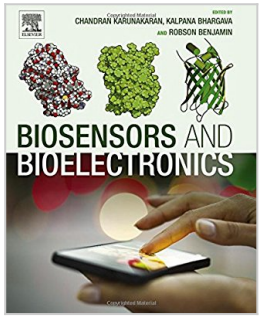

Biosensors and Bioelectronics

By Chandran Karunakaran, Kalpana Bhargava, Robson Benjamin

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Biosensors and Bioelectronics presents the rapidly evolving methodologies that are relevant to biosensors and bioelectronics fabrication and characterization. The book provides a comprehensive understanding of biosensor functionality, and is an interdisciplinary reference that includes a range of interwoven contributing subjects, including electrochemistry, nanoparticles, and conducting polymers.

Authored by a team of bioinstrumentation experts, this book serves as a blueprint for performing advanced fabrication and characterization of sensor systems?arming readers with an application-based reference that enriches the implementation of the most advanced technologies in the field.

- Features descriptions of functionalized nanocomposite materials and carbon fibre electrode-based biosensors for field and in vivo applications
- Presents a range of interwoven contributing subjects, including electrochemistry, nanoparticles, and conducting polymers
- Includes more than 70 figures and illustrations that enhance key concepts and aid in retention
- Ideal reference for those studying bioreceptors, transducers, bioinstrumentation, nanomaterials, immunosensors, nanotubes, nanoparticles, and electrostatic interactions
- Authored by a collaborative team of scientists with more than 50 years of experienced in field research and instruction combined

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Editorial Review

From the Back Cover

Methodologies relevant to biosensors and bioelectronics fabrication and characterization are rapidly evolving. A comprehensive understanding of biosensor functionality is necessary to build on technological advancements.

Biosensors and Bioelectronics is an interdisciplinary reference that provides a foundational understanding of this functionality through a range of interwoven contributing subjects including electrochemistry, nanoparticles, and conducting polymers.

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