
EDİTÖR KURULU / EDITORIAL BOARD

EDİTÖR / EDITOR

Doç. Dr. Seyithan SEYDOŞOĞLU / Assoc. Prof. Dr. Seyithan SEYDOŞOĞLU

Siirt Üniversitesi, Ziraat Fakültesi, Tarla Bitkileri Bölümü / Siirt University, Faculty of
Agriculture, Department of Field Crops

Editör Yardımcısı / Associate Editor(s)

Doç. Dr. Hamdiye ARDA SÜRÜCÜ / Assoc. Prof. Dr. Hamdiye ARDA SURUCU

Dicle Üniversitesi Atatürk Sağlık Yüksekokulu, Hemşirelik Bölümü / Dicle University,
Ataturk School of Health, Nursing Department

BİLİMSEL DANIŞMA KURULU / EDITORIAL ADVISORY BOARD

Prof. Dr. Oksana SYTAR

Taras Shevchenko National University of Kyiv

Prof. Dr. Ali BİLGİLİ

Ankara Üniversitesi

Prof. Dr. M. Shohidul ISLAM

Hajee Mohammad Danesh Science and Technology University

Prof. Dr. Disna RATNASEKERA

University of RuhunaSri Lanka

Doç. Dr. Arda AYDIN

Çanakkale 18 Mart Üniversitesi

Doç. Dr. Ahmet ÇELİK

Adiyaman Üniversitesi

Doç. Dr. Korkmaz BELLİTÜRK

Namık Kemal Üniversitesi

Doç. Dr. Mehmet DEMİREL

Adiyaman Üniversitesi

Doç. Dr. Fatih ÇIĞ

Siirt Üniversitesi

Dr. Öğr. Üyesi Murat DOĞRUYOL

Siirt Üniversitesi

Dr. Öğr. Üyesi Yusuf BAŞOĞUL

Adiyaman Üniversitesi

Dr. Öğr. Üyesi Betül UYAR

Dicle Üniversitesi

Dr. Muhammad Ali Raza

Sichuan Agricultural University

Dr. Muhammad Habib Ur Rahman

University Bonn

Dr. Muhammad Aamir Iqba

University of the Poonch Rawalakot

Dr. Öğr. Üyesi Ali İhsan KARA

Adiyaman Üniversitesi

Dr. Öğr. Üyesi Gurbet ÖRÇEN
Dicle Üniversitesi

Dr. Öğr. Üyesi Ceyda BAŞOĞUL
Adiyaman Üniversitesi

Dr. Akbar HOSSAIN
Bangladesh Wheat and Maize Research Institute

Dr. Shah FAHAD
The University of Swabi

Dr. Arpna KUMARI
Department of Botanical and Environmental Sciences Guru Nanak Dev University

ÜRÜN BİLGİSİ / PRODUCT INFORMATION

Dergi Kapsamı: MAS Journal of Applied Sciences, IKSAD tarafından yayınlanan açık erişimli, Uluslararası hakemli ve indeksli bir dergidir. Temel amacımız uluslararası akademisyenler için entelektüel bir platform sağlamaktır. Matematik, Mühendislik, Sağlık ve Doğa bilimleri alanlarında disiplinler arası çalışmaları teşvik etmeyi ve bu alanda önde gelen dergi olmayı hedefliyoruz.

Scope of the Journal: MAS Journal of Applied Sciences is an open access, internationally refereed and indexed journal published by IKSAD. Our main goal is to provide an intellectual platform for international academics. We aim to encourage interdisciplinary studies in the fields of Mathematics, Engineering, Health and Natural sciences and to become the leading journal in this field.

Yayınlayan / Publisher	IKSAD / IKSAD
Yayın Dili / Language	Türkçe-İngilizce-Rusça / Turkish-English-Russian
Basım Tarihi / Date of Publication	10/06/2021
Yayım Aralığı /Frequency	Yılda dört kez (Mart-Haziran-Eylül-Aralık) yayınlanır. Published four times a year (March-June-September December)



Tarandığı İndeksler / Indexed and
Abstracted in



İÇİNDEKİLER / CONTENTS

The Results of Mutations Made with Specific Ems Dose on Chickpea (*Cicer arietinum* L.) Germination Properties

Remzi ÖZKAN, Merve BAYHAN, Muhammet ÖNER, Levent YORULMAZ, Cuma AKINCI.....234

Determination of Karyological Properties of Different Buckwheat (*Fagopyrum esculentum* Moench) Varieties

Osman GEDİK, Ömer Süha USLU.....240

Determination of Some Spike and Yield Properties of Characteristics of Tir Wheat (*Triticum aestivum* var. *aestivum* L. spp. *leucospermum* Körn.) Grown In Van Province
Münir ÖZDEMİR, Erol ORAL.....247

Determination of Mineral Content of Herbage of Some Triticale (x *Triticosecale* Wittm.) Varieties

Ömer Süha USLU, Ali Rıza DEMİRKIRAN, Mahmut TEPECİK, Ali Rıza ONGUN, Zehra DEMİR, Nurcan YOLDAŞ, Büşra KAFKAS.....263

Effects Of The Mixture Rates of Italian Ryegrass (*Lolium multiflorum* L.) and Berseem Clover (*Trifolium alexandrinum* L.) On The Forage Yield And Yield Components

Tahir POLAT, İsmail ÇOBAN, Mustafa OKANT.....273

Determination of Some Physical Characteristics of Pellets Obtained From Sweet Sorghum Bagasse Grown Cukurova Condition

Mahmut DOK, Ayşegül E. ÇELİK, Mine AKSOY, Celal YÜCEL.....284

Carbon Foot Print Evaluation of an Industrial Enterprise Producing Flour: A Case study of Adiyaman Province

Yusuf BAŞOĞUL, Taha Tuna GÖKSU.....296

**Evaluation of Sweet Sorghum Bagasse as an Alternative Feed Resource for Livestock in
Semi Arid Regions**

Timucin TAS, Celal YUCEL, Feyza DONDU GUNDEL, Abdullah OKTEM, I. Halil CETINER.....303

**Determination of Nutrition Status of Quince (*Cydonia oblonga* MILL.) Gardens By Leaf
Analysis in Geyve District, Sakarya**

Ahmet Çağlar MUMCUOĞLU, Korkmaz BELLİTÜRK.....312

Crop Production and Yield Limiting Factors

Abdulgani DEVLET.....325

A Look to the Worlds 6th Biggest Seed Market: INDIA

Bedirhan SARİKURT.....350

**Theoretical Analysis of Energy Potential of Vegetable Waste (A case study in Tokat
Province)**

M. Fırat BARAN, Emine KÜÇÜKER.....358

**Investigation of Turf Performances of Different Turfgrass Mixtures Options in the
Mediterranean Climate**

Emral GÜLÇEK, Rukuye AYLAZ365

Determining the Mutagenic Effects of Olive Oil Mill Effluent using the Ames Test

Ferhan KORKMAZ, Cansu POLAT-DEMİREL.....380

**New Art Communication in The Digital World and Market Insights in The Context of
Consumption Culture**

Semih YILDIRIM.....388

**The Concept of Sustainability in the Construction Sector and Evaluation of the Score
Criteria of the Leed Certified Mall of Istanbul Project**

Ceren AKBAY, Sepanta NAİMİ.....406

Design Of Hvac Duct For Electric Bus And Flow Analysis With Cfd Methodİsmail
Elshad VALIYEV, Vahdet UÇAR.....422

**Evaluation of The Performance of An Existing Reinforced Concrete Grandstand
According To Tbdy 2019**

Mehmet Fatih ALTAN, Osman KAYA, İsmail Çağatay TURNA.....433

Assessment of Water Resources Management in Afghanistan

Mahmood SALEHI, Sepanta NAİMİ.....446

Overview of Criteria to be Considered in Sustainable Building Design

Jamshid QASEMI.....461

**C-reactive Protein, Urea, Creatinin and Total Protein Concentrations in Canine
Leishmaniasis**

Necmettin AKTEPE, Arif ALTINTAŞ.....470

**Clinical Decision Making, Problem Solving and Autonomy for Nursing Students
Attending an Internship Training Program: A Comparative Study**

Hamdiye ARDA SÜRÜCÜ, Dilek BÜYÜKKAYA BESEN, Özlem KÜÇÜKGÜCLÜ.....481