

## Contents

Soil-Ecological Assessment of Recultivation at the Spoils of Coal Deposits V. A. ANDROKHANOV, A. E. BOGUSLAVSKY, D. A. SOKOLOV, YU. O. FILONOVA, A. A. UZHOGOVA . . . . .	1
Atmospheric Mercury Emission from the Surface of the Ursk Dump (the Kemerovo Region) S. B. BORTNIKOVA, A. YU. DEVYATOVA, N. V. YURKEVICH, A. V. EDELEV . . . . .	13
Coking Mechanism and the Distribution of Agglomeration Products in High-Silica MFI-Type Zeolites G. V. ECHEVSKY, O. G. ECHEVSKAYA. . . . .	20
Thermal-Oxidative Treatment to Control the Texture Characteristics of Carbon Black O. A. KOKHANOVSKAYA, O. N. BAKLANOVA, O. A. KNYAZHEVA, A. V. LAVRENOV, V. A. DROZDOV, N. N. LEONT'YEVA, M. V. TRENIKHIN, A. V. SYRIEVA. . . . .	32
Use of Cellulose Nanocrystals as Oil-Water Emulsion Stabilizer to Remove Crude Oil Pollution F. V. LEGKIY, YU. I. DRUZ, E. V. UDORATINA . . . . .	40
Thermal Analysis and Pyrolysis of Pine Needles ( <i>Pinus sylvestris</i> Ledeb.) S. R. LOSKUTOV, L. K. KAZARYAN, E. A. PETRUNINA, A. A. ANISKINA . . . . .	48
Optimization of the Reaction Conditions of Steam/Carbon Dioxide and Autothermal Reforming of Methane E. S. MIKHAYLOVA, A. V. SALNIKOV, S. R. KHAIRULIN . . . . .	59
Relationship between Biomarker Parameters and the Nature of Brown Coal Accumulation L. P. NOSKOVA . . . . .	64
Optimization of Conditions for Ammonium Metavanadate and Polyvanadate Precipitation from Alunite Processing Solutions A. KH. OSMANOVA . . . . .	71
Investigation of the Influence of Technological Additives on the Properties of Thermo-Aggressive Resistant Rubber I. S. SPIRIDONOV, N. F. USHMARIN, E. N. EGOROV, S. I. SANDALOV, N. I. KOL'TSOV . . . . .	79
Oxidation of Sewage Sludge in the Flow of Water-Oxygen Fluid under Uniform Heating O. N. FEDYAEVA, A. A. VOSTRIKOV, D. O. ARTAMONOV, A. V. SHISHKIN, M. YA. SOKOL . . . . .	85
Geochemistry of Oils and Condensates from the Bovanenkovo and East-Bovanenkovo Fields A. I. BURUKHINA . . . . .	96
Magnetic Field Effect on the Structural and Rheological Characteristics of Resinous Oils and Their Emulsions E. V. KUKHAREVA, YU. V. LOSKUTOVA, N. V. YUDINA . . . . .	108
Chemical Elements in Drinkable Water from Central Supply and Spring Sources in Different Areas of the Magadan Region E. M. STEPANOVA, E. A. LUGOVAYA . . . . .	115