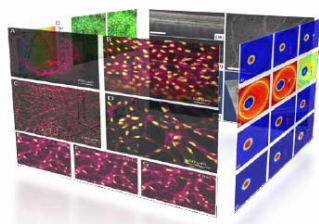


# VALERY V. TUCHIN (EDITOR) HANDBOOK OF PHOTONICS FOR BIOMEDICAL SCIENCE

SERIES IN MEDICAL PHYSICS AND BIOMEDICAL ENGINEERING

## HANDBOOK OF PHOTONICS FOR BIOMEDICAL SCIENCE

Edited by  
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The *Handbook of Photonics for Biomedical Science* provides and discusses the latest achievements, modern trends, and the future perspectives of photonics and obstacles to be overcome in its application to biomedicine. World-renowned experts in the field have contributed by presenting advanced biophotonics methods and cutting-edge techniques intensively developed in recent years.

The book addresses the latest problems in biomedical optics and biophotonics by providing a discussion on optical and terahertz spectroscopy and imaging methods for biomedical diagnostics. The handbook covers the use and application of various photonic technologies for therapy and surgery, cancer treatment and UV radiation protection. A detailed study on the advanced spectroscopy and imaging of normal and pathological tissues is also included.

This comprehensive handbook has not only collected in one place many recently published information scattered in the literature, but by providing a guidance and examples outlying the new advances, it enables researchers, engineers, and medical doctors to keep up with the state-of-the-art results in biophotonics science and technology.

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