



 Get Print Book

# Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications

*By Tawfik Abdo Saleh, Vinod Kumar Gupta*



Download



Read Online

**Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications** By Tawfik Abdo Saleh, Vinod Kumar Gupta

Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications presents a unique collection of up-to-date polymeric nanomaterial membranes. The book offers a perfect source to document state-of-the-art developments and innovations in nanocomposite membranes, ranging from materials development and characterization of properties to membrane applications.

The book discusses applications that encompass the enhancement of sorption and degradation processes and their usage for the removal of different pollutants, including heavy metals, dyes, pesticides, and other organic and inorganic pollutants from the industry.

- Presents a powerful single source for the development of new, rapid, and highly efficient membrane composites
- Offers a perfect source to document state-of-the-art developments and innovations in nanocomposite membranes, ranging from materials development and characterization of properties to membrane applications
- Covers applications in membrane science, water treatment, and the removal of pollutants from waste water
- Provides theoretical and practical information about the synthesis and application of polymeric nanocomposite membranes
- Includes instructor support material available at [textbooks.elsevier.com](http://textbooks.elsevier.com)



[Download Nanomaterial and Polymer Membranes: Synthesis, Cha ...pdf](#)



[Read Online Nanomaterial and Polymer Membranes: Synthesis, C ...pdf](#)

# Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications

*By Tawfik Abdo Saleh, Vinod Kumar Gupta*

**Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications** By Tawfik Abdo Saleh, Vinod Kumar Gupta

Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications presents a unique collection of up-to-date polymeric nanomaterial membranes. The book offers a perfect source to document state-of-the-art developments and innovations in nanocomposite membranes, ranging from materials development and characterization of properties to membrane applications.

The book discusses applications that encompass the enhancement of sorption and degradation processes and their usage for the removal of different pollutants, including heavy metals, dyes, pesticides, and other organic and inorganic pollutants from the industry.

- Presents a powerful single source for the development of new, rapid, and highly efficient membrane composites
- Offers a perfect source to document state-of-the-art developments and innovations in nanocomposite membranes, ranging from materials development and characterization of properties to membrane applications
- Covers applications in membrane science, water treatment, and the removal of pollutants from waste water
- Provides theoretical and practical information about the synthesis and application of polymeric nanocomposite membranes
- Includes instructor support material available at [textbooks.elsevier.com](http://textbooks.elsevier.com)

**Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications** By Tawfik Abdo Saleh, Vinod Kumar Gupta **Bibliography**

- Sales Rank: #9994953 in Books
- Published on: 2016-03-11
- Released on: 2016-02-26
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .64" w x 7.50" l, 1.41 pounds
- Binding: Paperback
- 284 pages

 [Download Nanomaterial and Polymer Membranes: Synthesis, Cha ...pdf](#)

 [Read Online Nanomaterial and Polymer Membranes: Synthesis, C ...pdf](#)



## **Editorial Review**

### **About the Author**

Dr. Tawfik Abdo Saleh is a faculty member in the Chemistry Department at King Fahd University of Petroleum and Minerals. He has published several papers in international refereed journals and conference proceedings, has authored and edited several books and book chapters, and he is a member of several local and international scientific societies. He has supervised many graduate students. His expertise includes, but is not limited to, the synthesis, design, and preparation of materials, nanomaterials, nanocomposites, and hybrid materials and their applications. His expertise also includes materials characterization using various techniques.

Dr. Vinod Kumar Gupta is Professor of Chemistry at Indian Institute of Technology Roorkee, Roorkee, India, and is currently working as SARCHI Chair Professor in the Applied Chemistry Department at the University of Johannesburg, Johannesburg, South Africa. He has published more than 500 papers with 37,000 citations and an h-index of 127. He is editor of many journals and is on the editorial board of more than 20 international journals. He has more than 30 years of research experience in environmental engineering, electro-analytical chemistry, chemical sensors, and waste management.

## **Users Review**

### **From reader reviews:**

#### **Ray Ortiz:**

Have you spare time to get a day? What do you do when you have far more or little spare time? Sure, you can choose the suitable activity intended for spend your time. Any person spent their own spare time to take a walk, shopping, or went to the Mall. How about open or read a book allowed Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications? Maybe it is to become best activity for you. You already know beside you can spend your time using your favorite's book, you can better than before. Do you agree with the opinion or you have other opinion?

#### **Anthony Tipton:**

Spent a free time and energy to be fun activity to try and do! A lot of people spent their free time with their family, or their own friends. Usually they carrying out activity like watching television, planning to beach, or picnic within the park. They actually doing ditto every week. Do you feel it? Will you something different to fill your free time/ holiday? May be reading a book may be option to fill your free time/ holiday. The first thing you ask may be what kinds of guide that you should read. If you want to try look for book, may be the e-book untitled Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications can be great book to read. May be it could be best activity to you.

**Lillian Robbins:**

This Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications is brand new way for you who has intense curiosity to look for some information mainly because it relief your hunger details. Getting deeper you into it getting knowledge more you know or perhaps you who still having little bit of digest in reading this Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications can be the light food for you personally because the information inside this book is easy to get by simply anyone. These books create itself in the form which can be reachable by anyone, yep I mean in the e-book web form. People who think that in guide form make them feel sleepy even dizzy this reserve is the answer. So there is absolutely no in reading a reserve especially this one. You can find actually looking for. It should be here for a person. So , don't miss the idea! Just read this e-book type for your better life and also knowledge.

**Tammy Carver:**

That guide can make you to feel relax. This book Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications was vibrant and of course has pictures around. As we know that book Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications has many kinds or style. Start from kids until adolescents. For example Naruto or Detective Conan you can read and believe you are the character on there. Therefore not at all of book are usually make you bored, any it can make you feel happy, fun and relax. Try to choose the best book for you and try to like reading this.

**Download and Read Online Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications By Tawfik Abdo Saleh, Vinod Kumar Gupta #BQUGHT1FWCL**

## **Read Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications By Tawfik Abdo Saleh, Vinod Kumar Gupta for online ebook**

Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications By Tawfik Abdo Saleh, Vinod Kumar Gupta Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications By Tawfik Abdo Saleh, Vinod Kumar Gupta books to read online.

### **Online Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications By Tawfik Abdo Saleh, Vinod Kumar Gupta ebook PDF download**

**Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications By Tawfik Abdo Saleh, Vinod Kumar Gupta Doc**

**Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications By Tawfik Abdo Saleh, Vinod Kumar Gupta Mobipocket**

**Nanomaterial and Polymer Membranes: Synthesis, Characterization, and Applications By Tawfik Abdo Saleh, Vinod Kumar Gupta EPub**