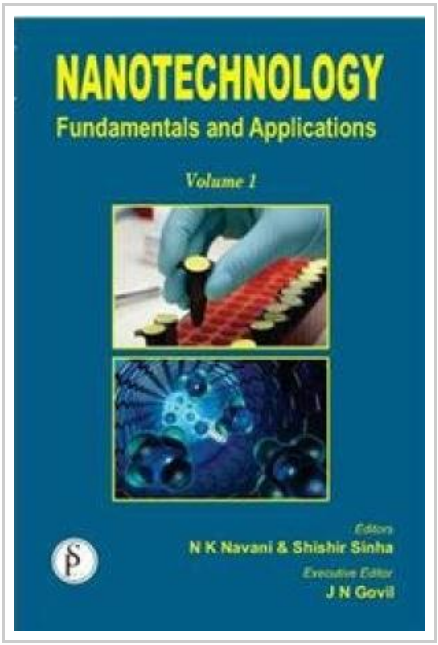


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Nanotechnology: Fundamentals and Applications (Volume 1)

By JN Govil, Naveen Kumar Navani and Shishir Sinha

Studium Press LLC / Researchco Books & Periodicals Pvt. Ltd., Houston, Texas, 2013. Hardcover. Book Condition: New. This first volume in the nanotechnology series ?Fundamentals and Applications? gathers and presents the principal concepts of nanotechnology and its diverse and multidisciplinary field of research and emerging applications. The initial chapter bestows us with the introduction to nanoscience and nanobiotechnology which deals with the brief history of naturally existing nanomaterial as an inspiration of nature to design engineered nanomaterials with broad -spectrum properties. Owing to its nano size, this technology has fashioned enormous products offering advantages over the conventional ones; ranging from the materials (nanofuel cells, catalyst, lubricant, aeronautics, automobiles, telecommunications, energy production, mechanics, biology, medicine, etc.); electronics and information technology (nanoelctronics, solar cell, single electron transistors, high sensitivity sensors, etc.); machines (nano engines, nano pumps, nanopropeller, pharmaceutical processes, in space technology, defence and ships, etc.); Life Science (molecular medicine, bioprocessing, agricultural systems, medical surgery, neural surgery, ecotoxicology, molecular imaging, delivery systems, etc). Many scientists and professionals have extensively admired and got inspired by the characteristics of nanomaterials, their broad range of existing applications and future prospects for improved lifestyle. While some of them have also addressed the risk of nanomaterials being...

Reviews

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