

CONTENTS

Agricultural Economics

- M. Bruni and F. M. Santucci. Agribusiness at Global Scale and Smallholders..... 1
- M. Altarawneh. Determine the Barriers of Organic Agriculture Implementation in Jordan..... 10

Ecology and Landshaft

- R. Bozhinova. Heavy Metal Concentrations in Soil and Tobacco Plants Following Long-Term Phosphorus Fertilization..... 16
- L. Malinova. *Regosols* in „Central Balkan” National Park..... 21
- D. I. Karatoteva. Landscape Investigation in the Forest area of „Central Balkan” National Park..... 26
- D. S. Dimitrov and V. M. Vutov. Flora of the Belassitsa Mountain..... 30

Plant Sciences

- A. M. Rodrigues, F. I. Pitacas, C. M. G. Reis and M. Blasco Nutritional Value of *Opuntia Ficus-Indica* Cladodes from Portuguese Ecotypes..... 40
- M. Georgieva, I. Badjakov, I. Dincheva, S. Yancheva and V. Kondakova. *In vitro* Propagation of Wild Bulgarian Small Berry Fruits (Bilberry, Lingonberry, Raspberry and Strawberry)..... 46
- S. Šeremešić, L. J. Nikolić, D. Milošev, M. Živanov, Ž. Dolijanović and M. Vasiljević. The Possibility of Maize Gluten Application for Weed Control in Maize and Soybean..... 52
- L. Shafea and M. Saffari. Evaluation of Grain Filling Rate and Path Analysis in Different Combinations of Nitrogen and Zinc in Maize..... 60
- M. J. Stolarski, M. Krzyżaniak, St. Szczukowski, J. Tworkowski and M. Śnieg. Willow Productivity on a Commercial Plantation in Triennial Harvest Cycle..... 65
- T. Ghanbar, B. Hosseini, Z. Jabbarzadeh, A. Farokhzad and A. Sharafi. High-Frequency *In vitro* Direct Shoots Regeneration from Axillary Nodal and Shoot Tip Explants of Clary Sage (*Salvia sclarea* L.)..... 73
- M. U.-Walorska and A. Krzymińska. Influence of Sodium Chloride onto Growth and Flowering of *Isotoma Axillaris* Lindl..... 79

Agrochemistry and Soil Science

- N. Thakur. Lycopene Quantification of Tomato by SPE And HPLC..... 84

Plant Pathology and Protection

- S. Masheva, V. Yankova, D. Markova, Ts. Lazarova, M. Naydenov, N. Tomlekova, F. Sarsu and Ts. Dincheva. Use of Micobioagents to Reduce Soil Pathogens and Root-knot Nematodes in Greenhouse-Grown Tomatoes..... 91
- A. Etropolska, W. Jarausch, B. Jarausch and G. Trenchev. Molecular Typing of Bulgarian Specimen of the Phytoplasma Vectors *Cacopsylla Pruni* Scopoli and *Cacopsylla Melanoneura* (Foerster)..... 98

T. P. Popova, K. G. Trencheva and R. I. Tomov. Investigation on the Microflora of the Long-Tailed Mealybug <i>Pseudococcus Longispinus</i> (Targioni-Tozzetti) (Hemiptera: Pseudococcidae) In Order to Assess its Importance as a Carrier of Pathogenic Microorganisms.....	103
B. Dikova, L. Mishchenko, A. Dunich and A. Dashchenko. <i>Tomato Spotted Wilt Virus</i> on Giant Hysop and Common Valerian in Ukraine and Bulgaria.....	108
 Plant Genomics	
B. Dyulgerova, D. Dimova and D. Valcheva. Genetic Diversity in Six-Rowed Winter Barley (<i>Hordeum Sativum</i> Jess., Ssp. Vulgare L.) Genotypes.....	114
M. Pavlovic, O. Nikolic and Z. Jestrovic. Genetic Analysis of Variability and Inheritance of Nitrogen Harvest Index in Wheat (<i>Triticum Aestivum</i> L.).....	119
D. Spasova, D. Spasov, A. Stoilova, B. Atanasova, Lj. Mihajlov and N. Valkova. Application of Cluster Analysis for Evaluation of New Bulgarian and Macedonian Cotton Varieties and Lines.....	125
 Animal Science	
H. Kulig, K. Żukowski, I. Kowalewska-Luczak and P. Łakomy. <i>Scd1</i> Polymorphism and Breeding Value for Milk Production Traits in Cows.....	131
D. Kanev, R. Nedeva, S. Ivanova and B. Szostak. Effect of High Levels Distillers Dried Grains with Solubles in Performance of Fattening Pigs.....	135
K. Genova and T. Mehmedov. Study of Performance on Natural Resistance in Pheasants, Infected with Pathogenic Strain of E.Coli and Treated with Enterococcus Faecium M74.....	140
A. Apostolov, R. Nedeva, M. Bojkova, Y. Marchev and P. Penchev. Evaluation of Sow Body Development Throughout the Reproduction Cycle and its Influence on Reproductive Performance in the Danube White Breed.....	144
 Agricultural Resources	
M. Boyaci and O. Yildiz. An Overview of Agricultural Extension Services in Turkey.....	151
 Agricultural Technologies	
H. Sabkov, E. Vidinova, E. Raycheva and T. Ivanova. Influence of the Modular Approach on the Production Costs during Introduction of Ewes' Machine Milking.....	158
J. Szczepaniak, P. Frąckowiak and F. Adamczyk. Influence of the Type of Heating Furnace on the Process of Burning Briquettes Rolled From Uncut Rye Straw.....	165