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Advanced Polymeric Systems

Applications in Nanostructured Materials, Composites and Biomedical Fields

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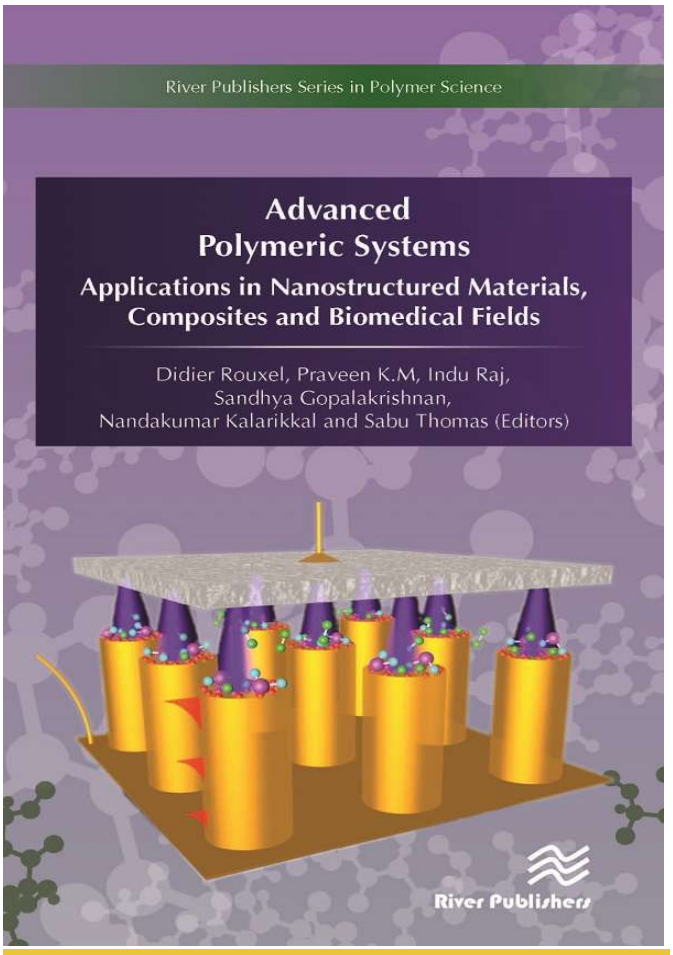
Over recent years a considerable amount of effort has been devoted, both in industry and academia, towards the incorporation of various macro, micro and nano sized fillers into polymers. There is also much interest in the evaluation of various polymer properties with respect to a wide set of applications. The advances in nanotechnology together with the development in material sciences has improved the shortcomings of these materials over the decade. This book covers the latest advances in the field of polymer nanocomposites and polymer composites for varied applications.

The major topics discussed in the book include:

- Nanostructured materials for energy applications
- Nanostructured polymercomposites
- Bio-polymers
- Nanostructured polymers for biomedical applications

The book contains extended and updated research papers that were initially selected for the ICAMP-2017 conference which focused on advances in polymer materials.

The book is ideal for researchers and practitioners in polymer science and materials science as well as for graduate students in polymer chemistry, materials science, nanotechnology and biomedical engineering.



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