

CONTENTS

P. Kudryavtsev, D. Beilin Carbon Nanotubes (CNT): Preparation, Properties, Polymer and Cementitious Composites with Using CNT. Review	... 3
P. Kudryavtsev, D. Beilin Silicon Dioxide Nanoparticles: Preparation, Properties, Application Review, Part I	... 55
M. Ioelovich Preparation, Characterization, And Application of Amorphized Cellulose Review	... 120
M. Ioelovich Relationships Between Cohesive Energy, Glass Transition Temperature, and Melting Point for Various Polymers	... 139
I.K. Akhmedova Study on an Advanced Nanostructured Wax Inhibitor in Crude Oil Production	... 147
P. Kudryavtsev, N. Kudryavtsev The Effectiveness of Activated Powder Alumina- And Iron-Containing Coagulants-Flocculants of ASFC and ISFC Brands for Purification of Natural Waters and Wastewater	... 152
M .V. Zilberman , M.V. Cherepanov A Dynamic Model of the Interaction of Biomass and Phytocenoses Resources in a Cyclic Change in External Influences and the Possibilities of its Use	... 162
DISCUSSION CLUB	
M. Sidorov Theoretical Research and Modeling of the Operating Mechanism of Protein Electric Generators of ETC Cells	... 173
V.A. Etkin On Energy Consumption in the Synthesis Processes	... 184
V.A. Etkin The Way to New Physics	... 193
S. Konstantinov Overcoming the Warp Barrier Based on Gravitational Waves in the Framework of New Physics	... 205
LETTERS	
V. Polyakov The Energy of the Object and the Real System	... 217

NEWS & EVENTS

Nobel Prize 2021	... 227
Dr. A. Sharnopolsky: 90 years anniversary	...231
In memory Prof. M .V. Zilberman	... 233
• CoMSW 2022: 2022 International Conference on Material Science and Engineering	... 235
• International Conference on Material Science and Engineering , 2022	... 235
• ICMRN-2022 5 th International Conference on Material Research and Nanotechnology	... 236
• 3 rd International Congress on Materials & Structural Stability	... 237
Index Copernicus Value (ICV) for 2020	...239