective elements that are employed. The style is relatively non-mathematical and informal in approach. The contents of the book will be ideal for graduate and postgraduate students of biotechnology, analytical and physical chemistry. It will also be invaluable to all those concerned with...



READ ONLINE
[4.83 MB]

Reviews

It is great and fantastic. Better then never, though i am quite late in start reading this one. Your life period will likely be transform once you comprehensive reading this book.

-- **Blanca Davis**

An extremely wonderful book with lucid and perfect information. It is one of the most awesome publication i have read. Your life period will probably be enhance the instant you total looking at this pdf.

-- **Prof. Dan Windler MD**