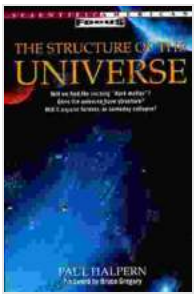
Photonics of Biopolymers: Biological and Medical Physics, Biomedical Engineering

Photonics of Biopolymers: Biological and Medical Physics, Biomedical Engineering is a comprehensive overview of the latest research and developments in the field of photonics of biopolymers. The book covers a wide range of topics, including the optical properties of biopolymers, the interaction of light with biopolymers, and the applications of photonics in biology and medicine.

The book is divided into three parts. The first part covers the optical properties of biopolymers, including their absorption, scattering, and fluorescence properties. The second part covers the interaction of light with biopolymers, including the principles of light scattering, fluorescence, and Raman spectroscopy. The third part covers the applications of photonics in biology and medicine, including the use of photonics for imaging, sensing, and therapy.



Photonics of Biopolymers (Biological and Medical Physics, Biomedical Engineering) by Arshad Iqbal

4 out of 5

Language	: English
Paperback	: 300 pages
Item Weight	: 2.51 pounds
Dimensions	: 6.14 x 0.56 x 9.21 inches
File size	: 5415 KB
Text-to-Speech	: Enabled
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Photonics of Biopolymers: Biological and Medical Physics, Biomedical Engineering is an essential read for researchers and students working in the field of photonics of biopolymers. The book provides a comprehensive overview of the latest research and developments in the field, and it is written in a clear and concise style.

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Chapter 1:

This chapter provides an overview of the field of photonics of biopolymers. It discusses the history of the field, the different types of biopolymers, and the optical properties of biopolymers.

Chapter 2: Optical Properties of Biopolymers

This chapter covers the optical properties of biopolymers, including their absorption, scattering, and fluorescence properties. It also discusses the factors that affect the optical properties of biopolymers, such as the type of biopolymer, the concentration of the biopolymer, and the temperature.

Chapter 3: Interaction of Light with Biopolymers

This chapter covers the interaction of light with biopolymers, including the principles of light scattering, fluorescence, and Raman spectroscopy. It also discusses the applications of these techniques in biology and medicine.

Chapter 4: Applications of Photonics in Biology and Medicine

This chapter covers the applications of photonics in biology and medicine, including the use of photonics for imaging, sensing, and therapy. It also discusses the challenges and opportunities for the future of photonics in biology and medicine.

Photonics of Biopolymers: Biological and Medical Physics, Biomedical Engineering is a comprehensive overview of the latest research and developments in the field of photonics of biopolymers. The book covers a wide range of topics, and it is written in a clear and concise style. This book is an essential read for researchers and students working in the field of photonics of biopolymers.

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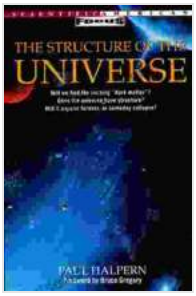

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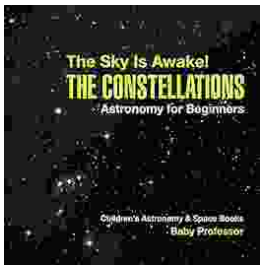

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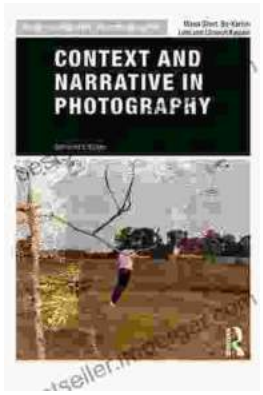

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