

AGRICULTURAL MANAGEMENT

- Mikhail Y. Puchkov; Alexander V. Koshkarov; Maksim A. Lysakov; Konstantin V. Isaev; Elena G. Loktionova; Sergey D. Fomin; Elena S. Vorontsova and Vasily M. Strukov** – Regression model of the formation of pasture with programmable productivity of the arid lands of the South-East European of Russia 919
- Agus Dwi Nugroho and Imade Yoga Prasada** – Performance and forecast of Indonesian pepper exports to Italy 927

AGRICULTURAL ECONOMICS

- Mihaela Mihailova** – The state of agriculture in Bulgaria – PESTLE analysis 935

SUSTAINABLE AGRICULTURE

- Aum Mohai Minur Rahman, Mohammad Parvez Anwar, Ahmed Khairul Hasan, Ainun Nur Jyoti, Mohammad Shahjahan, Mohammad Kamal Uddin and Sabina Yeasmin** – Optimization of stocking density and mixture ratio of tilapia and carp in rice-fish culture for higher bio-economic efficiency 944
- Sergey V. Mitrofanov and Nikolay N. Novikov** – Efficiency of using stimulating preparations in pre-treatment of spring barley seeds 958

ECOLOGICAL FARMING

- Aran Ngampongsai, Surakrai Permkam, Wisut Sittichaya, Suraphong Saiboon and Kanok Maharat** – Oral toxicity of chitin synthesis inhibitors (CSIs) and plant extracts to rubber termite, *Coptotermes curvignathus* Holmgren (Rhinotermitidae: Isoptera) 966

PLANT SCIENCE

- Euis Nining, Rizal Sjarief, Zainal Alim Mas'ud, Sobir Sobir and Machfud Machfud** – Analysis of mancozeb and carbofuran pesticides residues in the production area of shallot (*Allium cepa* L. *Var. ascalonicum*) 974

PLANT GENETICS AND GENOMICS

- Boyan Arnaoudov, Dima Markova and Yanina Arnaoudova** – Influence of the water deficit on growth indexes and pests infestation of pepper mutant lines 982
- Argir Zhivondov, Neli Keranova and Svetla Pandova** – Grouping and evaluation of cornel-tree varieties according to some pomological indicators 988
- Boryana Dyulgerova and Todorka Savova** – Genotype by environment interaction for grain yield in winter oat 992
- Rangel Dragov** – Combining ability for the grain wet gluten content in durum wheat 998

PLANT PATHOLOGY AND PROTECTION

- Koko Tampubolon, Edison Purba, Mohammad Basyuni and Diana Sofia Hanafiah** – Application of monosodium methyl arsenate with diuron herbicide to control the characteristics of glyphosate-resistant *Eleusine indica* at oil palm plantations 1003

Irena Atanasova, Plamen Ivanov, Toma Shishkov, Emil Dimitrov and Martin Banov – Soil profile distribution of water repellency and relationships with properties and characteristics of Technosols from open-cast mining	1013
--	------

ANIMAL SCIENCE

Gergana Yordanova, Danail Kanev, Yordan Marchev, Radka Nedeva, Tanya Nikolova and Nadezhda Palova – Effect of herbal supplements (nettle and rosehip) on the sperm quality in Danube White breed boars.....	1020
Charles O. Osita, Augustine O. Ani, Chika E. Oyeagu, Eunice A. Akuru, Leonard C. Ugwuowo, Valentine C. Udeh and Uzochukwu J. Oliobi – Effect of different levels of dietary inclusion of <i>Saccharomyces cerevisiae</i> on growth performance and hematological parameters in broiler birds	1024
Dimo Penkov and Matina Nikolova – Study on the conversion of energy and protein in fattening of Guinea-fowls up to 16 weeks of age by introducing “Clarc of distribution/ transformation”	1029
Olena Berbenets, Andriy Pugach and Olesya Lebedenko – Economic aspects of extruded soybeans’ usage in livestock and poultry.....	1034
Tsvetelina Nikolova – Growing mulberry silkworm with artificial diet with added extract <i>Tribulus terrestris</i> L.	1041

ANIMAL GENETICS AND GENOMICS

Stanislav Stamatov and Nikolaya Velcheva – Assessment of genetic diversity in sesame germplasm as an initial material for Bulgarian breeding programs	1047
--	------

VETERINARY SCIENCE

Snezana Paskas, Jelena Miocinovic, Mila Savic, Branislav Vejnovic and Zsolt Becskei – The quality of goat milk and hygiene management practlices on farms in Vojvodina	1053
Roman Pepovich – Enzootic pneumonia of pigs – diagnostic notes (review)	1062

FOOD SCIENCE AND TECHNOLOGIES

Nadezhda Blagoeva, Ivayla Bazhlekova, Hristo Spasov and George Kostov – Influence of enzyme maceration and alcoholic fermentation temperature on the terpenes concentration in Muscat wine distillates	1069
Ionel Popescu-Mitroi, Dana Gina Radu, Claudia Mureşan, Andreea Lupitu, Dana Copolovici and Lucian Copolovici – Monitoring the content of biogenic amines in red wines subjected to malolactic fermentation	1076
Antoaneta Georgieva, Radostina Stefanova and Krasimir Krastev – Assessment of extracts from dry fruits of <i>Vaccinium myrtillus</i> L. and <i>Ribes nigrum</i> by regression analysis.....	1083

AGRICULTURAL ENGINEERING

Kateryna Vasytkovska, Oleksii Vasytkovskyi, Serhii Leshchenko, Mykola Sviren and Mykola Moroz – Identification of parameters of pneumatic and mechanical seeding device under the influence of vacuum	1091
--	------