



MEHMET ARSLAN

PROF.

Email : mehmetarslan@akdeniz.edu.tr

Office Phone : [+90 242 310 6501](tel:+902423106501) Extension: 6501

Fax Phone : [+90 242 227 4564](tel:+902422274564)

International Researcher IDs

ORCID: 0000-0002-2197-4969

Publons / Web Of Science ResearcherID: C-1111-2016

Yoksis Researcher ID: 200886



Learning Knowledge

Doctorate
2004 - 2008

Akdeniz University, Institute of Science, Tarla Bitkileri , Turkey

Postgraduate
2001 - 2003

Akdeniz University, Institute of Science, Trala Bitkileri , Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Mısır (Zea mays) ve sorgumun (Sorghum bicolor) farklı bitkilerle birlikte yapılan silajlarının karşılaştırılmaları, Akdeniz University, Fen Bilimleri Ens., Tarla Bitkileri, 2008

Postgraduate, FARKLI ÇİM TÜR VE ÇEŞİTLERİNİN ANTALYA İLİ SAHİL KOŞULLARINDA ADAPTASYON YETENEKLERİNİN VE PERFORMANSLARININ BELİRLENMESİ, Akdeniz University, Fen Bilimleri Ens., Tarla Bitkileri, 2003

Academic Titles / Tasks

Professor
2024 - Continues

Akdeniz University, Faculty Of Agriculture, Department Of Field Crops

Associate Professor
2018 - Continues

Akdeniz University, Faculty of Agriculture, Department of Field Crops

Assistant Professor

2018 - 2018

Akdeniz University, Faculty of Agriculture, Department of Field Crops

Assistant Professor

2014 - 2018

Akdeniz University, Faculty of Agriculture, Department of Field Crops

Assistant Professor

2012 - 2014

Akdeniz University, Gazipaşa Mustafa Rahmi Büyükbali Meslek Yüksekokulu

Published journal articles indexed by SCI, SSCI, and AHCI

- Assessment of drought tolerance of sesame germplasm with agronomic and quality traits**
Qureshi M., ARSLAN M., Golukcu M., Bera S. K., UZUN B., YOL E.
Crop Science, vol.63, no.5, pp.2763-2777, 2023 (SCI-Expanded)
- Diversity for Fatty Acid and Organic Acid Contents in Mutant Grass Pea (*Lathyrus sativus* L.) Genotypes**
ARSLAN M., Gökkaya T. H., Çetin E. D., ERKAYMAZ T., YOL E.
Legume Research, vol.46, no.5, pp.541-547, 2023 (SCI-Expanded)
- FATTY ACID CONTENTS IN GRASS PEA ELITE LINES GROWN IN DIFFERENT ENVIRONMENTS**
ARSLAN M., Gokkaya T. H., ERKAYMAZ T., YOL E., Türk M.
TURKISH JOURNAL OF FIELD CROPS, no.1, pp.94-101, 2023 (SCI-Expanded)
- Disentangling the Genetic Diversity of Grass Pea Germplasm Grown under Lowland and Highland Conditions**
Arslan M., Yol E., Türk M.
Agronomy, vol.12, no.10, 2022 (SCI-Expanded)
- Development and characterization of ethyl methane sulfonate (EMS) induced mutant population of grass pea with yield, quality and forage traits**
Arslan M., Doğan E., Yol E.
EMIRATES JOURNAL OF FOOD AND AGRICULTURE, vol.34, no.6, pp.528-536, 2022 (SCI-Expanded)
- Advantage of Multiple Pods and Compound Leaf in Kabuli Chickpea under Heat Stress Conditions**
Eker T., SARI H., Sari D., ÇANCI H., ARSLAN M., AYDINOĞLU B., Ozay H., TOKER C.
AGRONOMY-BASEL, vol.12, no.3, 2022 (SCI-Expanded)
- AGRO-MORPHOLOGICAL PERFORMANCE OF GRASS PEA (*LATHYRUS SATIVUS* L.) GENOTYPES WITH LOW B-ODAP CONTENT GROWN UNDER MEDITERRANEAN ENVIRONMENTAL CONDITIONS**
Aksu E., Dogan E., ARSLAN M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.30, no.1, pp.638-644, 2021 (SCI-Expanded)
- Genotyping of Low beta-ODAP Grass Pea (*Lathyrus sativus* L.) Germplasm with EST-SSR Markers**
ARSLAN M., BASAK M., Aksu E., UZUN B., YOL E.
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.63, 2020 (SCI-Expanded)
- EFFECTS OF SALINITY STRESS ON THE GROWTH CHARACTERISTICS OF FOUR TURFGRASS SPECIES**
KEYIKOGLU R., Aksu E., ARSLAN M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, no.4, pp.2942-2948, 2019 (SCI-Expanded)
- EFFECT OF SEED COATING ON GERMINATION, EMERGENCE AND EARLY SEEDLING GROWTH IN ALFALFA (*MEDICAGO SATIVA* L.) UNDER SALINITY CONDITIONS**
Bicakci T., Aksu E., ARSLAN M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.10, pp.6978-6984, 2018 (SCI-Expanded)
- Diversity for vitamin and amino acid content in grass pea (*Lathyrus sativus* L.)**

- ARSLAN M.
LEGUME RESEARCH, vol.40, no.5, pp.803-810, 2017 (SCI-Expanded)
12. **VARIATION OF SOME SEED TRACE ELEMENT CONTENTS IN GRASS PEA (LATHYRUS SATIVUS L.) GENOTYPES FROM TURKEY**
ARSLAN M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.5, pp.3676-3684, 2017 (SCI-Expanded)
13. **beta-N-oxalyl-L-2,3-diaminopropionic acid, L-homoarginine, and asparagine contents in the seeds of different genotypes Lathyrus sativus L. as determined by UHPLC-MS/MS**
ARSLAN M., OTEN M., ERKAYMAZ T., TONGUR T., Kilic M., Elmasulu S., CINAR A.
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, vol.20, 2017 (SCI-Expanded)
14. **FARMYARD MANURE USAGE MITIGATES THE HARMFUL EFFECT OF NaCl ON GERMINATION AND SEEDLING GROWTH OF SILAGE MAIZE (ZEA MAYS L.)**
ARSLAN M., Citak S.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.5, pp.1544-1549, 2016 (SCI-Expanded)
15. **Effects of NaCl concentrations on germination and early seedling growth of silage sorghum (Sorghum bicolor (L.) Moench) varieties on different textured soils**
ARSLAN M., Erdurmus C., Cakmakci S.
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.11, no.2, pp.474-476, 2013 (SCI-Expanded)

Articles Published in Other Journals

1. **Damage Mitigating Effects Of Salicylic Acid On Some Growth Parameters Of Maize Cultivars (Zea Mays L.) Exposed To Salinity Conditions**
Arslan M., Gökkaya T. H.
Kırşehir Ahi Evran Üniversitesi Ziraat Fakültesi Dergisi, vol.3, no.2, pp.255-269, 2023 (Peer-Reviewed Journal)
2. **Exogenous Salicylic Acid Application During Germination of Silage Maize (Zea mays L.) Exposed to PEG-Induced Drought Condition**
Arslan M., Gökkaya T. H.
Turkish Journal of Range and Forage Science, vol.4, no.1, pp.43-52, 2023 (Peer-Reviewed Journal)
3. **Germination and Growth Parameters in Sorghum Cultivars (Sorghum bicolor L.) Effected by Boron Application Under Salinity Stress**
GÖKKAYA T. H., ARSLAN M.
Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.26, no.3, pp.629-638, 2023 (Peer-Reviewed Journal)
4. **The Boron Application Effects on Germination and Seedling Parameters of Sorghum Cultivars [Sorghum bicolor(L.) Moench] in Drought**
Arslan M., Gökkaya T. H.
Yuzuncu Yil University Journal of Agricultural Sciences, vol.33, no.1, pp.140-149, 2023 (Scopus)
5. **Some Free Amino Acid Contents in the Seeds from Mutant Grass Pea Genotypes**
Arslan M., Gökkaya T. H., Doğan Çetin E., Erkaymaz T., Yol E.
TURKISH JOURNAL OF AGRICULTURAL AND NATURAL SCIENCE, vol.9, no.4, pp.885-891, 2022 (Peer-Reviewed Journal)
6. **Determination of Germination Characteristics of Covered Alfalfa (Medicago sativa L.) Seeds in Drought Stress Conditions**
Bicakci T., Aksu E., ARSLAN M.
JOURNAL OF TEKIRDAG AGRICULTURE FACULTY-TEKIRDAG ZIRAAT FAKULTESİ DERGİSİ, vol.17, no.2, pp.124-136, 2020 (ESCI)
7. **Küresel İklim Değişikliğinin Olumsuz Etkilerine Karşı Ümitvar Baklagiller Olarak Mürdümük (Lathyrus sativus L.) ve Burçak (Vicia ervilia L.)'ın Önemi**
ARSLAN M.

ADNAN MENDERES ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ, vol.16, no.1, pp.97-104, 2019 (Peer-Reviewed Journal)

8. **Kuraklık Stresine Tolerans Bakımından İki Mürdümük (*Lathyrus sativus* L.) Genotipinin Değerlendirilmesi**
ARSLAN M., Aksu E., Doğan E.
Türk Tarım ve Doğa Bilimleri Dergisi, vol.5, no.3, pp.261-267, 2018 (Peer-Reviewed Journal)
9. **Tuzluluk (NaCl) stresinin mürdümükde (*Lathyrus sativus* L.) çimlenme ve erken fide gelişme özelliklerine etkisi**
ARSLAN M., AYDINOĞLU B.
AKADEMİK ZİRAAT DERGİSİ, vol.7, no.1, pp.49-54, 2018 (Peer-Reviewed Journal)
10. **Tuzluluk (NaCl) Stresinin Mürdümükde (*Lathyrus sativus* L.) Çimlenme ve Erken Fide Gelişme Özelliklerine Etkisi**
ARSLAN M., AYDINOĞLU B.
AKADEMİK ZİRAAT DERGİSİ, vol.7, no.1, pp.49-54, 2018 (Peer-Reviewed Journal)
11. **Mısır (*Zea mays* L.) ile *Leucaena leucocephala* L. Bitkisinin Karıştırılmasıyla Hazırlanan Silajların Besin Değerinin Belirlenmesi**
Arslan M., Erdurmuş C., Öten M., Aydınoglu B., Çakmakçı S.
Ege Üniversitesi Ziraat Fakültesi Dergisi, vol.54, no.1, pp.101-106, 2017 (Peer-Reviewed Journal)
12. **Sorgum ve Bazı Bitkilerin Farklı Oranlarda Karışımlarından Hazırlanan Silajların Kalite Özellikleri**
ARSLAN M., Erdurmuş C., ÖTEN M., AYDINOĞLU B., ÇAKMAKÇI S.
Namık Kemal Üniversitesi Tekirdağ Ziraat Fakültesi Dergisi, vol.14, no.2, pp.34-41, 2017 (Peer-Reviewed Journal)
13. **Fatty acid characteristics of grass pea (*Lathyrus sativus*) in an East Mediterranean environment**
ARSLAN M.
COGENT CHEMISTRY, vol.3, 2017 (ESCI)
14. **Quality Charecteristics of Sorghum and Some Plants Silages Mixed at Different Rates**
ARSLAN M., Erdurmuş C., Oten M., AYDINOĞLU B., Cakmakci S.
JOURNAL OF TEKIRDAG AGRICULTURE FACULTY-TEKIRDAG ZIRAAT FAKULTESİ DERGİSİ, vol.14, no.2, pp.34-41, 2017 (ESCI)
15. **Defining free amino acid contents of grass pea (*Lathyrus sativus*) genotypes in Turkey**
ARSLAN M.
COGENT CHEMISTRY, vol.3, 2017 (ESCI)
16. **Mısır ile soyanın farklı oranlarda karıştırılmasıyla elde edilen silajlarda besin değerinin belirlenmesi**
ARSLAN M., Erdurmuş C., ÖTEN M., AYDINOĞLU B., ÇAKMAKÇI S.
Turkish Journal of Agricultural and Natural Science, vol.31, no.3, pp.417-422, 2016 (Peer-Reviewed Journal)
17. **Mısırın (*Zea mays* L.) Çayır Düğmesi (*Sanguisorba minor Scop*) ile Farklı Oranlarda Karıştırılmasıyla Hazırlanan Silajların Ham Besin Madde İçerikleri ve Kalite Özellikleri**
ARSLAN M., Erdurmuş C., ÖTEN M., AYDINOĞLU B., ÇAKMAKÇI S.
Türk Tarım ve Doğa Bilimleri Dergisi, vol.3, no.1, pp.98-104, 2016 (Peer-Reviewed Journal)
18. **Türkiye’de Yem Bitkileri Üretiminde Yaygın Mürdümüğün (*Lathyrus sativus* L.) Önemi ve Mevcut Durumu**
ARSLAN M.
Türk Tarım ve Doğa Bilimleri Dergisi, vol.3, no.1, pp.17-23, 2016 (Peer-Reviewed Journal)
19. **Tuz Stresinin Bitki Gelişimindeki Olumsuz Etkileri ve Bazı Yem Bitkilerinin Tuzluluk Toleransları**
ARSLAN M., ÇETİN S.
Ziraat Mühendisliği, no.360, pp.40-45, 2013 (Peer-Reviewed Journal)
20. **Mısır (*Zea mays*) ve sorgumun (*Sorghum bicolor*) farklı bitkilerle birlikte yapılan silajlarının karşılaştırılmaları**
ÇAKMAKÇI S., ARSLAN M.
Akdeniz Üniv. Ziraat Fak. Derg. vol.24, no.1, pp.47-53, 2011 (Peer-Reviewed Journal)
21. **Farklı Ekim Yöntemlerinin Fiğ (*Vicia sativa* L.) + İngiliz Çimi (*Lolium perenne* L.) Karışımlarının Ot Verimine Etkisi.**

ÇAKMAKÇI S., AYDINOĞLU B., ARSLAN M.

Akd. Üniv. Zir. Fak. Derg., vol.18, no.1, pp.107-112, 2005 (Peer-Reviewed Journal)

22. **Farklı Çim Tür ve Çeşitlerinin Antalya İli Sahil Koşullarında Adaptasyon Yeteneklerinin ve Performanslarının Belirlenmesi**

ÇAKMAKÇI S., ARSLAN M.

Akd. Üniv. Zir. Fak. Derg., vol.17, no.1, pp.31-42, 2004 (Peer-Reviewed Journal)

23. **Determination of Optimum Winter Sowing Date for Some Forage Species in Terms of Forage Yield of Rangelands in the Continental Climate Zones.**

ÇAKMAKÇI S., AYDINOĞLU B., ARSLAN M., ÖZYİĞİT Y., TETİK M., BİLGİN M.

Akd. Üniv. Zir. Fak. Derg., vol.17, no.1, pp.43-47, 2004 (Peer-Reviewed Journal)

24. **Burdur-Kemer ilçesi Akpınar yaylasında bitki ile kaplı alanın belirlenmesinde üç farklı ölçüm yönteminin kullanılması ve karşılaştırılması**

ÇAKMAKÇI S., AYDINOĞLU B., ÖZYİĞİT Y., ARSLAN M., Tetik M.

Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.15, pp.1-7, 2002 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

1. **Determination of Germination Characteristics of Covered Lolium perenne (L.) Seeds under Drought Stress**

Arslan M., Doğan Çetin E., Qureshi M.

III. International Agricultural, Biological & Life Science Conference, Edirne, Turkey, 1 - 03 September 2021, pp.892-896

2. **The Effect of Salt and Drought Stress on Germination and Early Seedling Growth of Lavandula stoechas Linn. Seeds.**

Elmasulu S., Çınar A., Kocabaş Oğuz I., Arslan M.

The 6th International Mediterranean Symposium on Medicinal and Aromatic Plants (MESMAP-6), İzmir, Turkey, 15 - 17 October 2020, pp.167-173

3. **THE IMPORTANCE OF PLANT GENETIC RESOURCES IN GLOBAL CLIMATE CHANGE CONDITIONS**

ARSLAN M., ELMASULU S., ÇINAR A.

The Turkey 6. Seed Congress with International Participation, Niğde, Turkey, 10 - 13 September 2018, pp.347

4. **MÜRDÜMÜK (Lathyrus sativus L.) GENOTİPLERİNDE YAPRAK Klorofil Yoğunluklarının (SPAD) Belirlenmesi**

Aksu E., Erdurmuş C., ARSLAN M.

The Turkey 6. Seed Congress with International Participation, Niğde, Turkey, 10 - 13 September 2018, pp.310

5. **Genetic diversity analysis of low beta-ODAP population of grass pea with SSR markers**

ARSLAN M.

European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280

6. **Effect of Coating on Germination Characteristics in Alfalfa (Medicago sativa L.) Under The Drought Conditions**

ARSLAN M., Bıçakçı T., Aksu E.

International Symposium Ecology-2018, Kastamonu, Turkey, 19 - 23 June 2018, pp.808

7. **An Analitical Approach to Salinity Problems of Coastal Turfgrass Areas**

ARSLAN M.

International Ecology 2018 Symposium, Kastamonu, Turkey, 19 - 23 June 2018, pp.563

8. **Forage Production from Annual Ryegrass (Lolium Multiflorum Lam.) in Turkey**

AYDINOĞLU B., ARSLAN M., ÇAKMAKÇI S.

I.International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.244

9. **Effect of Coating on Germination Characteristics in Alfalfa (Medicago Sativa L.) under the Salinity Conditions**

ARSLAN M., Bıçakçı T., Aksu E.

- I.International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.247
10. **The Importance of Grass Pea (Lathyrus Sativus L.) Rich in Nutrients as an Animal Feed**
ARSLAN M., ELMASULU S.
I.International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.246
11. **Öğretmenlik Meslek Etiğine İlişkin Öğretmen Görüşlerinin Belirlenmesi**
ARSLAN M., KARATAŞ S.
27. Uluslararası Eğitim Bilimleri Kongresi (ICES/UEBK-2018), Antalya, Turkey, 18 - 22 April 2018, pp.1309-1312
12. **Grasspea and β -ODAP determination studies in Turkey**
ARSLAN M.
III. Plant Breeding Congress, Girne, Turkey, 15 - 19 October 2017, pp.28
13. **Tohum Kaplama Tekniğinin Yem Bitkilerinde Kullanım Olanakları**
ARSLAN M.
12. Tarla Bitkileri Kongresi, Kahramanmaraş, Turkey, 12 - 15 September 2017, pp.203
14. **A valuable patrimony that is neglected at human nutrition: Grass Pea (Lathyrus sativus L.)**
ARSLAN M.
The International Symposium on Biodiversity and Edible Wild Species, Antalya, Turkey, 3 - 05 May 2017, pp.89
15. **Two Legumes Tolerant to Extreme Environmental Conditions: Lathyrus sativus L. ve Vicia ervilia L.**
ARSLAN M.
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016, pp.128
16. **Antalya Sahil Koşullarında Silajlık Sorgum Yetiştiriciliğinde Organik Gübrelemenin Etkisi**
ARSLAN M.
3. Ulusal Tarım Kongresi, Afyonkarahisar, Turkey, 5 - 08 October 2016, pp.1-6
17. **Fertility Bulding Crops: Legumes in Organic Farming**
ARSLAN M., Çıtak S.
ICAE 2016: 18th International Conference on Agricultural Engineering, Venice, Italy, 13 - 14 June 2016, pp.1321-1322
18. **Türkiye’de Organik Yem Bitkileri Tarımına Genel Bir Bakış**
ARSLAN M., Çıtak S.
Doğu Karadeniz 2. Organik Tarım Kongresi, Rize, Turkey, 6 - 09 October 2015, pp.488-491

Academic and Administrative Experience

2021 - 2022	Director of Vocational School	Akdeniz University, Serik Vocational School
2012 - 2016	Director of Vocational School	Akdeniz University, Gazipaşa M.R.B. Myo

Courses

Bitki Islahında Kalitatif ve Kantitatif Kalıtım, Postgraduate, 2022 - 2023
Tohumluk Bilimi ve Teknolojisi, Undergraduate, 2018 - 2019
Yeşil Alan Bitkileri, Undergraduate, 2018 - 2019

Advising Theses

Arslan M., MİKROBİYAL İÇERİKLİ TOHUM KAPLAMA PREPARATI İLE KAPLANAN YONCA(MEDİCAGO SATİVA L.) TOHUMLARININ KURAKLIK VE TUZ STRESİ KOŞULLARINDAÇİMLENME ÖZELLİKLERİNİN BELİRLENMESİ, Postgraduate,

T.BIÇAKCI(Student), 2019

Arslan M., MISIR (Zea mays L.) ve YONCA (Medicago sativa L.) BİTKİLERİNİN FARKLI ORANLARDA KARIŞTIRILMASIYLA ELDE EDİLEN SİLAJLARIN KALİTE ÖZELLİKLERİNİN BELİRLENMESİ, Postgraduate, A.Türker(Student), 2019

Arslan M., DÜŞÜK ODAP (β -N-oxalyl-L-?, β -diaminopropionic) İÇERİĞİNE SAHİP MÜRDÜMÜK (Lathyrus sativus L.) HATLARININ ANTALYA SAHİL KOŞULLARINDA TOHUM VERİMİ VE BİTKİSEL ÖZELLİKLERİ, Postgraduate, E.Aksu(Student), 2019

Memberships / Tasks in Scientific Organizations

Türk Ziraat Yüksek Mühendisleri Birliği, Vice President, 2012 - 2016

Ziraat Mühendisleri Odası Antalya Şubesi, Member, 2004 - 2015

Metrics

Publication: 57

Citation (WoS): 69

Citation (Scopus): 52

H-Index (WoS): 6

H-Index (Scopus): 4

Congress and Symposium Activities

Internatioanal Ecology 2018 Symposium, Attendee, Kastamonu, Turkey, 2018

International Agricultural Science Congress, Attendee, Van, Turkey, 2018

European Biotechnology Congress, Attendee, Athens, Greece, 2018

Research Areas

Agricultural Sciences, Agriculture, Infield Plants, Breeding and Breeding of Forage Crops, Grass Plants