

PERSONAL INFORMATIONS		
Name Surname	Sekip ERDAL	
Title	Breeder/researcher (maize)	
Phone	+90 (242) 321 67 97, +905306931765	
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EDUCATION INFORMATION	
Ph.D	
Thesis	Determination of Drought Tolerance Level of Maize (<i>Zea mays</i> L.) Inbred Lines and Molecular Characterization
Name of University	Süleyman Demirel University
Academic Unit/ Date	Faculty of Agriculture, Department of Field Crops / 2014
MSc	
Thesis	The Comprasion of Statistical Methods in Evaluation of Multiple Genotype for Second Cropping
Name of University	Akdeniz University
Academic Unit/ Date	Faculty of Agriculture, Department of Field Crops / 2007
Graduate	
Name of University	Uludag University
Academic Unit/ Date	Faculty of Agriculture, Department of Horticulture/ 2003

FOREIGN LANGUAGE				
Foreign Language / Degree	YDS (KPDS)	ÜDS	TOEFL	IELTS
English	YDS 78.75 KPDS : 84.00		213 (CBT)	

JOB LOCATIONS		
Date	Title	Institution
2019 -	Assoc. Prof.	Bati Akdeniz Agricultural Research Institute/ Antalya-Turkey
2014-2019	Ph.D	Bati Akdeniz Agricultural Research Institute/ Antalya-Turkey
2007-2014	MSc	Bati Akdeniz Agricultural Research Institute/ Antalya-Turkey

2004-2007	Agricultural Engineer	Bati Akdeniz Agricultural Research Institute/ Antalya-Turkey
2000-2004	Agricultural Technician	Akdeniz Agricultural Research Institute/ Antalya-Turkey

PROJECTS

1-Project Title: Evaluation of 8 x 8 Full Diallel Maize Crosses For Lysine And Methionine Amino Acid Content And Development Of Quality Protein Doubled Haploid Maize Inbred Lines Using In-Vivo Maternal Haploid Technique

Project Period: 2016-2019

Supporting Organisation: THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY (TUBITAK 3501)

Duty: Project Leader

2-Project Title: Combining Ability Of Some Maize Inbreds Under Well Watered And Water Stress Conditions

Project Period: 2011-2014

Supporting Organisation: GENERAL DIRECTORATE OF AGRICULTURAL RESEARCH AND POLICIES (TAGEM)

Duty: Project Leader

3-Project Title: National Maize Breeding Studies, Mediterranean Region Maize Breeding Researches

Project Period: 2020-2024

Supporting Organisation: GENERAL DIRECTORATE OF AGRICULTURAL RESEARCH AND POLICIES (TAGEM)

Duty: Project Leader

4-Project Title: Determination of Drought Tolerance Level of Maize (*Zea mays* L.) Inbred Lines and Molecular Characterization

Project Period: 2012-2014

Supporting Organisation: University of Suleyman Demirel BAP.

Duty: Researcher

5-Project Title: Molecular And Morphological Characterization Of Popcorn Inbred Lines

Project Period: 2014-2015

Supporting Organisation: THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY (TUBITAK 3001)

Duty: Researcher

6-Project Title: Developing High Adaptation Ability High Yielded, Quality, Local Pop Corn Inbred Lines And Hybrid Varieties

Project Period: 2015-2018

Supporting Organisation: THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY (TUBITAK 1003)

Duty: Researcher

- 7-Project Title:** Carnation Variety Breeding Project
Project Period: 2012-2015
Supporting Organisation: THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY (TUBITAK 1001)
Duty: Researcher
- 8-Project Title:** Selection in Sorghum For High Sugar Content, Biomass And Bioethanol
Project Period: 2013-2016
Supporting Organisation: THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY (TUBITAK 1003)
Duty: Researcher
- 9-Project Title:** Research on Intercropping Of Maize And Soybean For Silage Production Possibilities In Antalya Conditions
Project Period: 2011-2013
Supporting Organisation: GENERAL DIRECTORATE OF AGRICULTURAL RESEARCH AND POLICIES (TAGEM)
Duty: Researcher
- 10-Project Title:** Determination of Suitable Nitrogen Doses For Some Silage Maize Hybrids
Project Period: 2011-2013
Supporting Organisation: GENERAL DIRECTORATE OF AGRICULTURAL RESEARCH AND POLICIES (TAGEM)
Duty: Researcher

Publications

International Journals

1. **Erdal, S.** 2019, Cengiz, R. Ozturk, A. 2019. Breeding doubled haploid maize inbred lines for methionine and lysine amino acid composition. *Maydica*, 64 (2): 1-10
2. **Erdal, S.** 2018. Comparative evaluation of maize hybrids under water stress and rain-fed conditions. *Fresenius Environmental Bulletin*, 27(7): 5125-5130.
3. **Erdal, S., Öztürk, A., Pamukçu, M., Özata, E., Sezer M.C.** 2018. Public popcorn breeding studies of Turkey. *Ekin Journal of Crop Breeding and Genetics*, 4(2):1-7
4. **Erdal, S.** Cengiz, R. , *Ozturk A., Pamukcu M., Ozata E., Duman A.* 2017. Developing Silage Maize Hybrids with the Cooperation Among Public Agricultural Research Institutes of Turkey. *Eurasian Journal of Agricultural Research*.1 (2):52-56.
5. **Erdal S., M. Pamukcu, A. Ozturk, K. Aydınsakir, O.Yilmaz Dogu.** 2016. Morpho-physiological combining ability among tropical and temperate maize germplasm for drought tolerance. *Genetika*, 48 (3): 1053 – 1066.
6. **Erdal, Ş.** Pamukcu, M., Curek, M., Kocaturk, M, Dogu, O.Y. 2016. Silage yield and quality of row intercropped maize and soybean in a crop rotation following winter wheat, *Archives of Agronomy and Soil Science*, DOI:10.1080/03650340.2016.1153801
7. **Erdal, Ş., Pamukcu, M.,Öztürk, A., Aydınsakir, K.,Soylu, S.** 2015. Combining abilities of grain yield and yield related traits in relation to drought tolerance in temperate maize breeding. *T.Journal of Field Crops*. 20(2): 203-212
8. Aydınsakir, K., **Erdal, Ş.,** Büyüктаş, D., Baştuğ, R., Toker, R. 2013. The influence of regular deficit irrigation applications on water use,yield, and quality components of

two corn (*Zea mays* L.) genotypes. *Agricultural Water Management* (128): 65– 71.

9. **Erdal, Ş.**, Pamukçu, M., Savur, A., Tezel, M. 2011. Evaluation of Developed Standart Sweet Corn (*zea mays sacharata* l.) Hybrids for Fresh Yield, Yield Components and Quality Parameters. *T. Journal of Field Crops*. 16(2): 153-156.

National Journals

1. Öztürk, A., Özata, E., **Erdal, Ş.**, Pamukçu, M. 2019. Utilization and future of special corn types in Turkey. *International Journal of Eastern Mediterranean Agricultural Research*. 2(1): 75-90.
2. Kaya, A.S, Aydınşakir, K., **Erdal, Ş.**, Kazaz, S. 2019. The effects of different applications on the cut flower performance of the promising gypsophila genotype (GA8). *Derim*, 36(1):13-23 doi: 10.16882/derim.2019.449219
3. **Erdal, Ş.** 2019. Determination of drought tolerance levels of maize inbred lines. *Türk Turkish Journal of Agricultural and Natural Sciences*. 6(2): 178–189
4. **Erdal, Ş.** 2018. Determination of the genetic distances of maize inbred lines. *Derim*, 35(1): 73-80
5. Öztürk, A., Sade, B., Soylu,S. **Erdal, Ş.**, Boyacı, H.F. 2017. Molecular characterization of popcorn inbred lines by using SSR primers. *Suleyman Demirel Univ. Journal of Natural and Applied Sciences*. 21(2): 570-577.
6. **Erdal, Ş.** 2016. Determination of selection criteria associated with grain yield under normal and drought stress conditions in maize. *Derim*, 33 (1):131-143.
7. Öztürk, A., **Erdal, Ş.**, Pamukçu, M., Boyacı, H.F., Sade, B. 2016. Determination of some quality traits and relationships among traits in popcorn inbred lines. *Derim*, 33 (1): 119-130.
8. Cengiz, R., Akarken, N., **Erdal, Ş.** 2015. Mısır bitkisinde kuraklık ve yüksek sıcaklık stresinin etkileri. *Agromedya Dergisi*. Sayı 14. 28-30 (In Turkish).
9. **Erdal Ş.** and M. Pamukçu. 2013. Correlation and Path Analysis Between Fresh Ear Yield and Yield Components In Sweet Corn. 23rd International Scientific-Experts Congress on Agriculture and Food Industry. *The Journal of Ege University Faculty of Agriculture Special Issue (II)*:405-407
10. Aydınşakir, K., **Erdal, Ş.**, Pamukçu, M. 2013. The effects of different salt concentrations on germination and seedling parameters of silage corn (*Zea mays* L.) varieties. *Anadolu J Agr Sci*,28(2):94-100
11. **Erdal Ş.**, E. Özata, M. Pamukçu, O. Savur, M.Tezel, R.R. Cengiz. 2012. Additive main effects and multiplicative interactions analysis of yield in popcorn (*Zea mays everta* L.) hybrids. *University of Akdeniz University Journal of The faculty of Agriculture*. 25 (2):117-121.
12. **Erdal, Ş.** 2011. Silajlık mısırdan uygun hasat zamanı. *TMMOB Ziraat Mühendisleri Odası Antalya Şubesi Tarımın Sesi Dergisi* Sayı 31 (In Turkish).
13. **Erdal, Ş.**, Pamukçu, M., Savur, O., Soysal, M., Toros, A., Tezel,M. 2010. Determination of combining abilities of standard sweet corn (*Zea mays* L. var. *saccharata* Sturt) inbred lines in terms of fresh ear yield by topcrossing method. *Journal of Derim*, 27(2):10-21.
14. Soysal M., Kuzgun M., Pamukçu M., **Erdal Ş.** 2010. Mısır Sap ve Koçan Kurtlarının Ekonomik Zararları, Mücadele Masrafları ve Dayanıklı Mısır Çeşitleri. *TMMOB Ziraat Mühendisleri Odası Antalya Şubesi Tarımın Sesi Dergisi*. Eylül (In Turkish)
15. **Erdal, Ş.**, Pamukçu, M., Ekiz, H., Soysal, M., Savur, O., Toros, A.2009. The Determination of Yield and Quality Traits of Some Candidate Silage Maize Hybrids. *University of Akdeniz University Journal of The faculty of Agriculture*: 22(1), 75-81 s.

16. **Erdal, Ş** and Pamukçu, M. 2005. Sweet Corn. Journal of Derim :22- 2.

International Meetings

1. **Erdal, Ş.**, Cengiz, R., Pamukcu, M., Ozturk, A., Dincer, C., Cengiz B., Scott, M.P. 2018. Diallel analysis of temperate maize germplasm for lysine and methionine amino acid content and studies for developing quality doubled haploid lines. 13th Asian Maize Conference and Expert Consultation on “Maize for Food, Feed, Nutrition and Environmental Security”. 8-10 October, Ludhiana, India.
2. **Erdal, Ş.** 2018. Water stress tolerance breeding in maize. 1st International congress on agricultural structures and irrigation. 26-28 September, Antalya Turkey
3. Öztürk, A., **Erdal, Ş.**, Pamukçu, M., Özata, E., Coskuner, Y. 2017. Performances of Experimental Popcorn Hybrids in Three Geographical Regions of Turkey Based on Yield and Quality traits.. Proceedings of III. International Plant Breeding Congress. Kyrenia TRNC.
4. **Erdal, Ş.**, Öztürk, A., Pamukçu, M., Özata, E., Sezer M.C. 2017. Public popcorn breeding studies of Turkey.Proceedings of III. International Plant Breeding Congress. Kyrenia TRNC.
5. Öztürk, A., **Erdal, Ş.**, Pamukçu, M., Özata, E. 2017. Türkiye’de Özel Mısır Tiplerinin Kullanımı ve Geleceği. International Conference on Agriculture, Forest, Food Sciences and Technologies. 15-17 May, Cappadocia/Turkey.
6. **Erdal, Ş.**, Silme, R.S., Cagirgan, M.I. 2015. Comparison of statistical methods in the evaluation of multiple genotypes in sesame. 7th International Science, Social Science, Engineering and Energy Conference, 24-26 November, Phitsanulok, Thailand
7. **Erdal, S** and Akman, Z. 2015. Characterization of temperate maize inbred lines for drought tolerance. Joint DROPS and EUCARPIA Cereals and Maize and Sorghum Sections conference. Recent progress in drought tolerance: from genetics to modelling. Montpellier, France. June 8-9, 2015.
8. **Erdal, S.**, Uzun, B., Toker, R., Erdurmus, C. Cecen, S. 2015. Ethanol yield and yield related traits of selected sorghum genotypes. XXIIIrd EUCARPIA Maize and Sorghum Conference, Genomics and phenomics for model-based maize and sorghum breeding. Montpellier, France.
9. Erdurmus, C.,Uzun, B., Cecen, S., **Erdal, S.**, Toker, R. 2015. Agro-morphological selection of sorghum germplasm for bioethanol production. XXIIIrd EUCARPIA Maize and Sorghum Conference, Genomics and phenomics for model-based maize and sorghum breeding. Montpellier, France.
10. Pamukçu, M., **Erdal, Ş.**, Soysal, M., Öztürk, A.,Toros, A., Yılmaz, Ö. Maize breeding studies at Bati Akdeniz Agricultural Research Institute, International Mesopotamia Agriculture Congress, 2014.
11. **Erdal, Ş.**, Pamukcu, M., Breeding and performance of BATEM TATLI (Su) sweet corn hybrid,, International Plant Breeding Congress, 2013
12. **Erdal, Ş.**, Pamukçu, M., Öztürk, A. Drought stress in temperate maize, International Mesopotamia Agriculture Congress, 2014
13. Yılmaz Ö., **Erdal Ş.**, Özata E.,Pamukçu M. 2012. Assesment of popping volume of popcorn hybrids grown in north and south Turkey. 23rd International Scientific-Experts Congress on Agriculture and Food Industry. Book of Abstracts. p:145
14. **Erdal, Ş.**, Pamukcu, M. 2011. Breeding for silage, popping and white-seeded maize hybrids for Turkey. Adressing climate change effects and meeting demands for Asia. Book of extended summaries. 11th Asian maize Conferance, Nanning, China.
15. R. Cengiz, M. Tezel, E. Özata, **Ş. Erdal.** 2013. Germplasm Geliştirme, Melez Mısırla 100 Yıl Çalışmayı Kitabı. BİSAB Yayın No:1, 85-91 (In Turkish).

16. Çeçen, S., Öten, M., Erdurmuş, C and **Erdal Ş.** 2010. The Determination of relationships between seed yield and yield components of common vetch (*Vicia sativa L.*) with path analyses. 5th. International Food Legumes Research Conference (IFLRC V) and 7th European Conference on Grain Legumes (AEP VII). 26-30 April. Antalya

National meetings

1. **Erdal, Ş.**, Aydınşakir, K., Pamukçu, M. 2016. Effect of deficit irrigation practices on morpho-physiological characteristics of maize genotypes. 13th National Cultural techniques Congress.12-15 April, Antalya-Turkey.
2. Kaya, A.S., Karagüzel, Ö., Kazaz, S., Aydınşakir, K., **Erdal,Ş.**, Özalp,R. 2015. The studies of the variety development of carnation in BATEM (Batı Akdeniz Agricultural Research Institute).vVII. National Horticulture Congress. Çanakkale, Turkey.
3. **Erdal, Ş.**, Akman, Z. 2015. Changes of physiological parameters in maize inbred lines under normal and drought stress conditions. 11th Field Crops Congress. Çanakkale-Turkey.
4. Öztürk, A.,Pamukçu, M., **Erdal,Ş.**, Yılmaz,Ö., Özata,E., Tezel,M., Cengiz,R.R. 2013. Determination of yield performances of popcorn hybrids. 10th Field Crops Congress Konya-Turkey.
5. Pamukçu, M., **Erdal, Ş.**, Savur, O., Toros, A., Özata, E. 2011. Performances Of some white-seeded maize candidate hybrids in Antalya and Konya conditions. 9th Field Crops Congress 12-15 September. Bursa- Turkey.
6. **Erdal, Ş.**, Pamukçu, M., Savur, O., Toros, A. 2011. Evaluation of single crosses of some maize inbred lines in second crop conditions in Antalya. 9th Field Crops Congress 12-15 September. Bursa- Turkey.
7. Çeçen, S., Erdurmuş,C., **Erdal, Ş.** 2011. The locations of some legume forage crops found in Antalya Natural Flora. Ecology Symposium. p: 162 5-7 May, 2011, Düzce-Turkey.
8. **Erdal, Ş.**, Pamukçu, M., Savur, O. 2011. Characterization in the new maize germplasm sources and cluster analysis. Turkey IV. Seed Congress. Volume: 2, 312-317.
9. **Erdal, Ş.**,Çağırınan,M.İ.,Silme,R.S.,Ekiz,H.,Pamukçu,M.,Toros,A.,2007. Comparison of some statistical methods in the Evaluation of Multiple Genotypes in Maize. VII. Field Crops Congress, 25-27 June. Erzurum-Turkey
10. Koç, N., Ekiz, H., Soysal, M., Pamukçu, M., **Erdal, Ş.**, Toros A., 2005. Popcorn population breeding. IV. Field Crops Congress. 5-9 September. Antalya-Turkey.

Others

EDUCATION, CONGRESS AND SYMPOSIUM

1. Statistic and Experimental designs – TAGEM-Ankara -2005
2. Plant breeding course – TAGEM-Ankara -2005
3. Language (English) course – British Cultural Association- Ankara -2006 (4 months)
4. Ministry of Agriculture of Turkey's Staff training in abroad, Germplasm Improvement in Maize, International Maize and Wheat Improvement Center (CIMMYT) MEXICO, 2008-2009 (6 months).
5. 100 Years With Hybrid Maize, International maize workshop, Antalya,2010 Turkey

6. EU grant programs and projects writing education, Antalya Governorship EU Coordination Center, 2011, ANTALYA
7. Carnation Workshop 2014, BATEM, ANTALYA
8. Sorghum Workshop, 2015, Konya
9. Maize breeding and genetics. University of Akdeniz, Faculty of Agriculture, Field Crops Department. 2016

Radio, TV Interview

2016- Maize production and Breeding. Channel VIP. From Field to Fork programme.