



INTERNATIONAL JOURNAL OF

Innovative Approaches in Agricultural Research

2602 - 4772

IJIAAR

Uluslararası Tarım Arařtırmalarında
Yenilikçi Yaklařımlar Dergisi

Volume 7 Issue 3, September 2023

10.29329/ijjaar.2023.602

ijjaar.penpublishing.net

IJIAAR

Uluslararası Tarım Arařtırmalarında Yenilikçi Yaklaşımlar Dergisi

International Journal of Innovative Approaches in Agricultural Research

e-ISSN: 2602-4772

Dergi Hakkında;

Uluslararası Tarım Arařtırmalarında Yenilikçi Yaklaşımlar Dergisi (IJIAAR) ziraat bilimleri alanında bilimsel kurallara uygun arařtırmaları yayınlayan açık erişimli ve uluslararası hakemli bir dergidir. IJIAAR güncel tarım arařtırmaları üzerine yenilikçi bakış açısı getiren çalışmalara öncelik vermeyi amaçlamaktadır. Bilimsel bir dille yazılmış ampirik, teorik ve kavramsal makaleleri dikkate almaktadır. Dergi İngilizce makaleleri kabul etmektedir. Mart, Haziran, Eylül ve Aralık aylarında olmak üzere yılda 4 sayı olarak yayınlanmaktadır.

Uluslararası Tarım Arařtırmalarında Yenilikçi Yaklaşımlar Dergisi'nde yayınlanan tüm makalelerin bilimsel etik ve hukuki sorumluluğu yazarlara, yayın hakları ise Uluslararası Tarım Arařtırmalarında Yenilikçi Yaklaşımlar Dergisi'ne aittir. Yayıncının izni olmadan hiç bir çalışmanın bir kısmı veya tamamı başka mecralarda yayınlanamaz.

About Journal;

The International Journal of Innovative Approaches in Agricultural Research (IJIAAR) is a peer reviewed journal that publishes research on scientific principles in the field of agricultural research. IJIAAR aims to give priority to studies that bring an innovative perspective on current agricultural problems. Empirical, theoretical and conceptual articles of significant originality will be considered. The journal is publishes articles in English. IJIAAR is published as four times a year in March, June, September and December.

Scientific ethical and legal responsibility of all the manuscript published in the journal belongs to the authors and publishing rights belong to the journal. Without permission from the publisher, some or all of any work can not be published in other journals.



IJIAAR

Uluslararası Tarım Arařtırmalarında Yenilikçi Yaklařımlar Dergisi
International Journal of Innovative Approaches in Agricultural Research

Volume 7 Issue 3, September 2023

ijjaar.penpublishing.net

<https://doi.org/10.29329/ijjaar.2023.602>

Owner & Publisher

Pen Academic Publishing™

THDSOft Tayfun Tařbilek

Çanakkale Teknopark Yerleřkesi, Sarıcaeli / Çanakkale / Türkiye

www.penpublishing.net | info@penpublishing.net



Editor

Prof. Dr. Yalçın KAYA
Trakya University, Türkiye

Associate Editor

Prof. Dr. Villiana VASSILEVA
Pleven Forage Crops Institute, Bulgaria

Language Editor Statistics Editor

Prof. Dr. Saeed RAUF Asst. Prof. Dr. Necmi BESER
Muhammad Nawaz Sharief Agriculture University, Pakistan *Trakya University, Türkiye*

Section Editors

Field Crops Agronomy

Prof. Dr. Metin TUNA Prof. Dr. Ioannis TOKATLIDIS
Namık Kemal University, Türkiye *Trakia Democritus University, Greece*

Animal Science Horticulture

Prof. Dr. Sezen ARAT Prof. Dr. Nedim MUTLU
Namık Kemal University, Türkiye *Akdeniz University, Türkiye*

Plant Protection Food Science

Prof. Dr. Ahmet ULUDAĞ Prof. Dr. Aziz TEKİN
Canakkale Onsekiz Mart University, Türkiye *Ankara University, Türkiye*

Soil and Water Science Agricultural Biotechnology

Assoc. Prof. Dr. Ina ZIVATKAUSKIENE Assoc. Prof. Dr. Semra HASANCEBI
University of Applied Sciences, Lithuania *Trakya University, Türkiye*

Editorial Review Board

- Prof. Dr. David BALTENSPERGER *Texas A&M University, United States* Prof. Dr. Miguel CANTAMUTTO *INTA Hilario Ascasubi Institute, Argentina*
- Prof. Dr. Mehmet Emin CALISKAN *Omer Halisdemir University, Türkiye* Prof. Dr. Necmettin CEYLAN *Ankara University, Türkiye*
- Prof. Dr. Nurhan TURGUT DUNFORD *Oklahoma State University, United States* Prof. Dr. Can ERTEKIN *Akdeniz University, Türkiye*
- Prof. Dr. Coskun GULSER *Ondokuzmayis University, Türkiye* Prof. Dr. Hulya ILBI *Ege University, Türkiye*
- Prof. Dr. Mehmet INAN *Akdeniz University, Türkiye* Prof. Dr. Zhao JUN *Inner Mongolia Agricultural University, China*
- Prof. Dr. Kamil HALILOGLU *Erzurum University, Türkiye* Prof. Dr. Renata HORN *University of Rostock, Germany*
- Prof. Dr. Irina MITROFANOVA *Nikita Botanical Gardens, Russia* Prof. Dr. Abdul Halim ORTA *Namık Kemal University, Türkiye*
- Prof. Dr. Hayrettin OKUT *Kansas University, United States* Prof. Dr. Dejana PANKOVIC *Educon University, Serbia*
- Prof. Dr. Hazir POLLOZHANI *State University of Tetovo, Northern Macedonia* Prof. Dr. Velibor SPALEVIC *University of Montenegro, Montenegro*
- Prof. Dr. Mulpuri SUJATHA *Indian Institute of Oilseeds Research, India* Prof. Dr. Mustafa TAN *Trakya University, Türkiye*
- Prof. Dr. Ilhan TURGUT *Uludag University, Türkiye* Prof. Dr. Ahu ALTINKUT UNCUOGLU *Marmara University, Turkey*
- Prof. Dr. Bulent UZUN *Akdeniz University, Türkiye* Prof. Dr. Dan-Marius VOICILAS *Institute of Agricultural Economics, Romania*
- Assoc. Prof. Dr. Nooduan MUANGSAN *Suranaree University of Technology, Thailand* Assoc. Prof. Dr. Natiga NABIYEVA *Genetic Resources Institute of NAS, Azerbaijan*
- Assoc. Prof. Dr. Mauricio PENARRIETA *Universidad Mayor de San Andrés, Bolivia* Asst. Prof. Dr. Mehdi GHAFARI *Seed and Plant Improvement Institute, Iran*

PEN Academic Director

Dr. Ulaş Yabanova
Çanakkale Onsekiz Mart University, Türkiye



Indexing/Abstracting

1. **TRDizin** - ULAKBİM - <https://app.trdizin.gov.tr>
2. **Agricultural Science and Technology (AGRIS)** – FAO - <https://www.fao.org>
3. **Advanced Science Index** - <http://journal-index.org>
4. **ASOS Index** - <https://asosindex.com.tr>
5. **Bielefeld Academic Search Engine BASE** - <https://www.base-search.net>
6. **Cite Factor** - <http://www.citefactor.org>
7. **Cosmos** - <http://cosmosimpactfactor.com>
8. **Crossref** - <https://search.crossref.org>
9. **Dimensions** - <https://app.dimensions.ai>
10. **Directory of Research Journals Indexing** - <http://olddrji.lbp.world>
11. **Electronic Journals Library (EZB)** - <http://ezb.uni-regensburg.de>
12. **Eurasian Scientific Journal Index** - <http://esjindex.org>
13. **EuroPub** - <https://europub.co.uk>
14. **German Union Catalogue of Serials (ZDB)** - <https://zdb-katalog.de>
15. **Google Scholar** - <https://scholar.google.com.tr>
16. **Index Copernicus World List** - <https://journals.indexcopernicus.com>
17. **IPIndexing** - <http://ipindexing.com>
18. **Journal Factor** - <http://www.journalfactor.org>
19. **Lens** - <https://www.lens.org>
20. **LibsKey** - <https://libkey.io>
21. **OpenAIRE** - <https://explore.openaire.eu>
22. **Open Ukrainian Citation Index** - <https://ouci.dntb.gov.ua>
23. **ResearchBib** - <http://journalseeker.researchbib.com>
24. **ResearchGate** - <https://www.researchgate.net>
25. **ROAD Directory of Open Access Scholarly Resources** - <https://portal.issn.org>
26. **Root Society for Indexing and Impact Factor Service** - <https://www.rootindexing.com>

27. Scholar Article Journal Index - <https://www.scholarimpact.org>
28. ScienceGate Academic Search Engine - <https://www.sciencegate.app>
29. Scientific Indexing Services (SIS) - <http://www.sindexs.org>
30. Scientific Journal Impact Factor - <http://sjifactor.com>
31. Scilit - <https://www.scilit.net>
32. SciMatic - <https://scimatic.org>
33. Scite_ - <https://scite.ai>
34. Semantic Scholar - <https://www.semanticscholar.org>
35. UnpayWall - <https://unpaywall.org>
36. WorldCat - <https://www.worldcat.org>

Table of Contents

Page	Original article
252	New Emerging Technique to Intensify Convective Air Drying Process: Impact of Interval Starting Accessibility Drying (ISAD) on Quality Attributes of Strawberries Fruits Wafa Hajji & Sihem Bellagha

Page	Original article
260	Investigation of Pasta Consumption Habits in Türkiye Rahmi Taşcı, Sevinç Karabak, Belma Özercan, Merve Bolat, Serhan Candemir, Asuman Kaplan Evlice, Selda Arslan & Goncagül Sarı

Page	Original article
280	Determination of the Effectiveness of Some Fungicides on Botrytis cinerea, the Causative Agent of Grapevine Gray Mold Disease Ayşe Kaya & Fatih Mehmet Tok

Page	Original article
298	Application of Mobile Fluorescence Spectroscopy as a Method in the Determination of Varietal Differences in Lettuce (<i>Lactuca Sativa</i>) Seeds Vanya Slavova

Page	Original article
307	Effect of Selected Conservation Tillage Practices on Soil Moisture Content and Sorghum Yield under Rainfed Conditions on Sandy Loam Soil Ayman Hassan Sulıman Khalil Ayman

Page	Original article
317	Application of Mobile Fluorescence Spectroscopy as a Method in the Determination of Varietal Differences in Parsley (<i>Petroselinum Crispum</i>) Seeds Vanya Slavova

Page	Original article
325	Response of Congo Grass (<i>Brachiaria ruziziensis</i> L. Germain and Evard) to Nitrogen Fertilization on an Oxisol in Western Highlands Agro-ecological Zone of Cameroon Honore Beyegue Djonko, Marie Amperes Bedine Boat, Antoine Egoume Guissana, Edmond Vilmorin Ewane Kueptoudji, Jean Pierre Mvondo-Awono & Tankou Christopher

Page	Original article
336	In Rural Areas Internet Connection Problems and Solution Recommendations Experienced in The Process of Using Smart Agriculture Methods in Olive Farming Hande Uçar Özkan, Muzaffer Kerem Savran, Serkan Kaptan, İzzet Sağlam & Canan Vardar Kor

Page
347

Original article
Annual Monitoring Programme of European Red Wood Ants Distributed in Yildiz (Stranjha) Mountains
Özge Gemik & Yılmaz Çamlıtepe

Page
356

Review article
Microsatellite Markers: The Efficient Method for the Determination of Pollen Contamination in Conifer Seed Orchards
Behiye Banu Bilgen & Nuray Kaya

Page
371

Review article
A Review about A Significant Source of Bioactive Compounds: Microalgae
Hilal Soyocak, Dilara Kızılkaya & Nebahat Şule Üstün
