

Agricultural Management

- Moreira, C. E. S., A. L. R. de Oliveira, S. R. de M. Oliveira and A. Yamakami. Identification of freight patterns via association rules: the case of agricultural grains..... 887
- Wildayana, E. Challenging constraints of livelihoods for farmers in the South Sumatra Peatlands, Indonesia 894
- Ezihe, J. A. C., I. K. Agbugba and C. Idang. Effect of climatic change and variability on groundnut (*Arachis hypogea*, L.) Production in Nigeria..... 906

Agricultural Economics

- Miteva, A. Opportunities for expanding the application of environmental management and audit scheme in Bulgaria 915
- Marandi, L. T. and L. Rashidpour. Impacts of credits on agricultural mechanization and development in Urmia County..... 922

Plant Science

- Reis, C. M. G., C. Gouveia, M. C. Vitorino, L. C. Gazarini, M. M. Ribeiro and F. Peres. Bioactive compounds and morphology in *Opuntia* spp. fruits from Portuguese ecotypes..... 929
- Sortino, G., A. Allegra, V. Farina and P. Inglese. Postharvest quality and sensory attributes of 'Pesca di Bivona' peaches (*Prunus persica* L.) during storage 939
- Dimkova, S., D. Ivanova, S. Todorova and N. Marinova. Biometrical indicators of fresh fruits of Bulgarian and introduced plum cultivars of *Prunus domestica* L..... 947
- Hartati, S., R. B. Arniputri, L. A. Soliah and O. Cahyono. Effects of organic additives and naphthalene acetic acid (NAA) application on the *in vitro* growth of Black orchid hybrid (*Coelogyne pandurata* Lindley)..... 951
- Kulikov, I. M., A. A. Borisova, S. M. Motyleva and M. E. Mertvishcheva. Comparative content of biologically active substances in apple fruits of different geographical origin 958
- Nikolova, Ts. and I. Jekova. Effect of climatic factors on the sustainability of different varieties of mulberry grown in the Valley of Sofia 964

Plant Genetics

- Dyulgerski, Y. and M. Docheva. Hybridological analysis of inheritance the content of nicotine and sugars in Burley and Virginia tobacco crosses 968

Plant Pathology and Protection

- Ling, A. S. C., M. J. A. Kamil, K. P. Chong and C. M. Ho. Assessing the cocoa genotypes for resistance to black pod using the area under the disease-progress curve (AUDPC) 972
- Zargar, M., E. N. Pakina, V. G. Plushikov, V. Vvedenskiy and M. Bayat. Efficacy of reducing lintour doses and biocontrol components for an effective weeds control in winter wheat (*Triticum aestivum*)..... 980

Agrochemistry and Soil Science

- Stoilova, I., G. Dimitrova, G. Angelova and A. Krastanov. Biodegradation of phenol, catechol and 2, 4-dichlorophenol at higher initial inhibitory concentrations by *Trametes versicolor* 1 in a “fed-batch” process..... 988
- Samanhudi, B. Pujiasmanto, A. Yunus, Supyani, Suntoro, H. Widijanto and S. M. Prabowo. The effect of manure and mycorrhiza application to the soil microbes biodiversity in terms of increasing soybean yield in marginal land in Indonesia..... 994

Ecology

- Wedyan, M., E. Qnais, Y. Ismail and A.R. Al Tawaha. The molecular composition of dissolved free amino acids in rainwater..... 1004
- Tsolova, V. and M. Banov. Accumulation of microelements in technogenic ecosystems from the vicinity of the “Medet” opencast mine..... 1011
- Utama, G. L., T. B. A. Kurnani, Sunardi, M. F. Cahyandito and R. L. Balia. Joint cost allocation of cheese-making wastes bioconversions into ethanol and organic liquid fertilizer 1016

Animal Science

- Karamfilov, S. and V. Nikolov. Opportunity to use Montbeliard breed in Bulgaria 1021
- Tanjung, M., M. C. Tobing, D. Bakti and S. Ilyas. Growth and development of the silkworm (*Bombyx mori* L.) C301 with heat shock treatments..... 1025

Veterinary Science

- Robaj, A., A. Hamidi, H. Bytyqi and D. Sylejmani. Frequency and antimicrobial susceptibility of bacterial isolates from caseous lymphadenitis in sheep in Kosovo..... 1033

Fisheries and Aquaculture

- Dochin, K., V. Kuneva and I. Iliev. Principal component analysis of the phytoplankton interactions with the environmental factors in two reservoirs in Bulgaria..... 1037

Food Science and Technologies

- Ivanov, G. Y., E. Bilgucu, T. B. Balabanova, I. V. Ivanova and A. Uzatici. Effect of animal breed, season and milk production scale on somatic cell count and composition of cow milk..... 1047