About the Book
The synthetic counterparts of natural polymeric materials are now finding applications as light weight, mechanically strong and environmentally stable sheets, fibers, films, adhesives, paints and foams and thus have replaced most of the commodity and structural materials. The systematic research on the preparation, characterization and utilization of plastics resulted into newer and newer polymers of much better and often a set of several desirable properties in a single polymer and the polymers have established their place in engineering applications as well. Although the bulk of plastics production is of relatively simple commodity polymers, the proportion of specially designed and tailor-made plastics for specific and sophisticated applications is also increasing with a great pace. The specialty plastics as well as their use in specific and sophisticated applications are the key to the continued scientific growth and technological advances in the new millennium. This book thoroughly covers today's rapidly growing topics on the specialty polymers and their applications in most sophisticated and specialized areas. It gives the up-to-date in depth knowledge and extremely comprehensive details of the chemistry, physics, material science, technology and device applications of specialty polymers. This comprehensive book containing 16 state-of-art-review chapters in the result of untiring efforts of 35 most renowned experts from national and international scientific community. This book is thought provoking to the researchers working in the fields of chemistry, biochemistry, biotechnology, medicine, polymer chemistry, semiconductor physics, material science, electrochemistry, biology, electronics, photonics, material science, solid state physics, nanotechnology, electrical and electronics engineering, optical engineering, device engineering, data storage etc.,

Salient Features
- Thoroughly covers the topics on specialty polymers and their applications in the most sophisticated and specialized areas.
- Provides in-depth knowledge in the areas of chemistry, physics, materials science, and technology and device applications of specialty polymers.
- Contributed by 36 eminent scientists and researchers from many parts of the globe.

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About the Author

Faiz Mohammad: Dr. Faiz Mohammad, Department of Applied Chemistry, Faculty of Engineering and Technology, Aligarh Muslim University