DESCRIPTION

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- Electrified interfaces (electric double layers, adsorption, electron transfer, protein electrochemistry, basic principles of biosensors, biosensor interfaces and bio-nanosensor design and construction.
- Electric and magnetic field effects (field-dependent processes, field interactions with molecules, intramolecular field effects, sensory systems for electric and magnetic fields, molecular and cellular mechanisms)
- Bioenergetics and signal transduction (energy conversion, photosynthetic and visual membranes)
- Biomembranes and model membranes (thermodynamics and mechanics, membrane transport, electroporation, fusion and insertion)
- Electrochemical applications in medicine and biotechnology (drug delivery and gene transfer to cells and tissues, iontophoresis, skin electroporation, injury and repair).
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Life Scientists and Electrochemists

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INTRODUCTION

Bioelectrochemistry is an international journal devoted to electrochemical principles in biology and biological aspects of electrochemistry. It publishes experimental and theoretical papers dealing with the electrochemical aspects of:
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