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Nanoparticles are the building blocks for nanotechnology; they are better built, long lasting, cleaner, safer, and smarter products for use across industries, including communications, medicine, transportation, agriculture and other industries. Controlled size, shape, composition, crystallinity, and structure-dependent properties govern the unique properties of nanotechnology.

Bio-Nanoparticles: Biosynthesis and Sustainable Biotechnological Implications explores both the basics of and advancements in nanoparticle biosynthesis. The text introduces the reader to a variety of microorganisms able to synthesize nanoparticles, provides an overview of the methodologies applied to biosynthesize nanoparticles for medical and commercial use, and gives an overview of regulations governing their use.

Authored by leaders in the field, Bio-Nanoparticles: Biosynthesis and Sustainable Biotechnological Implications bridges the gap between biology and technology, and is an invaluable resource for students and researchers alike.