

Internationally acknowledged experts provide a survey of the most striking and successful approaches for the production of biogenic nanodevices using microorganisms. Entire chapters are dedicated to the biotechnological production of tailor-made, biopolymer-based, self-assembled nanostructures such as biopolyester, cyanophycin inclusions, and alginates, which can be processed into nanoparticles. Other chapters summarize recent developments in protein- and DNA-based nanodevice production. The book demonstrates the diversity of biological nanostructures, the implied design space, and the enormous potential for applications in medicine, biotechnology, drug delivery, and biocomputing.

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