

CONTENTS

<i>Suiekpayev Yertlek, Sapargaliyev Yerzhan, Dolgopolova Alla, Seltmann Reimar, Raspopov Alexander, Bekenova Galiya.</i> Predictive estimate of Ti-Zr placer deposits in mesozoic and cenozoic sediments at NW margins of the Zaysan basin, East Kazakhstan.....	6
<i>Mukhamedzhanov M.A., Sagin Jay, Kazanbaeva L. M., Nurgazieva A.A.</i> Challenging issues of fresh water within the territory of East Kazakhstan and adjacent areas of Central Kazakhstan.....	15
<i>Stepanets V.G., Levin V.L., Bekenova G.K., Li E.S., Zhukov N.M., Khakimzhanov M.</i> Minerals of noble and rare elements in Karaturgay and Mayke ore types of Mayatas ore region (North Ulytau, Kazakhstan).....	21
<i>Mustafaeв Zh.S., Kozykeeva A.T., Zhanymkhan K., Aldiyarova A.E., Mosiej Józef.</i> The methods of assessment of maximum allowable impacts ecologically on small rivers.....	30
<i>Melnikov A.E., Grib N.N., Ze Zhang.</i> Localization of thermokarst processes in the swathe of a gas trunkline using geophysical methods.....	39
<i>Ismaylov M.J., Zeynalova S.M., Ismaylova L.A.</i> Dynamics of the relic forest landscape in Azerbaijan and ways to solve environmental problems.....	48
<i>Ozgeldinova Zh.O., Dzhanaleeva K.M., Mukaev Zh.T., Tenkebayeva Zh.F., Arykbayeva K.M., Korytny L.M., Ospan G.T.</i> Geomatic features of geosystems formation of the Sarysu river basin.....	55
<i>Sabraliev N., Abzhapbarova A., Nugymanova G., Taran I., Zhanbirov Zh.</i> Modern aspects of modeling of transport routes in Kazakhstan.....	62
<i>Khojibergenov D.T., Khozhibergenova U.D., Akhmedov A.B., Absadykov B.N.</i> Some aspects of the construction of a mathematical model for cutting metals.....	69
<i>Petukhov S.A., Kurmanova L.S., Erzamaev M.P.</i> Transport diesels oil system operation efficiency increase.....	79
<i>Mashekov S.A., Mashekova A.S., Urazbaeva R.E., Kiyambekova L.R., Tussupkaliyeva E.A., Smailova G.A., Nurahmetova K.K.</i> Special features of structure formation during rolling strips in the helical rolls and longitudinal wedge mill.....	86
<i>Kulagin V.V., Umbetaliyev D.B., Mirlas V.M., Zapparov M.R., Makyzhanova A.T., Rakhimova V.S., Zhigitova S.Z.</i> Groundwater hydro chemical regime and soil salinity under long-term operation on Tasotkel irrigated and drained lands of Zhambyl region.....	102
<i>Mukayev Zh.T., Ozgeldinova Zh.O., Sibirkina A.R., Asylbekov K.M., Alagudzhaeva M.A., Ospan G.T.</i> Content of manganese in soils of the Alakol hollow.....	114
<i>Bondarenko I.V., Kutnyashenko O.I., Rudyk Y.I., Solyomyj S.V.</i> Modeling the efficiency of waste management.....	120
<i>Daraev A. M., Ibekeev S. E., Insepov D.G., Kutybaeva A.E., Baikenova G.M.</i> Development of a variable-structure control system for servo drive of solar photovoltaic plant.....	131
<i>Djumabaev M.D., Abdullaev H.T., Akishev U.K.</i> Composite cement-ash-slurry cohesive composition with increased adhesive property to solidorganic fillers of arbolite-concrete.....	138
<i>Yermagambet B.T., Nurgaliyev N.U., Kazankapova M.K., Kasenova Zh.M., Abylgazina L.D.</i> Smokeless fuel production – semi-coke from coal.....	144
<i>Portnov V.S., Kopobayeva A.N., Amangeldikyzy A., Askarova N.S.</i> The distribution of beryllium in magmatic rocks of Central Kazakhstan.....	150
<i>Solonenko V.G., Makhmetova N.M., Musayev J.S., Bekzhanova S.E., Kvashmin M.Ya.</i> Stresses in elements of metal railway bridges under the action of the crew.....	159
<i>Teugabulov S.M., Kurmanseytov M.B., Sultamurat G.I.</i> Transformation of the iron in the steel of thermochemical processing of the surface of the blue cylin.....	166
<i>Panasyyuk A.L., Kuzmina E.I., Egorova O.S., Semipyatny V.K., Nurmukhanbetova D.E.</i> Ensuring the stability of white grape wines taste characteristics with use of products based on polyvinylpyrrolidone.....	174
<i>Sassykova L.R., Sendilvelan S., Bhaskar K., Zhumakanova A.S., Aubakirov Y.A., Abildin T.S., Kubekova Sh.N., Mataeva Z.T., Zhakupova A.A.</i> Norms of emissions of harmful substances generated from vehicles in the different countries of the world.....	181
<i>Assembayeva E.K., Galstyan A.G., Nurmukhanbetova D.E., Bazilbayev S.M., Strizhko M.N., Seidakhmetova Z.Zh.</i> Principles of development of osmotically and biologically active compositions for technologies of fermented milk drinks.....	191
<i>Kalimoldayev M., Tynymbayev S., Gnatyuk S., Ibraimov M., Magzom M.</i> The device for multiplying polynomials modulo an irreducible polynomial.....	199
<i>Turabdzhanov S.M., Kedelbaev B.Sh., Kushnazarov P.I., Badritdinova F.M., Ponamaryova T.V., Rakhimova L.S.</i> New approach to the synthesis of polycondensation ion-exchange polymers for wastewater treatment.....	206
<i>Kalimoldayev M.N., Suleimenov E.I., Pak I.T., Vitulyova E.S., Tasbulatova Z.S., Yevstifeyev V.N., Mun G.A.</i> To the question of physical implementation of optical neural networks.....	217
<i>Zholtaev G.Zh., Seitmuratova E.Yu., Zhukov N.M.</i> Academician Kanysh Satpaev and the mineral resource base of Kazakhstan.....	225
<i>Breido I.V., Intykov T.S., Daniyarov N.A., Kelisbekov A.K., Semykina I.Yu.</i> Mathematical model of apron conveyor controlled electric drive in operation starting modes.....	232
<i>Tynymbayev S., Gnatyuk S.A., Aitkhozhayeva Y.Zh., Berdibayev R.Sh., Namazbayev T.A.</i> Modular reduction based on the divider by blocking negative remainders.....	238