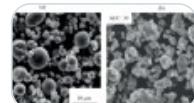




22 articles in this issue

**Assessment of the Surface Free Energy of Aluminum Powders**



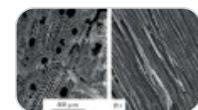
PHYSICOCHEMICAL PROCESSES AT THE INTERFACES | 15 January 2026 | Pages: 989 - 994

**Thermodynamics of Sorption of Cu(II) from Aqueous Solutions by Modified Chitosan**



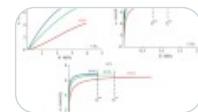
PHYSICOCHEMICAL PROCESSES AT THE INTERFACES | 15 January 2026 | Pages: 995 - 1002

**Patterns of Sorption of Cationic Pollutants by Biopolymers of Modified Flax Shives**



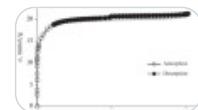
PHYSICOCHEMICAL PROCESSES AT THE INTERFACES | 15 January 2026 | Pages: 1003 - 1016

**Adsorption Separation of CH<sub>4</sub>/C<sub>3</sub>H<sub>8</sub> and CH<sub>4</sub>/n-C<sub>4</sub>H<sub>10</sub> Binary Gas Mixtures Using the Highly Active Microporous Adsorbent KAUSORB-VA**



PHYSICOCHEMICAL PROCESSES AT THE INTERFACES | 15 January 2026 | Pages: 1017 - 1025

**Methane Adsorption onto Microporous Carbon Adsorbent Prepared from Nut Shell Raw Materials**



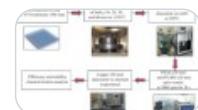
PHYSICOCHEMICAL PROCESSES AT THE INTERFACES | 15 January 2026 | Pages: 1026 - 1033

**Temperature Dependence of the Phosphorescence Spectra of a Vanadyl Protoporphyrin Complex**



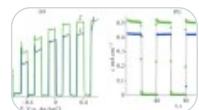
NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 15 January 2026 | Pages: 1034 - 1039

**Featuring of Tin Oxide Electron Transport Layer with Perovskite Solar Cell: Electrical and Optical Performance Study**



NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 15 January 2026 | Pages: 1040 - 1050

**Photoelectrocatalytic Oxidation of Urea on a Photoanode Made of Titanium Dioxide Nanotubes**



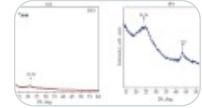
NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 15 January 2026 | Pages: 1051 - 1058

**Green Synthesis of ZnO Nanoparticles using Lemon Leaf Extract for Dual Applications: Electrochemical Glucose Sensing and Supercapacitors**



NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 15 January 2026 | Pages: 1059 - 1071

**Synthesis and Characterization of GO and rGO and their Application in Drilling Fluid as Fluid Loss Controllers**



NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 15 January 2026 | Pages: 1072 - 1083

**Preparation of High Fluoride-Free Superhydrophobic Polyester Fabric and Its Self-Cleaning Property**



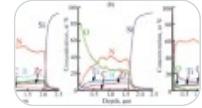
NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 15 January 2026 | Pages: 1084 - 1094

**Recent Progress in Plasmonic Nanoparticles—Synthesis, Characterization, and Applications. A Review**



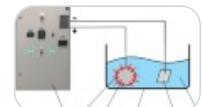
NANOSCALE AND NANOSTRUCTURED MATERIALS AND COATINGS | 15 January 2026 | Pages: 1095 - 1117

**Structure and Properties of Zr-Ti-B-C-N Coatings Obtained by Pulsed Magnetron Sputtering**



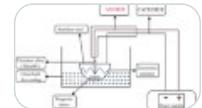
NEW SUBSTANCES, MATERIALS, AND COATINGS | 15 January 2026 | Pages: 1118 - 1125

**The Influence of Aluminum-Alloy Composition on the Structure, Composition, and Thermophysical Properties of Coatings Formed by Microarc Oxidation**



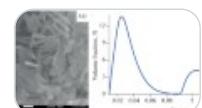
NEW SUBSTANCES, MATERIALS, AND COATINGS | 15 January 2026 | Pages: 1126 - 1132

**Deposition of Adherent and Biocompatible Zirconia Layer on Ti6Al4V Alloy Using Plasma Electrolytic Oxidation to Enhance Biological Performance**

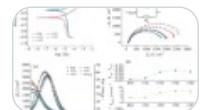


NEW SUBSTANCES, MATERIALS, AND COATINGS | 15 January 2026 | Pages: 1133 - 1141

**An Anticorrosion Coating Based on Acrylic Varnish and Zinc Oxide Nanoparticles Obtained by Nanospray Drying**

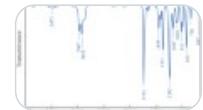


**Influence of Ti Element on Corrosion Resistance of Cr Micro-Alloyed Steel in Harsh Marine Environment**



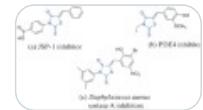
PHYSICOCHEMICAL PROBLEMS OF MATERIALS PROTECTION | 15 January 2026 | Pages: 1151 - 1171

**Lavender Essential Oil and the Amphoteric Surfactant Cocamidopropyl Betaine as Synergistic Inhibitors of Carbon Steel Corrosion: Experimental and DFT Studies**



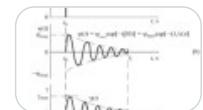
PHYSICOCHEMICAL PROBLEMS OF MATERIALS PROTECTION | 15 January 2026 | Pages: 1172 - 1200

**Green Synthesis of Rhodanine-Derived Inhibitors for Carbon Steel Corrosion Protection: DFT, Thermodynamic, and Surface Analysis**



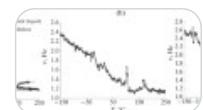
PHYSICOCHEMICAL PROBLEMS OF MATERIALS PROTECTION | 15 January 2026 | Pages: 1201 - 1212

**Physical and Mechanical Properties of a Photopolymer System before and after UV Curing. 1. Experimental Studies**



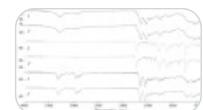
INVESTIGATION METHODS FOR PHYSICOCHEMICAL SYSTEMS | 15 January 2026 | Pages: 1213 - 1222

**Physical and Mechanical Properties of a Photopolymer System before and after UV Curing. 2. A Theoretical Analysis**



INVESTIGATION METHODS FOR PHYSICOCHEMICAL SYSTEMS | 15 January 2026 | Pages: 1223 - 1230

**Accelerated Testing of the Stability of the Properties of Surgical Suture Materials Based on Biodegradable and Nonbiodegradable Polymers**



INVESTIGATION METHODS FOR PHYSICOCHEMICAL SYSTEMS | 15 January 2026 | Pages: 1231 - 1238