



jotaf

**Journal of Tekirdag
Agricultural Faculty**

Tekirdağ Ziraat Fakültesi Dergisi

ISSN: 1302-7050
e-ISSN: 2146-5894

Issue: 1
Volume: 21
2024



jotaf

Journal of Tekirdag
Agricultural Faculty

Tekirdađ Ziraat Fakültesi Dergisi



ISSN:1302-7050

e-ISSN:2146-5894

Cilt / Volume 21

Sayı / Issue 1

Ocak / January 2024

Owner (On Behalf of Faculty)	Sezen ARAT Tekirdag Namik Kemal University
Editor-in-Chef	Duygu BOYRAZ ERDEM Tekirdag Namik Kemal University
Editorial Management	Hüseyin SARI, Tekirdag Namik Kemal University Hazım Serkan TENİKECİER, Tekirdag Namik Kemal University
Section Editors	Fatih KONUKÇU, Tekirdag Namik Kemal University Aydın ADİLOĞLU, Tekirdag Namik Kemal University H. Ersin ŞAMLI, Tekirdag Namik Kemal University Ömer AZABAĞAOĞLU, Tekirdag Namik Kemal University Süreyya ALTINTAŞ, Tekirdag Namik Kemal University İlker NİZAM, Tekirdag Namik Kemal University H. Murat VELİOĞLU, Tekirdag Namik Kemal University A. Şükrü DEMİRCİ, Tekirdag Namik Kemal University Arzu ÇOŞKUNTUNA, Tekirdag Namik Kemal University M. Recai DURGUT, Tekirdag Namik Kemal University Emine YILMAZ, Tekirdag Namik Kemal University
Editorial Adviser Board	Ayşe GÜL, Ege University Jim HANCOCK, Michigan State University Nasser MAHNA, University of Tabriz Bryan M. JENKIS, California University Peter KISS, Szent Istvan University Ali İhsan ACAR, Ankara University Hristo I. BELOEV, Ruse University Necdet DAĞDELEN, Adnan Menderes University Ünal KIZIL, Çanakkale Onsekiz Mart University Manzoor QADIR, United Nations University Mohammad T. SATTARI, University of Tabriz Erol BAYHAN, Dicle University Mammadova TURANE, Azerbaijan State Agrarian University Mammadova AYTEKİN, Azerbaijan State Agricultural University Gamze SANER, Ege University Mariana IVANOVA, Agribusiness and Rural Development University Alberto POMPO, El Colegio de la Frontera Norte Eugenia BEZIRTZOĞLOU, Thrace University Muhammet ARICI, Yıldız Teknik University Songül ÇAKMAKÇI, Atatürk University Nermina SPAHO, Sarajevo University Tuğrul GİRAY, Puerto Rico University Mehdi RAHİMİ, Graduate University of Advanced Technology M.Rüştü KARAMAN, Afyon Kocatepe University Josef GORRES, Vermont University Christina YANCHEVA, Agriculture University Cafer Sırrı SEVİMAY, Ankara University Abdurrahim Tanju GÖKSÖY, Bursa Uludağ University Nurettin TAHSİN, Agriculture University János PAUK, Szent István University Ramazan DOĞAN, Bursa Uludağ University Gürsel DELLAL, Ankara University Horia GROSU, Agr. Sciences and Veterinary Medicine University Türker SAVAŞ, Çanakkale Onsekiz Mart University Ignacy MISZTAL, Breeding and Genetics University Zlatko JANJEČIĆ, Zagreb University
Language Editor	Merve AYDOĞDU ÇELİK, Tekirdag Namik Kemal University
Statistics Editor	İsmet BAŞER, Tekirdag Namik Kemal University

jotaf



jotaf

Journal of Tekirdağ
Agricultural Faculty

Tekirdağ Ziraat Fakültesi Dergisi



ISSN:1302-7050

e-ISSN:2146-5894

Yayın Tarihi / Publication Date

Ocak / January 2024

Yayıncı/Publisher

Tekirdağ Namık Kemal Üniversitesi, Ziraat Fakültesi
Tekirdağ Namık Kemal University, Faculty of Agriculture

Yayın Türü/Type of Publication

Uluslararası Süreli Yayın/International Periodical

Yayın Dili/Type of Language

Türkçe ve İngilizce /Turkish and English

Yayın Periyodu/Publishing Period

Dört ayda bir Ocak, Mayıs ve Eylül aylarında yayımlanır
Triannual (January, May & September)

Tarandığı İndeksler/Indexed by

ESCI
TR DİZİN
ULAKBİM-Ulusal Akademik Ağ ve Bilgi Merkezi)
SCOPUS
AGRIS/CARIS (FAO-AGRIS veri tabanı)
CABI
EBSCO
ProQuest

İletişim/Correspondence

Tekirdağ Namık Kemal Üniversitesi, Ziraat Fakültesi

Telefon

+90 282 250 20 00/22 03

Web

<http://jotaf.nku.edu.tr>
(jotaf-en.nku.edu.tr)
dergipark.org.tr/tr/pub/jotaf
(dergipark.org.tr/en/pub/jotaf)

Elektronik posta/E-mail

ziraatdergi@nku.edu.tr
dboyraz@nku.edu.tr

Journal of Tekirdağ Agricultural Faculty, Tekirdağ Namık Kemal Üniversitesi Ziraat Fakültesi' nin ulusal, uluslararası ve hakemli dergisidir.
Yayımlanan makalelerin sorumluluğu yazarına/yazarlarına aittir.

Journal of Tekirdag Agricultural Faculty is the official peer-reviewed, international journal of Tekirdağ Namık Kemal University
Agricultural Faculty. Authors bear responsibility for the content of their published articles.

jotaf



İçindekiler / Contents

Araştırma Makaleleri / Research Articles

- Ayçiçeği Küspesinin Katalizörlü ve Katalizörsüz Koşullarda Hızlı Pirolizinin Ürün Verimleri ve Özelliklerine Etkisi..... 1-14
Sabriye SARIOĞLU, Türkan AKTAŞ
- The Effects of Silver Nitrate and Pre-Cold Treatments on Callus Formation in Strawberry Anther Culture..... 15-23
Sevinç ŞENER, Ayşe Gül NASIRCILAR, Ahmet KARAÇAN
- Effect of NaCl-induced Salt Stress on Germination and Initial Seedling Growth of *Lotus corniculatus* L. cv. 'Leo'..... 24-34
Ramazan BEYAZ
- Influence of Carbon Source, Nitrogen and PEG on Caffeic Acid Derivatives Production in Callus Cultures of *Echinacea purpurea* L. 35-45
Münüre TANUR ERKOYUNCU, Mustafa YORGANCILAR
- Efficiency of GNSS-based Tractor Auto Steering for the Uniformity of Pass-to-Pass Plant Inter-Row Spacing 46-63
Mustafa TOPCUERI, Muharrem KESKIN, Yunus Emre SEKERLI
- Measuring the Progress of Organic Farming in Indian States: Are There any Agro-Climatic Implications?..... 64-80
Nilojyoti KONER, Arindam LAHA
- Chemical Properties and Antioxidant Activity of Different Extracts from Purslane (*Portulaca Oleracea* L.)..... 81-93
Eyad AOUDEH, İhsan Güngör ŞAT, Halil İbrahim BİNİCİ
- The Relationship between Agriculture and Carbon Dioxide Emission in Türkiye: A Non-Linear Evidence..... 94-110
İbrahim ÜRKMEZ, Ahmet SEVİM, Abdurrahman Nazif ÇATIK
- Carbon and Nitrogen Stocks of Olive Orchard Soils in Izmir Province 111-124
Aise DELİBORAN
- Analysis of Factors Affecting Corn Seed Preferences of Producers: Case of Sakarya Province, Turkey..... 125-138
Yakup NOGAY, Mecit Ömer AZABAĞAOĞLU
- Determination of Important Agricultural Traits of Some Soybean (*Glycine max* (L.) Merr.) Genotypes and Adaptation in the Eastern Mediterranean Transition Zone 139-147
Mustafa YILMAZ
- Vegetable Losses and Waste Along the Supply Chain and Farmers' Willingness to Pay for Recycling: Towards to Green Supply Chain 148-165
Selime CANAN, Ebru Nur ULUIŞIK
- Hazro İlçesi (Diyarbakır) Bağ Alanlarında Salkım Güvesi [*Lobesia botrana* (Denis & Schiffermüller) (Lepidoptera: Tortricidae)]' nin Ergin Popülasyon Değişimi ve Bulaşma Oranının Belirlenmesi 166-176
Ramazan SERMEN, Mehmet KAPLAN
- Effects of Deficit Irrigation to Some Bio – Active Compounds, Quality Traits and Grain Yield in Maize..... 177-188
Elif ÖZDEMİR, Bayram SADE
- Küçük Menderes Havzası'nda Meteorolojik Kuraklık Projeksiyonları: Havza Ölçeğinde Zamansal ve Mekânsal Bir Değerlendirme 189-205
Yıldız GÜNEY
- First Report of Natural Infection of Watermelon Mosaic Virus (WMV) Infecting Bottle Gourd and Snake Melon..... 206-218
Abdullah GÜLLER, Mustafa USTA, Gülüstan KORKMAZ, Serap DEMİREL



jotaf

Journal of Tekirdag
Agricultural Faculty

Tekirdağ Ziraat Fakültesi Dergisi



ISSN:1302-7050

e-ISSN:2146-5894

Cilt / Volume 21

Sayı / Issue 1

Ocak / January 2024

İçindekiler / Contents

Araştırma Makaleleri / Research Articles

- Hasat Sonrası Farklı Depolama Koşullarının Biyolojik Malzeme Üzerine Olası Etkilerin Belirlenmesi:
Soya Örneği..... 219-232
Yasemin VURARAK
- Defining of Some Morphological Characteristics in order to Determine the Infrastructure of Conservation
Strategies of Indigenous Cattle for Designing Sustainable Methods and Conservation of Biodiversity: Eastern
Anatolian Red Example Reared Under Ex-Situ Conditions in Türkiye..... 233-245
Sadrettin YÜKSEL, Alpay KARAÇUHALILAR
- In vitro Micropropagation of Immortelle Grass (*Helichrysum italicum* (ROTH) G. DON) 246-255
İbrahim UZ, Şeyda SAVALAN
- Evaluation of Urban Farming System Sustainability in Central Province of Jakarta, Indonesia 256-264
Rini FITRI, Achmad Yozar PERKASA, Hinijati WIDJAJA, Olivia SEANDERS, Reza FAUZI
- A Comparative Study of *Bacillus* Spp. Isolated from Various Sources and Commercial Food Supplements and
Evaluation of Some Probiotic Properties..... 265-276
Burcu KAHRAMAN, Burcu Mine ŞENOL, Enes DERTLİ, Muhammet ARICI
- Entegre Zararlı Yönetimi Programlarında Kullanılacak Bitki Koruma Ürünlerinin Risk
Değerlendirmesi ve Seçimi..... 277-284
Cem ERDOĞAN

jotaf