

CONTENTS

<i>Tungatarova S.A., Xanthopoulou G., Kaumenova G.N., Zhumabek M., Baizhumanova T.S., Grigorieva V.P., Komashko L.V., Begimova G.U.</i> Development of composite materials by combustion synthesis method for catalytic reforming of methane to synthesis gas.....	6
<i>Dueck Johann, Tatayeva R., Baymanova A., Bakeshova Zh., Kapsalyamov B.</i> Biological treatment of waste water: theoretical background and experimental research.....	16
<i>Orymbetova G.E., Conficoni D., Kassymova M.K., Kobzhasarova Z.I., Orymbetov E.M., Shambulova G.D.</i> Risk assessment of lead in milk and dairy products	23
<i>Talgatov. E.T., Auyezkhanova A.S., Tumabayev N.Z., Akhmetova S.N., Seitkaliyeva K.S., Begmat Y.A., Zharmagambetova A.K.</i> Polymer-palladium catalysts on magnetic support for hydrogenation of phenylacetylene.....	29
<i>Ermagambet B.T., Remnev G.E., Martemyanov S.M., Bukharkin A.A., Kasenova Zh.M., Nurgaliyev N.U.</i> Dielectric properties of the coals of Maykuben and Ekibastuz basins.....	38
<i>Beisenbayev A.R., Zhabayeva A.N., Suntsova L.P., Dushkin A.V., Adekenov S.M.</i> Synthesis and study of pinostrobin oxime supramolecular complexes.....	46
<i>Jadhav A. S., Mohanraj G. T., Mayadevi S., Gokarn A. N.</i> Rapid method for determination of nano surface area of arecanut shell derived activated carbon by iodine adsorption number.....	53
<i>Nurkenov O.A., Fazylov S.D., Issayeva A.Zh., Seilkhanov T.M., Zhivotova T.S., Shulgau Z.T., Kozhina Zh.M.</i> Complexes of inclusion of functionally-substituted hydrasons of isonicotic acid with cyclodextrines and their antiradical activity.....	57
<i>Yermagambet B.T., Nurgaliyev N.U., Abylgazina L.D., Maslov N.A., Kasenova Zh.M., Kasenov B.K.</i> Methods for extraction of valuable components from ash-and-slag coal wastes.....	67
<i>Shomanova Zh.K., Safarov R.Z., Zhumakanova A.S., Nosenko Yu.G., Zhanibekova A.T., Shapekova N.L., Lorant D.</i> Electron microscopy surface study of catalysts based on ferroalloy production waste.....	79
<i>Bayeshov A., Gaipov T.E., Bayeshova A.K., Kolesnikov A.V.</i> Synthesis of nano- and ultradisperse copper powders by cementation of copper (II) ions by three-valent titanium ions.....	87
<i>Bayeshov A.B., Myrzabekov B.E., Kolesnikov A.V.</i> Patterns of formation of dispersed copper powders in the body of electrolyte during the use of copper anode in sulfuric acid solution along with titanium (IV) ions.....	96
<i>Chyrkun D.I., Leudanski A.E., Golubev V.G., Sarsenbekuly D., Kumisbekov S.A.</i> Analysis of industrial drum mills' operation and ways of their improvement.....	102
<i>Brodskiy A.R., Grigor'eva V.P., Komashko L.V., Nurmakanov Y.Y., Chanysheva I.S., Shapovalov A.A., Shlygina I.A., Yaskevich V.I.</i> Interaction of the Fe/ γ -Al ₂ O ₃ catalytic system with probe molecules I. Research of the γ -Al ₂ O ₃ and the Fe/ γ -Al ₂ O ₃ initial system	109
<i>Brodskiy A.R., Grigor'eva V.P., Komashko L.V., Nurmakanov Y.Y., Chanysheva I.S., Shapovalov A.A., Shlygina I.A., Yaskevich V.I.</i> Interaction of the catalytic Fe/ γ -Al ₂ O ₃ system with probe molecules II. Study OF γ -Al ₂ O ₃ support and Fe/ γ -Al ₂ O ₃ system after interaction with hydrogen and ammonia.....	120
<i>Dospaev M.M., Bayeshov A., Zhumakanova A.S., Dospaev D.M., Syzdykova B.B., Kakenov K.S., Esenbaeva G.A.</i> Mechanism of forming nanodisperse copper silicate powder during anodic polzrization of copper electrode in potassium silicate solution.	130
<i>Nadirov K.S., Cherkaev G.V., Chikhonadskikh E.A., Makkaveeva N.A., Sadyrbaeva A.S., Orymbetova G.E.</i> Analysis of influence of emissions of harmful substances with exhaust gases of marine dual fuel internal combustion engine on the environment and human health.....	138
<i>Khusain B.Kh., Vinnikova K.K., Sass A.S., Rakhmetova K.S., Kenzin N.R.</i> Aerodynamic modeling of emissions passage in the neutralization process.....	150
<i>Utegenova L.A., Nurlybekova A.K., Hajiakber Aisa, Jenis J.</i> Liposoluble constituents of <i>Fritillaria pallidiflora</i>	156