International Journal of

## Agriculture, Environment and Food Sciences

Volume 6 • Issue 4 • December 2022







## **CONTENTS**

502	Acceptability of Pennisetum purpureum by West African dwarf rams as influenced by manure application rates  Toyese Williams, Victoria OJO
F07	Posource use officiency and factors influencing maize production in Kuie Area Council Federa

507 Resource use efficiency and factors influencing maize production in Kuje Area Council, Federal Capital Territory, Nigeria

Funso ALABUJA, Luka ANTHONY, Elizabeth EBUKİBA

Tanso NE 18 657 II, Edita / II VII To IVI, En Edit et l'Estrib. I

- 516 Automation of liquid fertilizer application aystem in a direct drill machine Behice Boran AKTEPE, Yilmaz BAYHAN, Eray ÖNLER
- 522 Synthesis, characterization and evaluation of antimicrobial activities of silver nanoparticles obtained from *Rumex acetosella* L. (Sorrel) plant

  Necmettin AKTEPE, Hafize BÜTÜNER, Ayşe BARAN, M.firat BARAN, Cumali KESKİN
- 530 Socio-economic determinants of smallholder rice (*Oryza sativa*) farmer's access to Loan facilities, Abuja, Nigeria

  Olugbenga ALABI, Chinwe Edith ANEKWE
- 537 Effects of different agricultural wastes on yield and quality in Pholiota nameko cultivation Osman DAŞDELEN, Flavien SHİMİRA, Ecem KARA, Gökhan BAKTEMUR, Hatıra TAŞKIN
- 545 Impact of COVID-19 on the productivity of ornamental fish farmers: A case of ornamental fish farms in Colombo district in Sri Lanka
  Ruwani WEERASİNGHE, Pushpa MALKANTHİ
- 557 Seroprevalence of *Salmonella* spp. infection in different types of poultry and biosecurity measures associated with Salmonellosis

  Mirza Mienur MEHER, Md. ARMAN SHARİF, Abdullah AI BAYAZİD
- Public health risk assessments associated with heavy metal levels in panga fish fillets imported from Vietnam

  Serdar KİLERCİOĞLU, Ali Rıza KOŞKER, Ece EVLİYAOĞLU
- Modeling wastewater treatment plant (WWTP) performance using artificial neural networks: Case of Adana (Seyhan)

  Metin DAĞTEKİN, Bekir YELMEN
- The effect of rice milling time and feed rate on head rice yield and color properties Ahmet Konuralp ELİÇİN, Reşat ESGİCİ, Abdullah SESSİZ
- 592 Greenhouse gases induced climate change in Turkey and Bodrum district (Mugla province)

  \*\*Bahar IKIZOĞLU\*\*
- 598 Effects of different combinations of growth regulators on the in vitro growth parameters of *Poncirus trifoliata* L. (Raf.)

  Elif SUBASi SEVINC, Bekir Erol AK, Ibrahim Halil HATIPOGLU, Heydem EKINCI





## **CONTENTS**

605	Energy balance and greenhouse gas (GHG) emissions of Sauceboat Pepper (Capsicum annuum L.)
	production in Türkiye

Mehmet Fırat BARAN, Ahmet Konuralp ELİÇİN, Korkmaz BELLİTÜRK, Ahmet ÇELİK

The effect of sorbitol applications on total phenolic, flavonoid amount, and antioxidant activity in Safflower (*Carthamus tinctorius* L.)

Alper DİLEK, Ebru BATI AY, Muhammed Akif AÇIKGÖZ, Beril KOCAMAN

- The effects of foliar zinc application on grain antioxidant traits in some winter durum wheat cultivars at different growth stages

  Gizem COŞKUN, Fevzi TOPAL, Bilge BAHAR
- 632 Insecticidal Effects of Some Bacillus thuringiensis Commercial Biopreparats on the Larvae of the Tomato Leaf Miner, Tuta absoluta (Meyrick, 1917) (Lepidoptera: Gelechiidae)

  \*\*Alime BAYINDIR EROL, Oktay ERDOĞAN\*\*
- 637 Effects of different doses of ammonium nitrate applications on nutrient content in some types of grass: nutritional support

Yavuz ALKAN, Tolga SARIYER, Cafer TÜRKMEN, Abdullah KELKİT

- 644 Nutritional value of Juncus acutus in the wetland of Kızılırmak delta Sebahattin ALBAYRAK
- 648 Rootstock potential of auto and Allotetraploid Citron [Citrullus lanatus var. citroides (L. H. Bailey) Mansf.] for Watermelon [Citrullus lanatus var lanatus (Thunb.) Matsum. & Nakai] under hydroponic conditions: plant growth and some physiological characteristics

  Alim AYDIN, Halit YETİŞİR, Hakan BAŞAK, Metin TURAN, Metin TUNA
- 660 Evaluation of the heavy metal content of Sweetgum tree (*Liquidambar orientalis* Mill.) distributed in Mugla province

Fatma ALPTEKİN, Mahmut YILDIZTEKİN

- 667 Investigation of yield and yield components in main crop soybean genotypes in Adana conditions Mustafa YAŞAR, Mehmet SEZGİN
- 676 Phenolic composition of common produced raisins in Türkiye Ali GÜLER
- 683 Effects of Cucurbita, Lagenaria and Citrullus rootstocks on pollen and fruit characters, seed yield and quality of F1 hybrid watermelon

  Veysel ARAS, Nebahat SARI, İlknur SOLMAZ
- The effect of temperature and relative humidity on milk yield of holstein dairy cattle raised in agricultural enterprises under different climatic conditions

  Gökhan GELİR, Ali Murat TATAR
- 704 Comparison on flower, fruit and seed characteristics of tetraploid and diploid watermelons (*Citrullus lanatus* Thunb. Matsum. and Nakai)

  Pinar ADIGÜZEL, İlknur SOLMAZ, ,Senay KARABIYIK, Nebahat SARI





## **CONTENTS**

711 Determination of awareness levels of walnut producers in plant protection applications (a case study of Bitlis province)

Mehmet KAPLAN, Cihan DEMİR