Preface

The present world is shrinking to nano dimensions. The materials in nano-domians are revolutionizing the every aspect of technology due to their unique characteristics and applications. The synergism of entirely two different constituents at nanogeometry leads to development of new class of materials known as nanocomposites. This book provides an insight to nanocomposites, their properties and applications in diverse fields.

Nanocomposites are defined as new class of advanced materials finding various applications in diverse fields including environmental pollutants remediation, ion exchange, drug delivery, tissue engineering, energy harvesting, sensors and food packing etc. The uniqueness in properties of nanocomposites is due to their composition and arrangements of constituents components. Nowadays researchers are trying to fabricate the multifunctional, biocompatible and inexpensive nanocomposites using green technologies. The present book highlight the usefulness of nanocomposites as future materials and describe the revolutionary development in the field of nanocomposites in context of their structural, behavioural and applicable aspect. The diverse nanocomposites such as metal oxides decorated, synthetic polymers and biopolymers based etc. has been discussed in detail.

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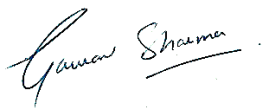
Editors



Dr. Gaurav Sharma

Dr. Amit kumar