

CONTENTS

2026 no. 2 (24)

"GREEN HYDROGEN" VIA PHOTOELECTROCATALYSIS

V.A. Majidzade, S.F. Jafarova, S.P. Javadova, A.N. Azizova, F.B. Aliyeva, S.N. Baylarli-Sadiyeva, N.I. Shikhaliyev 149

PREPARATION AND CHARACTERIZATION OF SEVERAL PYRIMIDINE DERIVATIVES AND EVALUATION OF THEIR ANTIBACTERIAL AND ANTICANCER ACTIVITY

Mona R. Hamdy, Qader A. Shannak 183

STUDY OF THE PROPERTIES OF MIXED METAL COMPLEXES (Me - Co, Ni, Cu, Zn) USING DIFFERENT METHODS

Hala A.A. Chilmeran, Imtithal A. Mohammed, Tahseen A. Gelmiran 200

LIGAND SUBSTITUTION REACTIONS IN NON-REGULAR CONDENSED SYSTEMS

T.A. Marsagishvili, M.N. Matchavariani 210

SPECTROPHOTOMETRIC ESTIMATION OF FOLIC ACID (VITAMIN B9) USING AN OXIDATIVE COUPLING METHOD WITH (E)-N'-(1-(2-NITROPHENYL)ETHYLIDENE)QUINOLINE-6-CARBOHYDRAZIDE(M4)

Ahmed Shuker Hamoud Al-Janabi, Asma Ahmed Mohammed Al-Rashidy 218

USING P-ANISIDINE FOR SPECTROPHOTOMETRIC DETERMINATION OF THYMOL BY OXIDATION COUPLING REACTION

Wasan S. Fathy, Mohammed S. Al-Enizzi 226

STUDY OF PHYSICAL-CHEMICAL AND COLLOIDAL PROPERTIES OF THE QUATERNARY AMMONIUM SALT OBTAINED FROM HEPTADECANOIC AND OCTADECANOIC ACIDS WITH TRIETHANOLAMINE

Asya F. Shahverdiyeva, Ali Z. Zalov, Nargiz V. Salamova 236

PREPARATION AND CHARACTERIZATION OF A NUMBER OF OXAZEPANE AND THIAZINANE DERIVATIVES DERIVED FROM SCHIFF BASES AND STUDY OF SOME OF THEIR APPLICATIONS

Hind Majed Abdel Karim, Salwa Abdel Sattar Jabbar 244

MICROWAVE-ASSISTED SYNTHESIS OF A NOVEL LIGAND DERIVED FROM OXALIC ACID AND M-DIAMINE PHENYL AND ITS COMPLEXATION WITH SOME TRANSITION METALS

Thana Y. Yousif, Falah M. Fakhree 262

STUDY OF TEMPERATURE DEPENDENCE OF PHYSICAL PROPERTIES OF ZINC OXIDE BY RAMAN SPECTROSCOPY

U.Kh. Kholikov, Sh.Yu. Menglieva, I.O. Kosimov, Sh.T. Khozhiev, I.Kh. Khudaykulov, U.F. Berdiyev, E.A. Yolchueva, L.A. Hasanova 269

INDIRECT SPECTROPHOTOMETRIC DETERMINATION OF MEBENDAZOLE VIA OXIDATION-INDUCED DECOLORIZATION OF NEUTRAL RED DYE: APPLICATION TO PHARMACEUTICAL TABLETS AND HUMAN SERUM

Zahraa A. Alrassam, Othman N. Sabeeh 277

SYNTHESIS, CHARACTERIZATION, AND EVALUATION OF BIOLOGICAL AND LASER ACTIVITIES OF SOME NOVEL AZETIDINONE DERIVATIVES

Abdul Wahed Abdul Sattar Talluh, Mohammed Jwher Saleh, Jamil Nadhem Saleh 288

SYNTHESIS OF 1-MORPHOLINO- AND 1-PIPERIDINO-1-ALKOXY-CARBONYLMETHYL THIOCYCLOALKANES

K.Z. Guseinov, V.M. Farzaliev, L.K. Vahidzade, M.A. Mirzoeva, V.M. Kyazimov 296

INDIRECT SPECTROPHOTOMETRIC DETERMINATION OF AMOXICILLIN TRIHYDRATE IN PURE FORM AND IN PHARMACEUTICAL PREPARATIONS USING CRESOL RED DYE

Raghad Sh. Al-Sanjary, Mohammed S. Al-Enizzi 302

SYNTHESIS, ANTICANCER ACTIVITY, MOLECULAR DOCKING STUDY, OF 4,4-DICHLORO-1,3-OXAZILIDINE-5-ONE DERIVED FROM ISONIAZID

Khalaf A. Jasim, Sheerin Farouq Shaker, Dardaa Aziz Ibrahim, Zaid A. Dawood, Sarab Dalaf Khalaf, Adil Hussein Dalaf, Andre J. Gesquiere 312