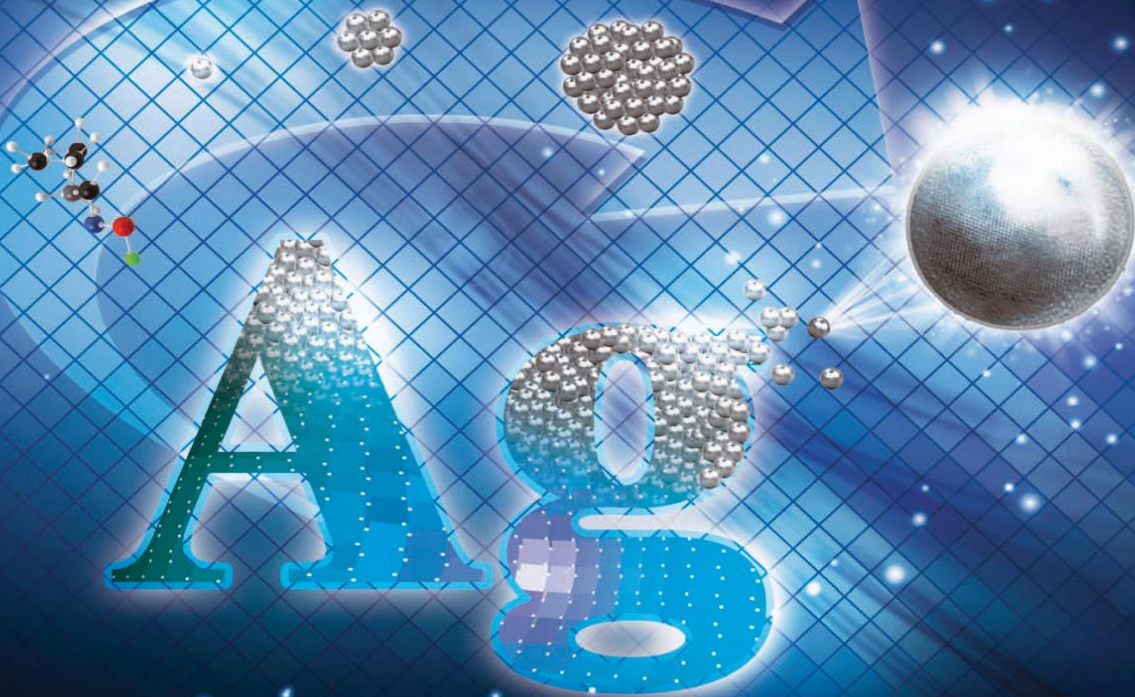


New Materials Compounds and Applications



Vol.8, No.2, 2024

CONTENTS

Vol.8, No.2, 2024

A.A. Abdullayeva, N.E. Ahmedova, G.T. Atakishiyeva, I.C. Ahmedova, B.M. Babazade, M. Akkurt, A.M. Maharramov, N.Q. Shikhaliyev (pp.149-161)

Crystal structure and Hirshfeld surface analysis of 4-azido-2-(4-methoxyphenyl)-5-(2-nitrophenyl)-2h-1,2,3-triazole synthesized on the basis of dibromodiazadiene

K.V. Zolotarev, A.N. Mikhailov, V.I. Nakhod, E.G. Tikhonova, M.V. Mikhailova (pp.162-170)

Characterization and *in vivo* toxicity assay of uncoated silicon nanoparticles

E.N. Ahmadov, Sh.G. Garayeva, R.Z. Shahnazarli, G.A. Ramazanov (pp.171-177)

Development of biocidal compositions on the basis of PVC stabilized with epoxy-containing compounds

M.O. Ezzat, B.M. Abd Razik, W.A. Shihab (pp.178-189)

Molecular modelling and theoretical design of novel nirmatrelvir derivatives as SARS-CoV-2 entry inhibitors

F. Hajjiyeva, E. Abdullayeva, A. Maharramov, G. Eyvazova (pp.190-198)

Coomassie Brilliant Blue dye removal in aqueous solution by hydrogen peroxide in the presence of iron oxide nanoparticles

W.A. Salih, A. Al-Taie (pp.199-222)

Synthesis and characterization of laser-ablated silver and titanium oxide nanoparticles: Implications for drug delivery

S. Mamatova, M. Safarova, G. Davronova, G. Raxmatova, J. Makhmayorov, B. Abdullayev, M. Kurbanov (pp.223-232)

Determination of induction oxidation time of secondary polyethylene composition

M.F. Thanoon, L.M. Al-Nema (pp.233-243)

Hardness, elastic modulus, water solubility and Fourier Transformation Infrared (FTIR) of the modified soft liner with two types of plasticizers

F. Chavliyeva, B. Turakulov, B. Kucharov, A. Erkayev, A. Reyimov, M. Karshiboev, M. Mamajonov (pp.244-253)

Study of obtaining potassium hydroxide by electrochemical method on the bases of flotation and hallurgic potassium chloride

K. Dissanayake, M. Rifky, K. Zokirov, M. Jesfar, J. Farmonov, E. Sanaev, J. Makhmayorov, M. Samadiy (pp.254-264)

Impact of curing salt (Nitrites) on the processed meat products and its alternatives: A review

S.F. El-Hawary, M.M. Hegazy, S.S. Ncibi, R.A. Dawoud (pp.265-288)

Optimizing yield and mitigating biotic stress: The interactive effects of nitrogen fertilization, plant density and variety of maize

M. Al-Shuwaili, H. Mahdi, M. Makram (pp.289-301)

Investigation of structural, morphology and optical properties of GO@metal oxide thin films prepared by spray pyrolysis technique