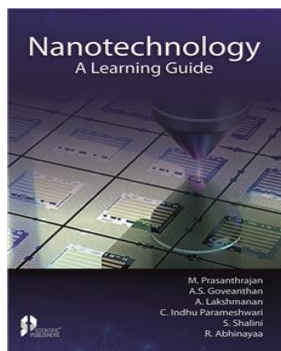


Nanotechnology A Learning Guide

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Blurb

Nanotechnology is the branch of science that deals with the design, fabrication and application of nanostructures, nanomaterials and fundamental understanding of the relationships between physical properties and material dimensions (typically ranging from 1 to 100 nm). Nanostructured materials (inorganic, organic, and biological) have existed in nature since the evolution of life on Earth. The size reduction of a naturally existing material to a nano scale would lead to a wide range of new physical and chemical properties with great potential and applications. Nanotechnology has become an active and vital subject which is rapidly developing in many field of research including agriculture and environment.

This book summarizes briefly the A to Z terminologies, MCQs connected with nanotechnology, fundamentals, techniques, synthesis, processing, characterization, properties and potential applications of nanomaterials. This book is divided in to six different sub sects, MCQs Nanotechnology, Glossary Nanotechnology, Instrumentation Nanotechnology, Major instruments as an easy to understand flowchart model, Abbreviations of Nanotechnology and students IQ corner. This book will be a real learning guide for the beginner, reference guide for the Master students, Doctoral scholars and Faculty dealing with Nanotechnology.

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