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Edited by Digambar M. Sapkal, Harshal M. Bachhav, Gaurav Mahadev Lohar, and Sanjay P. Khairnar, this collection brings together contributions from leading researchers and experts worldwide. Each chapter is assigned a unique Digital Object Identifier (DOI), ensuring wide discoverability and ease of citation across academic platforms. The book's high editorial and peer-review standards reinforce its credibility and relevance within the global scientific community.

Spanning topics from nonlinear optical crystals and rare earth nanomaterials to biocompatible polymers, electrochemical storage materials, and computational studies, the volume reflects the dynamic and interdisciplinary nature of modern materials science. It aims to provide readers with a comprehensive understanding of both fundamental principles and applied innovations shaping the future of scientific research and industrial development.

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Edited by

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