

CONTENTS

<i>In memoriam</i> Prof. DSc. Christo Boyanov Boyadjiev	i
N. L. Wei, S. R. B. Hassan, Application of response surface methodology for the optimization of copper (II) adsorption in aqueous solution using rambutan peel powder biosorbent.....	189
M. Bchiti, M. Igouzal, S. El-Ghzizel, A. El Midaoui, Modeling pore blocking of nanofiltration and reverse osmosis membranes during NaCl removal.....	199
E. Ganev, V. Beschkov, Optimal synthesis and management of supply chains for production and utilization of biogas.....	205
D. Mehandjiev, I. Ignatov, N. Neshev, F. Huether, G. Gluhchev, Ch. Drossinakis, Formation of clusters in water and their distribution according to the number of water molecules.....	211
<i>Selected papers from the 8th International Conference on New Trends in Chemistry (ICNTC), held in Famagusta, May 16 - 18, 2022</i>	
H. Dolas, Characterization of activated carbon produced from pistachio shell at different temperatures.....	219
B. Eren, Y. Y. Gurkan, Possible reaction pathways of selected organophosphorus and carbamate pesticides according to the DFT calculation method.....	224
A. Geçer, Relation of the grain size, petrophysical parameters, and Fourier transform infrared analysis of Kusuri sandstones in the Zonguldak subbasin of the West Black Sea, Turkey...	235
Ö. Ş. Kahraman, M. T. Phoo, İ. Küçük, A. Hasanoğlu, Preparation of modified polyethersulfone membranes for hemodialysis.....	242
D. Kavaz, N. Aşina, CMC/PEG blended hydrogels for tissue engineering and regenerative medicine.....	247
M. Olipova, A. Maleckis, A. Puckins, A. Kirilova, E. Romanovska, E. Kirilova, Spectroscopic investigation of new benzanthrone luminescent dyes.....	253
S. Kurumoglu, Y. Y. Gurkan, Computational examination of degradation reactions of Buprofezin.....	258
B. Pandir, Y. Y. Gurkan, Degradation reactions of Covid-19 active ingredients by molecular modeling method.....	263
C. Cakir, H. H. Orak, M. Argon, H. Caliskan, T. Sabudak, M. Ozturk, N. Guler, Antioxidant and antidiabetic activities of hexane extract of <i>Genista januensis</i> var. <i>Lydia</i> .....	268
B. Çakır, D. Şakar, M. Karahan, Stability investigation of PAA-BSA bioconjugate and PAA-Cu <sup>2+</sup> -BSA ternary biocomplex at different pHs .....	271
H. Umar, D. Kavaz, A. L. Abubakar, M. R. Aliyu, N. Rizaner, Synthesis of zinc oxide nanoparticles using <i>Ficus thonningii</i> aqueous extract and evaluation of its anti-oxidant and anti-microbial activities .....	277
INSTRUCTIONS TO AUTHORS .....	283