

CONTENTS

<i>M. H. Docheva, D. M. Kirkova, I. S. Stoyanova</i> , Factors affecting the 5-hydroxymethyl-2-furfural content in the gas-phase of tobacco smoke of commercial cigarette brands.....	5
<i>St. Georgieva, Zl. Peteva, S. Valkova</i> , Persistent pollutants in marine organisms: assessment of the state of the Black Sea environment.....	10
<i>Ts. Dimitrova, S. Ivanova, S. Stoycheva</i> , Fatty acid composition in kefir from milk of “Bulgarian White Dairy” goat breed and its crossings.....	20
<i>I. Nikolova, I. Kostova, M. Marinov</i> , Phenothiazine Schiff bases containing chlorine: synthesis, characterization and antimicrobial study.....	26
<i>G. Simeonova, B. Todorov</i> , The modification of [¹⁸ F] FDG for further click reactions.....	31
<i>Zh. Petkova, V. Popova, N. Petkova, T. Ivanova, P. Merdzhakov, A. Stoyanova</i> , phytonutrients in black nightshade fruit (<i>Solanum Nigrum L.</i>) growing in Bulgaria.....	38
<i>V. Gandova, O. Teneva, Zh. Petkova, I. Iliev, A. Stoyanova</i> , Lipid composition and investigation of the physicochemical characteristics at different temperatures of high oleic sunflower oil.....	44
<i>L. Stoyanova, M. Angelova-Romova</i> , Chemical composition of seeds from organically grown tobacco plants.....	49
<i>O. Teneva, Zh. Petkova, M. Angelova-Romova, G. Antova</i> , Comparative study on chemical composition and lipids of two species of quinoa seeds (<i>Chenopodium quinoa</i>).....	55
<i>T. Trifonova, St. Georgieva, Z. Peteva</i> , Persistent environmental contaminants in human milk samples from northeastern region of Bulgaria.....	60
<i>A. Merdzhanova, D. Dobreva, V. Panayotova, K. Peycheva, T. Hristova, R. Stancheva</i> , <i>Chamelea gallina</i> from the Black Sea (Bulgaria) as a sustainable source of macronutrients and fat-soluble vitamins.....	66
<i>A. Slavov, G. Marovska</i> , Characterization of by-products from industrial processing of the essential oil crops rose, hyssop, and thyme.....	71
<i>M. Brazkova, R. Koleva, G. Angelova, A. Krastanov</i> Degradation of pyrene by laccase from <i>Trametes versicolor</i>	78
<i>Y. Koleva, I. Iliev, V. Gandova, A. Stoyanova</i> , Potential toxicity, physicochemical properties and environmental behavior of L-carvone.....	84
<i>Y. Koleva, I. Iliev, V. Gandova, A. Stoyanova</i> , Predicting The potential absorption, distribution, metabolism and excretion of the aldehyde citral.....	92
<i>I. Ivanov, M. Todorova, N. Petkova, I. Dincheva</i> , Non-polar phytochemical compounds from dandelion (<i>Taraxacum officinale</i> Weber. ex F.H. Wigg.) flowers.....	96
<i>D. Vassilev, N. Petkova, D. Yaneva, P. Denev</i> , Application of “Green chemistry” principles to the modification of carbohydrates from natural sources for bio-additives in plastics	100
<i>K. V. Petkova- Parlapanska, E. D. Georgieva, Y. D. Karamalakova, P. I. Goycheva, G. D. Nikolova</i> , Type 2 diabetes mellitus and vascular complications.....	104
<i>Y. D. Karamalakova, E. D. Georgieva, K. V. Petkova-Parlapanska, V. B. Slavova, K.V. Ivanova, V. A. Ivanov, G. D. Nikolova</i> , <i>Silybum Marianum</i> reduces acute kidneys injury by modifying biochemical changes and oxidative stress levels in glycerol-induced CRUSH syndrome.....	109
<i>Y. D. Karamalakova, E. D. Georgieva, K. V. Petkova-Parlapanska, V. A. Ivanov, G. D. Nikolova</i> , Neuroprotective effect of <i>Silybum Marianum</i> in brain regions after experimental ochratoxicosis.	116
<i>I. Hambarlynska, N. Petkova, P. Georgieva, A. Slavov, M. Ognyanov, D. Karashanova, B. Georgieva, Y. Tumbarski</i> , Green methods for inulin extraction from common salsify (<i>Tragopogon porrifolius</i> L.) roots and its application in metal nanoparticles synthesis.....	121
<i>V. Paskova, K. Dobreva, I. Dimitrova</i> , Investigation of the effect of ultrasound-assisted extraction on the yield and tannin content of white oregano extracts.....	129
<i>Ts. Valev, K. Dobreva, M. Dimov</i> , Phytochemical characterization of different varieties of thyme	133
<i>E. Georgieva, D. Berbatov, Y. Karamalakova, G. Nikolova, M. Gulubova</i> , Application of stable nitroxide radicals and their non-contrast forms in diagnostics of oxidative stress in patients with diabetes mellitus type 2 and non-alcoholic fatty liver disease.....	138

<i>A. Popova, D. Mihaylova, P. Doykina, S. Pandova</i> , Evaluation of preliminary physico-chemical parameters and biometric characteristics of the “Stendesto” plum-apricot hybrid with reference to its parental lines.....	143
<i>V. Panayotova, A. Merdzhanova, D. Dobreva, K. Peycheva, T. Stoycheva</i> , Chlorella and Spirulina dietary supplements as sources of biologically active lipids.....	148
<i>G. Marovska, A. Slavov</i> , Pectic polysaccharides extracted from unprocessed and steam-distilled lavender biomass.....	152
<i>Instructions to authors</i>	156