Enzymatic Fuel Cells: From Fundamentals to Applications
Heather R. Luckarift (Editor Emeritus), Plamen B. Atanassov (Editor), Glenn R. Johnson (Editor)

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**DESCRIPTION**

Summarizes research encompassing all of the aspects required to understand, fabricate and integrate enzymatic fuel cells

- Contributions span the fields of bio-electrochemistry and biological fuel cell research
- Teaches the reader to optimize fuel cell performance to achieve long-term operation and realize commercial applicability
- Introduces the reader to the scientific aspects of bioelectrochemistry including electrical wiring of enzymes and charge transfer in enzyme fuel cell electrodes
- Covers unique engineering problems of enzyme fuel cells such as design and optimization

**ABOUT THE AUTHOR**

HEATHER R. LUCKARIFT is the Senior Research Scientist for Universal Technology Corporation at the Air Force Civil Engineer Center (formerly the Microbiology & Applied Biochemistry team at the Air Force Research Laboratory). She is the author of over fifty peer-reviewed publications and invited reviews.

PLAMEN ATANASSOV is a Professor of Chemical & Nuclear Engineering and the founding director of The University of New Mexico Center for Emerging Energy Technologies. He was the principal investigator on an Air Force Office of Scientific Research
Multi-University Research Initiative program: “Fundamentals and Bioengineering of Enzymatic Fuel Cells.” He is the author of more than 220 publications, including twelve reviews.

GLENN R. JOHNSON is the Chief Scientist and founder of Hexpoint Technologies and the former principal investigator of the Microbiology & Applied Biochemistry team within the Air Force Research Laboratory. He is the author of over fifty peer-reviewed publications and invited reviews.

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