

CONTENTS

	Page
Agricultural Economics	
S. Bojnec and I. Ferto. Does Enlargement Has Caused Intra and Extra European Union Agri-Food Trade?.....	1
T. Travnikar and L. Juvancic. A Winding Road from Investment Support to the Economic Growth of Farms: Evidence from Spatial Econometric Analysis of Agricultural Holdings in Slovenia.....	16
B. Milovic and V. Radojevic. Application of Data Mining in Agriculture.....	26
Ecology, Agrotechnics and Soil Science	
Z. Popova, M. Ivanova, L. Pereira, V. Alexandrov, M. Kercheva, K. Doneva and D. Martins. Droughts and Climate Change in Bulgaria: Assessing Maize Crop Risk and Irrigation Requirements in Relation to Soil and Climate Region.....	35
I. Atanassova, M. Teoharov and M. Harizanova. Vertical Distribution of Heavy Metals in Soils under the Application of Industrial Sludge from Paint and Print Industry.....	54
H. Samet, Y. Cikili and S. Dursun. The Role of Potassium in Alleviating Boron Toxicity and Combined Effects on Nutrient Contents in Pepper (<i>Capsicum annum</i> L.).....	64
I. Kocaman, F. Konukcu, A. Istanbuluoglu and S. Albut. Effect of Irrigation with Maritza and Ergene Rivers Water on Soil Contamination and Heavy Metal Accumulation in Rice Crop.....	71
M. Jastrzębska, M. K. Kostrzewska, M. Wanic and K. Treder. The Effect of Water Deficit and Interspecific Competition on Selected Physiological Parameters of Spring Barley and Italian Ryegrass.....	78
D. Dimitrov and V. Vutov. Flora and Vegetation of the Natural Phenomenon "Karst Spring Zlatna Panega"..	89
B. Pasari and M. Sh. Yakhchali. Study the Effect of Methanol Foliage Spraying on Chickpea Cultivars in Rainfed Condition.....	93
Plant Sciences	
St. Masirevic, S. Medic-Pap, B. Konstantinovic and A. Terzic. Influence of Nutritive Media and Low Temperatures on Broomrape Seed Germination.....	100
M. Luqman, G. M. Shah, M. A. S. Raza, N. Shahid and M. Hassan. Performance of Bt Cotton Varieties Under Khanewal Conditions.....	105
R. Karayel and H. Bozoglu. The Change of Some Physicochemical Properties Depending on the Sowing Times in Local Pea Genotypes	109
T. Kleiber and M. Grajek. Tomato Reaction on Excessive Manganese Nutrition.....	118
V. Krsteska, V. Dimeska, S. Stojkov and P. Stojanoski. <i>Peronospora tabacina</i> A. The Causing Agent of Blue Mold Disease on Tobacco.....	126
Y. Kaya and M. Turkoz. Evaluation of Genotype X Environment Interaction for Grain Yield in Durum Wheat Using Non-Parametric Stability Statistics.....	134
K. Bardarov, V. Mihaylova and R. Djingova. Study on the Elemental Composition of <i>Clinopodium vulgare</i> L. - Medicinal Plant, Collected from Different Regions of Bulgaria.....	145
A. Laposavic, D. Durovic, Z. Keserović and D. Jevremovic. Vegetative and Yield Potential of Cultivars and Selection of Raspberry Cultivated in Conditions of West Serbia.....	153
B. Herrero, M. E. Blázquez and M. D. Cristóbal. Nutrient Levels in a Productive Cycle of Hydroponic Tomato Crop.....	160

CONTENTS (continued)

Page

Food Science and Technologies

- H. K. Yildirim, Y. Akcay, S. K. Ucar, M. Coker and E. Sozmen. *Myrtus Communis* L. Leaves and Teas as Potential Antioxidants and Protectors against *in vitro* Ldl-Oxidation 167
- D. Miteva, K. Dimov, I. Nacheva, Y. Todorov, M. Doneva, P. Metodieva and Tsv. Tsvetkov. Prolongation of the Storage and Quality Preservation of Potato Semi-Finished Foods by Specific Technological Treatment..... 174
- I. Ochmian, K. Kozos and K. Mijowska. Influence of Storage Conditions on Changes in Physical Parameters and Chemical Composition of Highbush Blueberry (*Vaccinium corymbosum* L.) Fruit during Storage..... 178

Animal Science

- N. Mincheva, M. Oblakova, M. Lalev and P. Hristakieva. Investigation on Production Traits of Broiler Chicken Hybrid Combinations..... 184
- K. Nedelkov, N. Todorov, D. Girginov and M. Simeonov. Comparison on the Response of Ewes to the "Ram Effect" in Seven Bulgarian Breeds..... 189
- D. Ribikauskiene, V. Macijauskiene, A. Jeresiunas, V. Ribikauskas and I. Stuoge. Comparative Evaluation of Two Different Ration Types for Growing Rabbits..... 193
- E. Yildiz, N. Todorov and K. Nedelkov. Comparison of Different Dietary Protein Sources for Dairy Cows.. 199

Veterinary Medicine

- I. Kirilova, M. Ivanova-Kicheva, D. Daskalova, D. Gradinarska, A. Kukov, P. Dimitrov and E. Hristova. The Role of Antioxidants and Biologically Active Substances on the Motility and Speed Parameters of Buffalo Bull Spermatozoa after Cryopreservation..... 209
- A. Arnaudova-Matey, Z. Shindarska, T. Yankovska and V. Dilova Influence of the Iron Methionate and Ferrous Sulphate on Some Productive Indices in Broiler Chickens..... 215
- S. Yayla, N. N. Kamiloglu, A. Kamiloglu, I. Ozaydin and C. S. Ermutlu. Comparison of The Effects of Intramuscular and Intraosseal Administration of Detomidine/Ketamine Combination for General Anaesthesia in Quails (*Coturnix coturnix Japonica*)..... 220

Agricultural Technique

- M. I. Mladenov, M. P. Dejanov and R. Tsenkova. Grain Sample Quality Assessment Fusing the Results from Color Image and Spectra Analyses..... 225
- R. Kukutanov, I. Canev, D. Spasova and Z. Davcev. Test Results for Machine and Human Hours Spent Producing Different Grape Varieties..... 237