

CONTENTS

RESEARCH ARTICLES

1. The impact of sectors on agriculture based on artificial intelligence data: a case study on G7 countries and Turkiye Ersin Çağlar	486
2. Effect of entomopathogenic <i>Beauveria bassiana</i> (Balls.) Vuill. isolates on <i>Myzus persicae</i> (Sulzer) (Hemiptera: Aphididae) Alime Bayındır Erol, Oktay Erdoğan	495
3. Assessing the influence of partial canopy cover and temperature variability on late-season dehydration in grape berries Turcan Teker, Oguzhan Soltekin, Ebru Toprak Özcan	502
4. The effects of mixes of peat and olive pomace at various ratios on the vegetative growth of potted grapevine saplings Mehmet İlhan Odabaşoğlu, Ebru Sakar	511
5. Adsorption of crystal violet dye with selenium nanoparticles obtained by green synthesis from cherry (<i>Prunus avium</i> L.) fruit stalk Alper Solmaz, Talip Turna, Ayşe Baran	521
6. The use of biofertilizer contribution to plant development and yield in greenhouse broccoli cultivation Özlem Altuntaş, Rabia Küçük	531
7. Impact of bio-pesticides and storage containers on lentil seed preservation and pre-sowing fungal treatment Jahan Al Mahmud , Mahtalat Ahmed , Md. Mamun Hossain , Md. Mahadi Morshed , Sanjoy Kumar Adhikary	541
8. Evaluation of the effects of storage time and temperature on the beverages Ali Güler, Özlem Tokuşoğlu	550
9. The effect of biochar obtained from waste filter coffee grounds on plant germination Miraç Nur Ciner, Emine Elmaslar Özbaş, Hilal Savuk, Şeyma Günay, H. Kurtuluş Özcan, Atakan Öngen	561
10. Participation of urea application stages on flour quality in bread wheat Bilge Bahar, Berra Başıyigit Köseoğlu, Cemalettin Baltacı, Sait Aykanat, Hatun Barut	571
11. Investigation of the effects of psyllium powder addition on the quality of fresh and frozen gluten-free bread Sevda Can Keman, Görkem Özülkü	581
12. Effects of different rootstocks on the growth and yield characteristics of Papazkarası (<i>Vitis vinifera</i> L.) Elman Bahar, Ilknur Korkutal, Semih Erişken	591
13. Separation of free bran using electrostatic field system with electrically assisted flat PVC surface Sema Nur Kayiran, Mustafa Bayram	602
14. Alternative vegetable cultivation option in semi-arid conditions: the example of broccoli Ceren Ayşe Bayram	611
15. Characterization of F2 generation tomato plants and marker assisted selection against tomato spotted wilt virus (tswv) and tomato yellow leaf curl virus (tylcv) Alim Aydın, Hakan Başak, Hamide Aydın, Ramazan Güngör	618
16. Development of low oil emulsion gels by solidification of oil droplets and determination of their rheological properties Deniz Damla Altan Kamer	629
17. Determination of energy usage and greenhouse gas (GHG) emissions in artichoke production Cihan Demir, Mehmet Fırat Baran, Ahmet Konuralp Eliçin	642
18. Effects of classical and organomineral fertilizer applications on pollen quality and quantity in gemlik olive cultivar Şenay Karabıyık, Olcay Çelik, Mehmet Ali Saridas, Sevgi Paydaş	650

CONTENTS

19. Trend analysis of cotton production and trade Sıdıka Bozkıran Yılmaz, Hatice Kübra Gören	656
20. Characterization of flax genetic resources in Türkiye through variance analysis of antioxidant, phenolic compound and fatty acid contents Yusuf Arslan, Mustafa Yaşar, Muhittin Bağcı, Müttalip Gündoğdu, Berfin İşler, Sefa Ünal	663
21. Nematicidal effect of powder extractions of different coloured radish seeds against <i>Meloidogyne incognita</i> on tomato Fatma Gül Göze Özdemir, Fadimana Maril, Harun Çimenkaya, Bekir Tosun	674
22. Effects of different doses of zeatin, kinetin, and gibberellic acid biostimulants on growth and biochemical parameters during the seedling development stage of Istanbul Oregano (<i>Origanum vulgare</i> L. ssp. <i>hirtum</i>) Muhammed Said Yolcu	681
23. The effects of different cooking methods on the physicochemical properties of potatoes, carrots, and cultivated mushrooms Ayşe Nur Ediz, Dilara Konuk Takma, Hilal Şahin Nadeem, Zehra Günel	688
24. Studies on in vitro germination on endemic <i>Salvia</i> L. species Pınar Orcan, İbrahim Selçuk Kuru	703
25. The volatile compounds of some edible wild plants consumed in the Mediterranean region Aslıhan Cesur Turgut	710
26. Shoot tip culture of Bilecik İrikarası, Sarı Üzüm, Kartal Çavuş and Razakı grape varieties grown in Bilecik province Seda Özdemir Memiş, Hayri Sağlam	729