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Multidisciplinary Approach and Applications of Material Science



# MULTIDISCIPLINARY APPROACH AND APPLICATIONS OF MATERIAL SCIENCE

First Edition

**Editors**

Ratindra Gautam  
Laxmi Kumari  
Shivani Chaudhary  
Yashveer Gautam

Thanuj International Publishers, Tamil Nadu, India

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## Preface

**Multidisciplinary Approach and Applications of Material Science** is oriented towards interdisciplinary studies of the latest research trends in material science along with its wide area of application. This book explores several dimensions in area of material science like **Acoustical and Thermodynamical Properties including Thermodynamic Bonding and Molecular interaction of Binary Liquid Mixtures**. It also inarticulate the emerging fields of material science and their application in different areas which includes the **Biological Synthesis of Eg-AgCl, Bioprocessed Green Silver Nanoparticle and Biopolymer-Supported Metal Catalysts**. It also focuses on the **Indoles and Polyethyleneglycol 200 Solutions** along with **Synthesis and properties of Graphene Oxide and Fullerenes**.

The editors are thankful to Thanuj Publisher who readily accepts and publish this subject. We sincerely thank and express our gratitude to the authors for their articles, namely Aakash Singh, Abha Bishnoi, Abhishek Mishra, Ajaz Hussain, Anil Kumar Singh, Anil Kumar Gautam, Anita Rai, Ankita Srivastava, Anod Kumar Singh, Anoop Kumar Gupta, Anoop Kumar Srivastava, Devendra Pratap Rao, Gajanan Pandey, Hina Kausar, Huda Khanam, Jyoti Pandey, Laxmi Kumari, Maimoona Yasmin, Manisha Gupta, Monal Singh, Neha Kesharwani, Neeraj Verma, P. K. Singh, Priyanka Srivastava, Rahul Singh, Ravi Pratap Singh Chauhan, Rishabh Dev Singh, Rishabh Gupta, Rohit Kumar Maurya, Ruchi Singh, Sachin Gupta, Sangeeta Sagar, Shobhit Kesarwani, Shushant Shukla, Snigdha, Swati Agarwal, Ved Kumar, Vikas Chaubey, Vinod Kumar, Vinay Kumar, Vishal Singh and Yashveer Gautam.

**Note: Authors of the book chapters are solely responsible for the idea and context of the book.**

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# Multidisciplinary Approach and Applications of Material Science

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## Contents

S. No	Articles	Page No
1	<b>Acoustical and Thermodynamical Properties of Binary Liquid Mixtures through Excess Parameters: An Experimental and Theoretical Study</b>  Rishabh Dev Singh, Rahul Singh, Maimoona Yasmin, Abhishek Mishra, Laxmi Kumari, Manisha Gupta.	1-13
2	<b>Analysis of PEG 200 Solutions through Excess Parameters and Estimation of Velocity</b>  Maimoona Yasmin, Abhishek Mishra, Rahul Singh, Rishabh Dev Singh, Ved Kumar, Manisha Gupta	14-22
3	<b>Biological Synthesis of Eg-Agcl/Agnanoparticles and Anti-Bacterial Activity</b>  Anil Kumar Gautam, Snigdha, Vinay Kumar, Gajanan Pandey	23-29
4	<b>Bioprocessed Green Silver Nanoparticle; Efficient and Diversified Scaffolds</b>  Aakash Singh, Vikas Chaubey, Anod Kumar Singh, P. K. Singh	30-62
5	<b>Indoles: A Potential Drug Development Scaffold</b>  Yashveer Gautam, Neeraj Verma, Monal Singh, Anita Rai, Hina Kausar, Anil Kumar Singh, Rohit Kumar Maurya, Anoop Kumar Gupta, Devendra Pratap Rao, Ravi Pratap Singh Chauhan, Vinod Kumar	63-84
6	<b>Physical Properties of Fullerenes</b>  Priyanka Srivastava, Anoop Kumar Srivastava	85-93
7	<b>Probing Thermodynamic Bonding in the Binary Mixtures of Poly (propylene glycol) Diacrylate 800 with 2-Methoxyethanol and 2-</b>	94-101

	<p><b>Dimethylethanolamine</b></p> <p>Sangeeta Sagar, Laxmi Kumari, Sachin Gupta, Ajaz Hussain, Ankita Srivastava, Rishabh Gupta, Rishabh Dev Singh, Manisha Gupta</p>	
<b>8</b>	<p><b>The Role of Biopolymer-Supported Metal Catalysts in Green Chemistry</b></p> <p>Huda Khanam, Ruchi Singh, Jyoti Pandey, Abha Bishnoi</p>	<b>102-109</b>
<b>9</b>	<p><b>Study of Molecular interaction in Binary Mixture of Polyethyleneglycol (peg) 400 with 2-Ethoxyethanol and 2-Methoxyethanol</b></p> <p>Abhishek Mishra, Laxmi Kumari, Ajaz Hussain, Sachin Gupta, Vishal Singh, Swati Agarwal, Shushant Shukla, Rishabh Dev Singh, Manisha Gupta</p>	<b>110-135</b>
<b>10</b>	<p><b>Synthesis and characterization of graphene oxide</b></p> <p>Neha Kesharwani, Shobhit Kesarwani, Laxmi Kumari</p>	<b>136-148</b>