

CONTENTS

L. KIMTYŠ and K. AIDAS. Introduction.....	i
I. DOROSHENKO, A. NEKBOEV, and B. KUYLIEV. Conformational analysis of small ethanol clusters trapped in a low-temperature argon matrix.....	1
C. BARMAN, A. JEZIERSKA, and J.J. PANEK. Thermophilic proteins – exploring thermal stability of FN3 domain from <i>Thermoanaerobacter tengcongensis</i> based on <i>in silico</i> experiments.....	8
J. TAMULIENĖ, T. KIROVA, A. KINENS, and R. VITER. Could carotenoids advance the sensing properties of KL1421 luminophore? Theoretical study.....	20
E. BRIMAS, I. GRIGORAVIČIŪTĖ, and A. KAREIVA. Investigation of visceral adipose tissue (VAT) surface using microscopic methods.....	30
I. ZAMARAITĖ, A. DŽIAUGYS, and J. BANYS. Relaxation dynamics of guanosine 5'-monophosphate with Na ⁺ and K ⁺ in aqueous solutions investigated by broadband dielectric spectroscopy	40
J. MAČYTĖ, J. LACH, M. GREGORY, S. GORDON, J. ČEPONKUS, V. ŠABLINSKAS, and G.A. GUIRGIS. Experimental (Raman and IR) and computational (DFT) studies of the cyclohexyltrifluorosilane	48
L. DAGYS. On the proton spin diffusion in powdered fumaric acid.....	61