

CONTENTS

- 1 Gerasymchuk S. I., Poliuzhyn I. P., Melnyk H. V., Pavlovskiy Yu. P., Sergeyev V. V.**
Phase vapor–liquid equilibrium for the solutions of dimethylzinc and dimethyl selenide
- 7 Mertsalo I. P., Bondarenko A. B., Mazur A. S., Kuntiy O. I.**
Anode behavior of silver in the solution of rhamnolipid
- 12 Ridka O. R., Matiychuk V. S., Sobechko I. B., Sergeyev V. V., Tishchenko N. I.**
Thermodynamic properties of methyl ester of 6-methyl-2-oxo-4-aryl-1,2,3,4-tetrahydropyrimidin-5-carboxylate in ethylacetate and benzene and their mixture
- 18 Stasiuk A. V., Dron I. A., Khomyak S. V., Hevus O. I., Samaryk V. Y.**
Synthesis of some phosphorus-containing derivatives of polyethylene glycols
- 25 Zozulia H. I., Kuntiy O. I.**
Preparing of metallic electrocatalytic nanostructured surface by galvanic replacement method. Review
- 35 Chekanskyy B. B., Lutsyuk I. V.**
Non-autoclaved heat insulating aerated concrete based on composite binder
- 41 Semegen R. I.**
The use of tuvoargilitis for the production of porous glass ceramic granulated materials
- 48 Stadnik V. E., Sozanskyy M. A., Shapoval P. Yo., Guminilovych R. R., Yatchyshyn Yo. Yo.**
Quantum-chemical modeling of the chemistry process of the mercury sulfide and mercury selenide films synthesis
- 55 Zahrai A. I., Borovets Z. I., Novitskyi Ya. M., Chekaylo M. V., Yakymchko Ya. B.**
Influence of a dispersed lime on tightening cement stone
- 62 Zheplynskyi T. B.**
Features of change of thermophysical properties in the glass transition interval
- 68 Slyuzar A. V., Khomyak S. V., Kalymon Ya. A.**
The influence of exposure time on changing of the properties of the soda solution of quinhydrone during the quinhydrone catalyst preparation
- 73 Vakhula Y. I., Tupis I. M.**
Perspective directions of application of glass in medicine. Review
- 78 Laruk M. M., Hladii A. I., Tsyupko F. I., Poliuzhyn I. P., Il'nyts'kyi Z. M.**
Application of polycarboxylates as corrosion inhibitors and methods of their preparation. Review
- 85 Kichura D. B., Nykulyshun I. E., Dzinyak B. O.**
Modern view on technological chemical control products of vineyage
- 91 Ludyn A. M., Reutskyy V. V., Reutskyy V. V.**
Creating the basis of non-exhaustive technology of cyclohexan oxidation

- 97 **Prysiashnyi Y. V., Shved M. Ye., Astakhova O. T., Dmytrenko D. R.**
Use of coal coking by-products for the production of polymer modified bitumen
- 102 **Topilnytskyi P. I., Romanchuk V. V., Yarmola T. V.**
Investigation of oil properties from Ukraine precarpathian oil and gaz region
- 110 **Kubitska I. I., Nebesnyi R. V., Ivasiv V. V.**
The influence of the support nature on the efficiency of B-P-W-V-Ox catalyst of acrylic acid synthesis by aldol condensation of acetic acid with formaldehyde
- 115 **Stasevych M. V., Zvarych V. I., Novikov V. P.**
Computer-aided prediction in search of new antiplatelet agents with antioxidant effect among sulfur-containing derivatives of 9,10-anthraquinone
- 122 **Monka N. Ya., Baranovych D. B., Shyian G. B., Khomitska G. M., Lubenets V. I.**
Synthesis and properties of 4-amino-2-methyl-pyrimidine-5-yl-methyl esters of aromatic thiosulfoacids
- 129 **Stadnytska N. Ye., Bryda O. R., Hajevska A. A., Cherventsova V. H., V. I., Lubenets, Novikov V. P.**
Influence of garlic extract on test-culture of bacteria and fungi
- 135 **Shupeniuk V. I., Taras T. M., Sabadakh O. P., Bolibrukh L. D., Zhurakhivska L. R.**
Triazines on the basis of 4-imidazole substituted antraquinone as the potential inhibitors of proteins
- 142 **Dyachok V. V., Mandryk S. T., Huhlych S. I.**
Investigation of the impact of phosphorus oxide on the carbon dioxide uptake rate by chlorophyll-producing microalgae
- 148 **Duleba V. P., Gnativ Z. Ya.**
Testing of modified polyacrylamide for flocculation of carbonaceous wastes and comparison of its efficiency with foreign analogues
- 154 **Maikovych O. V., Nosova N. G., Bordenyuk O. Yu., Fihurka N. V., Varvarenko S. M.**
Investigation of sorption/desorption processes of medical substances by combined hydrogels
- 159 **Nahorniak M. I., Voronovska A. V., Yakoviv M. V., Maikovych O. V., Varvarenko S. M.**
Receipt features of polyacrylamide hydrogel dispersions filled with magnetite
- 166 **Krasinskyi V. V., Zemke V. M., Shapoval Y. M., Bratychak Mykh. Mykh., Chopyk N. V.**
Regularities of the technological raw material creation for extrusion of polyethylene pipes
- 171 **Grytsenko O. M., Suberlyak O. V., Pokhmurska A. V., Baran N. M., Berezhnyy B. V.**
Prediction of technological conditions of metals chemical precipitation through optimizing of reaction composition formula during polymerization
- 178 **Chobit M. P., Vasylyev V. P.**
Usage of waste vegetable oil for making polymer composites