



**TAGEM**  
R&D AND INNOVATION

TRANSITIONAL ZONE AGRICULTURAL  
RESEARCH INSTITUTE/ ESKİŞEHİR

## Celalettin AYGÜN MSc Agricultural Engineer

### EDUCATION

- MSc** 2000-2003 Atatürk Üniversitesi  
Faculty of Agriculture
- Bachelor's Degree** 1983-1987 Yüzüncü Yıl University  
Faculty of Agriculture

**LANGUAGE** İngilizce

### CAREER

- 26.02.2024 Transition Zone Agricultural Research - Head of the Department
- 27.01.2011 Transition Zone Agricultural Research Institute-Eskişehir. Agricultural engineer.
- 01.08.2011 Transition Zone Agricultural Research Institute-Eskişehir- Researcher.
- 27.02.2006 Anadolu Agricultural Research Institute. Eskişehir Deputy Director.
- 03.07.2003- 16.01.2006 Marmara Animal Husbandry Research Institute- Head of the Department.
- 06.03.1995-20.06.200 Eastern Anatolia Agricultural Research Institute- Head of the Department.
- 20.10.1994-17.02.1995 Ministry of Agriculture and Rural Affairs Aşkale District Directorate. Agricultural engineer.
- 16.03.1992-20.10.1994 Ministry of Agriculture and Rural Affairs Tortum District Directorate. Agricultural engineer.
- 04.12.1989-16.03.1992 Ministry of Labor and Social Security Erzurum Regional Directorate. Government officer.
- 1987-88, Village-Type Poultry, Erzurum Regional Directorate.
- 1987 Oskar Wool Industry. Deputy director.
- 1981 State Institute of Statistics Erzurum Regional Directorate.

### ABOUT ME

I was born in 1963 in Erzurum. In 1987, he graduated from Yüzüncü Yıl University, Faculty of Agriculture, Department of Plant Protection.

I continued his professional education in New Zealand for 2.5 months in 1998 on "Grassland Management".

I worked in 26 TAGEM and 2 TUBITAK projects, and his studies on Natural Resources, Rangeland Management and Forage Crops Breeding are still continuing.

### CONTACT

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### ▪ **PROJECTS**

#### ▪ **Projects Conducted**

1. Determination Adaptation of Some Sainfoin Lines under Erzurum Conditions. EAARI, Erzurum, 1996.
2. Limiting Factors for Vegetative Production in Erzurum. EAARI, Erzurum, 1996.
3. Determination of Suitable Forage Crops and Artificial Pasture Mixtures for East Anatolian Conditions, EAARI, Erzurum, 1996.
4. Determination of Sowing Time and Sowing Amount in Sainfoin, EAARI, Erzurum, 1996.
5. Adaptation of Some Winter Vetch Varieties to Erzurum Conditions, EAARI, Erzurum, 1996.
6. Alfalfa Breeding Studies, EAARI, Erzurum, 1996.
7. Sainfoin Breeding Studies, EAARI, Erzurum, 1996.
8. Vetch Breeding Studies. EAARI, Erzurum, 1996.
9. Alternative Forage Crops Breeding Studies, EAARI, Erzurum 1996
10. Determination of Propagation Possibilities of Forage Plants on East Anatolian Meadows and Grasslands EAARI, Erzurum, 1987.
11. Adaptation of Some White Clover Varieties to Erzurum Conditions, EAARI, Erzurum, 1987.
12. Cocksfoot Breeding Studies, EAARI, Erzurum, 1999.
13. Determination of Meadow-Rangeland Based Production Systems and Limiting Factors in Erzurum, Kars, Ağrı, and Ardahan, Erzurum, EAARI, Erzurum, 1999-2002.
14. Determination of Proper Care and Feeding Systems for Intensive Dairy Enterprises in East Anatolia, EAARI, Erzurum, 2000.
15. Determination of Proper Rehabilitation Methods for Over Degenerated Grassland Areas of East Anatolia, EAARI, Erzurum, 2000.
16. Some Studies on Cicadellidae (Homoptera) found on Grasslands in Merkez, İlica, Aşkale, and Çat Districts of Erzurum, EAARI, Erzurum, 2003.
17. National Pasture Use and Management Project, Researcher, TÜBİTAK, Turkey, 2006-2011.
18. Public's Knowledge-Awareness Level and Problems-Expectations Research Project about Rangelands and their Users. August-2007/ Eskişehir.
19. Evaluation of Forage Production, Soil Rehabilitation and Erosion Control Capability of Fourwing Saltbush (*Atriplex canescens* Pursh Nutt.) In Different Locations, Researcher, GDARP, 2011-2014,
20. Seed Production Project, Eskişehir.
21. Possibilities of Using Bushes and Bushy Plants in Grasslands, Researcher, GDARP, 2007-20113.
22. West Transitional Zone Forage Crops Genetic Resources Project, GDARP, 2012-2016.
23. Variety Development Studies in Forage Grasses, Coordinator, GDARP, 2015-2019.
24. The Project of Use of Four Wing Salt Bush (*Atriplex canescens* Pursh Nutt.) in Rangeland Rehabilitation Studies of Sivrihisar-Ertuğrul Village, Researcher, General Directorate of Vegetative Production, 2015-2017.
25. Determination of Rangeland Presence and Rangeland State Classes Project, GDVP, 2013-2017.
26. Breeding of Perennial Forage Crops For Grazing Type, TÜBİTAK, Turkey, 2015-2020. Project leader

#### ▪ **Ongoing Projects**

1. Variety Development Studies in Grain Forage Crops (Researcher).
2. Transitional Zone Sainfoin Improvement Studies (Project leader).



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### ▪ **PUBLICATIONS**

#### ▪ **INTERNATIONAL ARTICLES AND PAPERS**

#### ▪ **Articles Published in International Journals**

1. Olgun M., C. Aygün. 2011. Evaluation of yield and yield components by different statistical methods in wheat (*T.aestivum L.*) *Custos e @gronegocio* on line, ISSN 1808-2882, Recife, volume 7, n. 2, p. 1- 160, May/August. 2011.

#### **International Papers, Seminars, etc.**

1. II. International Rangeland Management Symposium, 11-16 of August 2008, Erzurum. (Instructor)
2. III. International Rangeland Management Symposium, 05-09 of July 2010, Erzurum. (Instructor)
3. IV. International Catchment and Rangeland Management Symposium, 16-20 of July 2012, Erzurum. (Instructor)
4. Aygün. C., A. Koç., M, Turan. 2018. Feed Value of *Colutea Cilicica* Boiss. & Bal. Shrub and Its Importance for Steppe Pasture. 16-18 September 2014. Konya.
5. Aygun. C., H. Hanoglu. 2014. Grazing Potential of Some Shrub and Bushy Plants. Ovine Livestock Congress with International Participation. 16-18 October 2014 Konya.(Poster)
6. Hanoglu. H., C. Aygun. 2014. Possibilities of Using Some Shrub Plants in Sheep Breeding. Ovine Livestock Congress with International Participation. 16-18 October 2014 Konya.
7. Olgun. M., Aygün. C., M. Turan. 2014. Importance of Prolin Accumulation in Shrubs for Drought. II. Drought and Desertification Symposium with International Participation. 16-18 September 2014. Konya.
8. Aygün C. H. Hanoğlu Oral. 2019. Determination of feed value of *Gonocytisus angulatus* in different seasons. International Agricultural Congress in Muş Plain. September 24-27. 2019. Muş.
9. Hanoğlu Oral H., C Aygün., M. Turan. 2019. Estimating Nutritive value of *Jasminum fruticans L.* in different Seasons. 11. International Animal Science Conference. Cappadocia, Turkey. October 20-22. 2019.
10. Erdoğan İ., A L Sever,., Aygün C., Tuna M. 2017. Determination of some characteristics of cocksfoot (*Dactylis glomerata L.*) populations collected from natural areas of Eskişehir for breeding purposes. BEWS2017/3-5 April 2017. Antalya, TURKEY.
11. Erdoğan İ., A L Sever, .Aygün C., Tuna M. 2017. . Determination of some characteristics of rygrass (*Lolium perenne*) populations collected from natural areas of Eskişehir for breeding purposes. BEWS2017/3-5 April 2017. Antalya, TURKEY.
12. Yücel G.,Tuna G S., Şahin B., Yılmaz E C., Bayhun G.,Doğan E.,Özer S., Özkan N., Aras B., Kara İ., Efe B., Aygün C., Unal S., Tuna M. 2017. Determination of nuclear DNA content and ploidy of fescue populations collected form central Anatolia regio of Turkey by flow cytometer. 2 nd. International Balkan Agriculture Congress 16-18 May 2017. s 177. Tekirdağ.
13. G Savaş Tuna, B Sahin, G Yucel, C Aygun, I Kara, B Sahin, E Unal, B Bilen, S Unal, B Aras, S Isik, R Acar, E Aksakal, S E Dumlu, K Terzioglu, M Uzun, H Cebeci, M. M Ozgoz, M Atici, I Nizam, E Cabi, M Tuna. 2017. Nuclear DNA content and Ploidy determination in *Agropyron cristatum (L.) Gaertn* populations collected from diverse regions of Turkey by Flow Cytometer. 8 th International Triticeae Symposium 13 th Gatersleben Research Conference. Wernigerode/Gatersleben, Germany June 12-16,2017
14. Yücel G., Yılmaz E.C., Şahin B., Savaş Tuna G., Aygün C., Kara İ., Işık Ş., Aksakal E., Dumlu S.E., Uzun M., Terzioğlu K., Atıcı M., Özgöz M.M., Çakal Ş., Tuna M. 2019. Determination of nuclear DNA content and ploidy of newly collected *Festuca ovina* populations from Turkey by using flow cytometer. *Grasland Science in Europa*, Zurich, Vol.24- 2019. Improving sown grassland through breeding and management.
15. Seasonal Changes in Stem-Shoot Yields and Nutrient Contents of Some Shrub Species. ISPEC 7th International Conference On Agriculture, Animal Sciences and Rural Development. September 18-19, 2021 MUŞ.



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### ▪ **OTHER PUBLICATIONS**

#### ▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. Aygün C. 2003. Some Studies On Cicadellidae (Homoptera) Species Found in the Rangelands of Erzurum Central, Ilıca, Aşkale and Çat Districts. 1. Atatürk University Institute of Science and Technology 2003, 112 p. Erzurum.
2. Aygün C., Olgun M. 2018. Observation Criteria for Shrubs and Bushy Plants. Eskişehir-2018. ISBN: 978-605-68346-0-8. Book.
3. Aygün C. 2007. Public's Knowledge-Awareness Level and Problems-Expectations Research Project about Rangelands and their Users. Final Report. August-2007/ Eskişehir.
4. The National Rangeland Management Project Final Report. Chapter Writing. (TUBİTAK 1007) 2011.
5. Aygün C. 2011. The Possibilities of Using Shrubs Plants in Grassland. Final Report. 2011. Eskişehir.
6. Aygün C. 2016. Fodder Crops Gene Sources İn Northwest Transzone Region. Final Report. 2016. Eskişehir.
7. Estimation of Rangeland Areas and Condition Classes. Chapter Writing. (DPT-2017 )
8. Aygün C. 2020. Breeding of Perrennial Forage Crops For Grazing Type. Final Report. 2020. (TUBİTAK 1003).
9. Aygün C. 2018. *Onobrychis hypargyrea* BOISS. booklet.
10. Aygün C. 2018. *Onobrychis armena* BOISS. ET HUET Booklet
11. Aygün C. 2018. *Onobrychis gracilis* Besser. booklet.
12. Aygün C. 2018. *Onobrychis lasiostachya* Boiss. booklet.
13. Aygün C. 2018. *Onobrychis oxyodonta* var. *oxyodonta* Boiss. booklet.
14. Aygün C. 2018. *Onobrychis podperae* SIRJ. booklet.
15. Aygün C. 2018. *Onobrychis hajastana* Grossh. Booklet.
16. Aygün C. 2018. *Onobrychis montana* subsp. *Cadmea* P. W. BALL. booklet.
17. Aygün C. 2018. *Onobrychis viciifolia* Scop. Booklet.
18. Aygün C. 2048. Shrubs Forage Plants Against Drought Risk booklet
19. Shrub and Shrub Panel Results Book. 2024



## Celalettin AYGÜN, MSc Agricultural Engineer



### ▪ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

1. L. Tahtacıoğlu, M. Avcı, A. Mermer, H. Şeker, C. Aygün.1996. Adaptation of Some Sainfoin Lines to Erzurum Conditions. Turkey 3. Meadow-Rangeland and Forage Crops Congress. 17-19 of June 1996. Erzurum.
2. L. Tahtacıoğlu, M. Avcı, A. Mermer, H. Şeker, C. Aygün. 1996. Adaptation of Some Winter Vetch Varieties to Erzurum Ecological Conditions. Turkey 3. Meadow-Rangeland and Forage Crops Congress. 17-19 of June 1996. Erzurum.
3. L, Tahtacıoğlu., A. Mermer, C. Aygün. 1997. Investigation of Performances of Some Grasses and Legumes at Erzurum Irrigated Conditions. Turkey 2. Field Crops Congress. 22-25 of September 1997. Samsun.
4. Aygün. C, H. Şeker, L. Tahtacıoğlu, A. Mermer., 1998. Adaptation of Some White Clover Varieties to Erzurum Ecological Conditions. East Anatolia Agricultural Congress. 14-18 of September 1998. Erzurum.
5. L, Tahtacıoğlu. C. Aygün, M. Taçoğlu, A. Kara., 1998. Vegetative Production Systems and Production Limiting Factors in Erzurum. East Anatolia Agricultural Congress. 14-18 of September 1998. Erzurum.
6. Şeker, H, A. Yılmaz, L. Tahtacıoğlu, C. Aygün., 2002. Adaptation of Some Cool Season Grasses to Erzurum Irrigated Conditions. Journal Of At. Un. Agr. Fac. 33(1), 17-27, 2002.
7. Şeker, H, L. Tahtacıoğlu, C. Aygün. 2002. Comparative General Crop Growth Ratios with Kayseri and Bilensoy-80 Varieties and Some Morphological Characteristics of The Lines Obtained from East Anatolia Alfalfa. Journal Of At. Un. Agr. Fac. 2002.
8. Aygün, C., R. Hayat, Ş. Güçlü, M. Olgun, 2004. The Effect of Grassland Quality on Cicallidae (Homoptera) Species Abundancy in Erzurum. Turkey 1. Plant Protection Congress, 08-10 of September 2004, Samsun, p. 133.
9. Aygün, C., R. Hayat, Ş. Güçlü and M. Olgun, 2006. The Effect of Grassland Quality on Cicallidae (Homoptera) Species Abundancy in Erzurum. Journal of At. Un. Agr. Fac. 37(2) 153–159, 2006.
10. Taş, N. L. Tahtacıoğlu, C. Aygün 2007. East Anatolia Region Vetch Breeding Studies. Turkey VII. Field Crops Congress. 25–27 of June 2007. Erzurum.
11. Aygün, C., L. Tahtacıoğlu, Ş. Çakal 2007. Propagation Possibilities of Forage Crop Species-1. Cocksfoot (*Dactylis glomerata* L.) Collection Studies. Turkey VII. Field Crops Congress. 25-27 of June 2007. Erzurum.
12. Aygün, C., A. Kara., Ş. Çakal. 2007. Propagation Possibilities of Forage Crop Species-III–Sainfoin (*Onobrychis sativa* L.) Collection Studies. Turkey VII. Field Crops Congress. 25–27 June 2007. Erzurum.
13. Aygün, C., R. Hayat, Ş. Güçlü. 2007. Relationship of *Circulifer haematoceps*, *Stenometopiellus angorensis* and *Doratura exilis* (Homoptera: Cicadellidae) with Some Grassland Quality Factors. Turkey 2. Plant Protection Congress. 27-30 of August 2007. Isparta.
14. Aygün, C., R. Hayat, Ş. Güçlü. 2008. Relationship of *Circulifer haematoceps*, *Stenometopiellus angorensis* and *Doratura exilis* (Homoptera: Cicadellidae) with Some Grassland Quality Factors. Journal of At. Un. Agr. Fac. 39 (2), 209-215, 2008, 1300-9036.
15. Erdogdu, İ., Sever, A. L., Aygün, C. and Atalay, A. K. 2009. Importance of A Bushy Plant (*Atriplex canescens* (Pursh) Nutt.) for Soil Rehabilitation and Forage Production in Problematic Areas. Annual Journal of Rural Environment, 2007. p. 07-10.
16. L. Tahtacıoğlu L., C. Aygün., Y. Karaman. 2009. Bushy Forage Crops against Drought Risk. 1. National Drought and Desertification Symposium, 16-19 of June 2009. Konya.
17. Hıldız, H., A. Avağ., A. Mermer., A. Koç., ..... C. Aygün., A. L. Sever., 2009. Determination of Turkey Homogeneous Locations According to Altitude and Drought Area Index Value. 1. National Drought and Desertification Symposium, 16-19 of June 2009. Konya.



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### ■ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

18. L. Tahtacıoğlu L., C. Aygün.,Y. Karaman. 2009. Bushy Forage Crops against Drought Risk. 1. National Drought and Desertification Symposium, 16-19 of June 2009. Konya.
19. Hıldız.H., A.Avağ., A.Mermer., A.Koç.,.....C.Aygün., A.L. Sever., 2009. Determination of Turkey Homogeneous Locations According to Altitude and Drought Area Index Value. 1. National Drought and Desertification Symposium, 16-19 of June 2009. Konya.
20. Aygün, C., Ş. Çakal, A. Kara, 2009. Characterization of Some Cocksfoot (*Dactylis glomerata* L.) Lines from the Natural Rangelands of Eastern Anatolia. *Biological Diversity and Conservation*, 1/1 (2008) 1-20.Eskişehir.
21. Kara A., Ş. Çakal, A. Tavlas, A. Yazıcı, C. Aygün and A. Avağ. 2009. Habits and Problems Regarding Meadow and Rangelang Use in Northeast Anatolia. *Journal of At. Un. Agr. Fac.*, 16 (B) – 2009, 7-18 , 1307-3311.
22. Kara. A., S. Kadioğlu., Ş. Çakal., C. Aygün., H. Şeker., N. Taş. 2009. Legume Forage Crops Cultivation and Problems in Northeast Anatolia. *Journal of At. Un. Agr. Fac.*16 (B) – 2009 19-32, 1307-3311.
23. Şimşek U. 1 A. Avağ2, M.Uzun1, , M.M.Özgöz1, E.Aksakal1, S.Dumlu1 , A.Kara1, Ş.Çakal1, H. Yıldız6, A. Mermer6, A. Koç3, A. Gökkuş4, R. Hatipoğlu5, E. Ünal6, Ö. Urla6, M. Aydoğdu6, H. Torunlar6, F.Dedeoğlu6, K.A.Özaydın6, O.Aydoğmuş6, M.G. Tuğaç6 S. Ünal6, Z.Mutlu6 , Ç.Palta7, D.A.Çarkacı7, U.Karadavut8, T.Yıldırım9, Ş.Aksoyak9, M.Tezel9, C.Aygün10, A.L.Sever10, İ.Erdoğdu10, İ.Kara10, A.Atalay10, M.Sürmen11, T.Yavuz11, M.Avcı12, S.Çınar12, İ.İnal12, C.Yücel12, H.Cebel13, M.Bozkurt13, M.Keçeci13, O.Başkan13 , 2009. National Rangelang Use and Management Project. Turkey VIII. Field Crops Congress, 19–22 of November 2009. Hatay (Poster Presentation).
24. Aygün C1., İ. Kara1, A. L. Sever1, İ. Erdoğdu1, A.K. Atalay1, A.Avağ2, A. Mermer3, A. Özaydınlı3, H. Yıldız3, Ö. Urla3, M.Aydoğdu3, E. Ünal3, O.Aydoğmus3., F. Dedeoğlu3, M.G.Tuğaç3, H.Torunlar3. H. Cebel4, O.Baskan4, M.Keçeci4, M. Bozkurt4, 2010. Determination of Soil Characteristics of Eskişehir Grasslands in 13. Homogeneous Location. 1. National Soil and Water Resources Congress. p. 445–455. 2010. Eskişehir.
25. Aygün C1., İ. Kara1, A. L. Sever1, İ. Erdoğdu1, A.K. Atalay1, A.Avağ2, A. Mermer3, A. Özaydınlı3, H. Yıldız3, Ö. Urla3, M.Aydoğdu3, E. Ünal3, O.Aydoğmus3., F. Dedeoğlu3, M.G.Tuğaç3, H.Torunlar3. H. Cebel4, O.Baskan4, M.Keçeci4, M. Bozkurt4, 2010. Determination of Soil Characteristics of Eskişehir Grasslands in 14. Homogeneous Location. 1. National Soil and Water Resources Congress. p. 629–638. 2010. Eskişehir.
26. Aygün.C., M.Olgun., R.Hayat, 2010. Determination of The Factors Affecting Insect Density of *Ulopa trivia* (Germar, 1821) Species on Grassland Soils of Erzurum Province. 1. National Soil and Water Resources Congress. p. 888–894. 2010. Eskişehir.
27. Aygün.C., M.Olgun. R.Hayat, 2010. Dendogramic Evaluation of The Factors Affecting Distribution of *Ulopa trivia* (Germar, 1821) Species on Grassland Soils of Erzurum Province. 1. National Soil and Water Resources Congress. p. 895–900. 2010. Eskişehir.
28. Aygün.C., M.Olgun. R.Hayat, 2010. Dendogramic Evaluation of The Factors Affecting Distribution of *Batracomorphus irroratus* (Lewis, 1834) Species on Grassland Soils of Erzurum Province. 1. National Soil and Water Resources Congress. p. 901–906.2010. 2010. Eskişehir.
29. Aygün, C., M.Olgun, 2010. Shrubs as Soil Conservation Factor. 1. National Soil and Water Resources Congress. p. 907–910. 2010 Eskişehir.
30. Aygün. C., M. Olgun, 2010. Use of Shrubs in Rehabilitation of Salty Soils. 1. National Soil and Water Resources Congress. p. 911–914. 2010 Eskişehir.



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31. Aygün. C., M. Olgun, 2010. Use of Shrubs in Rehabilitation of Salty Soils. 1. National Soil and Water Resources Congress. p. 911–914. 2010 Eskisehir.
32. Aygün. C., M. Olgun., R. Hayat, 2010. Determination of The Factors Affecting Insect Density of *Batracomorphus irroratus* (Lewis, 1834) Species on Grassland Soils of Erzurum Province. 1. National Soil and Water Resources Congress. p. 915–921. 2010. Eskisehir.
33. Aygün C., İ. Kara, A. L. Sever, İ. Erdoğan, A.K. Atalay, A.Avağ, A.Mermer, A. Özyaydın, H. Yıldız, Ö. Urla, M.Aydoğdu, E. Ünal, O.Aydoğmus., F. Dedeoğlu, M.G.Tuğaç, H.Torunlar. H. Cebel, O.Baskan, M.Keçecđ, M. Bozkurt, A.Ocak., 2010. Determination of Species on Grassland Soils of Eskişehir Province in 14. Homogeneous Location. 1. National Soil and Water Resources Congress. p. 956–962. 2010. Eskisehir.
34. Aygün C., İ. Kara<sup>1</sup>, A. L. Sever<sup>1</sup>, İ. Erdoğan<sup>1</sup>, A.K. Atalay<sup>1</sup>, A.Avağ<sup>2</sup>, A.Mermer<sup>3</sup>, A. Özyaydın<sup>3</sup>, H. Yıldız<sup>3</sup>, Ö. Urla<sup>3</sup>, M.Aydoğdu<sup>3</sup>, E. Ünal<sup>3</sup>, O.Aydoğmus<sup>3</sup>, F. Dedeoğlu<sup>3</sup>, M.G.Tuğaç<sup>3</sup>, H.Torunlar<sup>3</sup>. H. Cebel<sup>4</sup>, O.Baskan<sup>4</sup>, M.Keçecđ<sup>4</sup>, M. Bozkurt<sup>4</sup>, A.Ocak<sup>5</sup>, 2010. Determination of Species on Rangeland Soils of Eskişehir Province in 13. Homogeneous Location. 1. National Soil and Water Resources Congress. p. 1010–1018, 2010. Eskisehir.
35. Aygün. C., Y.Karaman, B.Demir., İ. Erdoğan. 2010. Studies of Public Information-Awareness Level and Problems-Expectations about Rangelands and Their Users, 5. Rangeland Use, The Studies about Rangelands and Opinions Regarding People Responsible for Rangelands. Journal of Eskişehir Commerce Chamber. Year: 1, Issue: 2, p. 36-38.
36. Aygün. C. 2010. Alfalfa Cultivation. Journal of Eskişehir Commerce Chamber. Year: 1, Issue: 3, p. 35-36. Eskisehir.
37. Karaman, Y., Aygün C. 2010. Establishment of Research, Extension, Production Chain. Journal of Food, Agriculture and Livestock Ministry. November-December 2010, Issue: 196. p. 36-43. ANKARA.
38. A. Avağ, M.Uzun, C.Aygün, A.L.Sever, İ.Erdogan, İ.Kara, A.Atalay, M.M. Özgöz, E.Aksakal, S.Dumlu, H. Yıldız, A. Mermer, K.A.Özyaydın, S. Ünal, Z.Mutlu, E. Ünal, Ö. Urla, M. Aydoğdu, F.Dedeoğlu, O. Aydoğmuş, A. Koç, A. Gökkuş, R. Hatipoğlu, Ç.Palta, D.A.Çarkacı, T.Yıldırım, G.Aksoyak, M.Tezel, , M.Sürmen, T.Yavuz, M.Avcı, S.Çınar, G.Önal, C.Yücel, U.Şimşek. 2011. The Herbarium Studies Conducted under National Pasture Use and Management Project. 9. Field Crops Congress. 12-15 of September 2011.Bursa.
39. Aygün.C., İ. Kara, A. L. Sever, İ. Erdoğan, A.K. Atalay. 2011. Indicator Plants on Arid and Semi-Arid Regions-Eskisehir Example. Arid and Semi Arid Lands Management Workshop. 05-08 of December 2011. Ürgüp, Nevşehir.
40. Aygün.C., Olgun,M. , A. L. Sever, İ. Kara, İ. Erdoğan, A.K. Atalay. 2015. Evaluation of Germinabilities of Different Shrubs by Some Methods. Biological Diversity and Conservation. 4 (3): 52-57.
41. Avağ, A., Şimşek,U., Uzun M., Özgöz M. M., Aksakal E., Dumlu S., Kara A., Yavuz T., Sürmen M., Yıldız H., Mermer A., Koç A., Gökkuş A., Hatipoğlu R.,Üna E., Urla Ö., Aydoğdu M.,4 Torunlar H., 4 Dedeoğlu F.,4 K. Özyaydın A., 4 Aydoğmuş O., Tuğaç M. G., Ünal S., Mutlu Z., Palta Ç., Çarkacı D. A., Karadavut U., Yıldırım T., Aksoyak Ş., Tezel M., Aygün C., Sever A. L., Erdoğan İ., Kara İ., Atalay A., Avcı M., Çınar S., İnal İ.,12 Yüce C., Cebel H., Keçeci M., Başkan O.,2012. National Rangeland Use and Management Project-Database Study. Research Journal of Agricultural Sciences, 5(2): 102-106, www.nobel.gen.tr.



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### ▪ Membership, Training, Course, Meeting, Congress, Symposium and Other Activities

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