

CONTENTS
2025 no. 2 (23)

EFFECT OF VICINAL TERT-BUTYL GROUPS ON THE CRYSTAL STRUCTURE OF THE UNSUBSTITUTED $\text{Cp}_2\text{Mo}_2(\text{CO})_6$ DIMER COMPLEX OF MOLYBDENUM <i>N.Z. Ibrahimova, D.B. Tagiyev, G.M. Jafarov, I.U. Lyatifov</i>	151
STUDY OF MODIFIED OXYETHYLATED NONYLPHENOL FORMALDEHYDE OLIGOMERS AS ANTIOXIDANTS AND DEPRESSOR ADDITIVES TO DIESEL FUELS <i>N.R. Abdullayeva, S.M. Hajizadeh, S.G. Aliyeva, Ch.K. Rasulov, N.M. Aliyeva E.M. Guliyeva, M.N. Bayramova</i>	159
NEW GLYCOGEN DERIVATIVES AS AN ADVANTAGEOUS POLYMERS CARRIER IN BACTERIA THERANOSTICS <i>F.J. Fadel, M.M. Kareem, F.H. Mohammed</i>	166
INFLUENCE OF PROMOTERS ON THE SYNTHESIS OF HIGH-ALKALINE ALKYLPHENOLATE ADDITIVE <i>E.A. Naghiyeva, R.Z. Gasimov, V.M. Farzaliyev, A.A. Gadirov, M.G. Abbasov</i>	178
ZEOLITE FORMATION USING STRUCTURAL DIRECTING AGENT TO ENHANCE HEAVY NAPHTHA VIA REFORMING PROCESSES <i>Raghd Y. Ghazal, Ahmed G. S Al-Azzawi, Mohammed H. Ali</i>	187
STUDYING OF METAL CONTAINING ACRYLIC COPOLYMERS AND SULFUR MODIFIED BITUMEN BH 90/30 <i>Kh.N. Eshankulov, Kh.Kh. Turaev, Y.A. Geldiev, A.K. Nomozov, S.S. Eshankulov, Ch.A. Musaev, S.G. Yuldasheva</i>	202
MEMBRANE-PROTECTIVE PROPERTIES OF PALLADIUM (II) COMPLEXES CONTAINING ANTIOXIDANT FRAGMENT AS POTENTIAL RADIOPROTECTIVE AGENTS <i>Kh.I. Hasanov, A.N. Azizova, N.M. Kulieva, G.I. Adjalova, M.Yu. Yusifova, Sh.G. Kasumov</i>	214
STUDY OF THE POTENTIAL USE OF WASTE GENERATED AT THE WASTEWATER TREATMENT PLANT IN THE AGRICULTURAL SECTOR <i>Nino Takaishvili, Natela Dzebisashvili, Tamar Davitaia, Giorgi Berechikidze, Natia Tchanturia</i>	221
INVESTIGATION OF THE OIL-EMULSIFYING AND OIL-DISPERSING PROPERTIES OF QUATERNARY AMMONIUM SALTS FORMED FROM TRIETHANOLAMINE WITH HEXADECANOIC AND HEPTADECANOIC ACIDS, AND THEIR APPLICATION AS ANALYTICAL REAGENTS <i>Ali Z. Zalov, Asya F. Shahverdiyeva, Nazani A. Novruzova, Shahla A. Ibrahimova</i>	228
CHLORINATION OF N-BENZOYL VALINE BY SODIUM N-CHLORO-PARA-TOLUENE SULFONYL AMIDE (CAT) HYDROCHLORIC ACIDIC: A KINETIC AND MECHANISM STUDY <i>Alaa M.A. Hasb, Noor H.M. Saeed</i>	239
SYNTHESIS OF 3-PIPERIDINE-2-HYDROXYPROPYLISOBUTYL ETHER AND STUDY OF ITS ANTI-RUST PROPERTIES <i>V.M. Farzaliyev, R.M. Babai, R.F. Mammadova, G.M. Guliyeva, G.Sh. Eyvazova</i>	249
OXIDATIVE COUPLING REACTION FOR THE SPECTROPHOTOMETRIC DETERMINATION OF FUROSEMIDE USING CHLORPROMAZINE HYDROCHLORIDE AS A REAGENT <i>Mohammed S. Al-Enizzi, Omar A. Sheej Ahmad, Mohamed Y. Dhamra</i>	256
INFLUENCE OF GAMMA, ELECTRON, PROTON AND GAMMA NEUTRON IRRADIATION ON PHOTODIODES BASED ON InSe WITH IMPROVED PARAMETERS <i>Valida Ibrahim Hacıyeva, Shirzad Zulfugar Babayev</i>	266
PREPARATION, IDENTIFICATION AND STUDY THE BIOLOGICAL ACTIVITY OF NOVEL HETEROCYCLIC COMPOUNDS DERIVED FROM AZO-CHALCONE <i>Ruwa M. Mauf, Neam H. Saleem</i>	272
NEW FENOFIBRATE DERIVATIVES AS ANTICANCER AND ANTIOXIDANT AGENTS: SYNTHESIS, IN SILICO STUDY AND BIOLOGICAL EVALUATION <i>Rusul Naeim Mankhi, Nabeel A. Abdul-Rida</i>	286