

## Assoc. Prof. ARDA AYDIN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Katholieke Universiteit Leuven, Faculty Of Bioscience Engineering, Department Of Biosystems Engineering, Belgium 2008 - 2016

Postgraduate, Canakkale Onsekiz Mart University, Fen Bilimleri Estitüsü, Tarım Makinaları Anabilim Dalı, Turkey 2002 - 2005

Undergraduate, Trakya University, Tekirdağ Ziraat Fakültesi, Tarım Makinaları Bölümü, Turkey 1998 - 2002

### Foreign Languages

Dutch, B1 Intermediate

English, C1 Advanced

### Dissertations

Doctorate, Automated Monitoring Systems to Improve Welfare of Broiler Chickens, Katholieke Universiteit Leuven, Faculty Of Bioscience Engineering, Department Of Biosystems, 2016

Postgraduate, Kuru Tarım Kosullarında Bugday üretiminde Farklı Toprak İşleme Yöntemlerinin Yabancı Ot Populasyonu ve Toprak Özelliklerine Etkileri , Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Tarım Makinaları Anabilim Dalı, 2005

### Research Areas

Agricultural Sciences, Agriculture, Farm Machinery, Agricultural Tools and Machines, Farm equipment, Mechanization in Livestock, Mechanization in Plant Production

### Academic Titles / Tasks

Associate Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarım Makinaları ve Teknolojileri Mühendisliği, 2019 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarım Makinaları ve Teknolojileri Mühendisliği,

2018 - 2019

Research Assistant PhD, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarım Makinaları ve Teknolojileri Mühendisliği, 2016 - 2018

Research Assistant, Canakkale Onsekiz Mart University, Ziraat Fakültesi, Tarım Makinaları ve Teknolojileri Mühendisliği, 2004 - 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Using 3D vision camera system to automatically assess the level of inactivity in broiler chickens**  
Aydin A.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.135, pp.4-10, 2017 (SCI-Expanded)
- II. **Development of an early detection system for lameness of broilers using computer vision**  
Aydin A.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.136, pp.140-146, 2017 (SCI-Expanded)
- III. **Bazı Fizyolojik ve Morfolojik Faktörler ile Etlik Piliçlerin Bacak Aksaklıkları Arasındaki İlişki**  
AYDIN A.  
Kahramanmaraş Sütçü İmam Üniversitesi Sosyal Bilimler Dergisi, Doğa Bilimleri Dergisi, vol.19, no.4, pp.16-23, 2016 (SCI-Expanded)
- IV. **Using sound technology to automatically detect the short-term feeding behaviours of broiler chickens**  
Aydin A., Berckmans D.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.121, pp.25-31, 2016 (SCI-Expanded)
- V. **Automatic classification of measures of lying to assess the lameness of broilers**  
Aydin A., Bahr C., Berckmans D.  
ANIMAL WELFARE, vol.24, no.3, pp.335-343, 2015 (SCI-Expanded)
- VI. **A real-time monitoring tool to automatically measure the feed intakes of multiple broiler chickens by sound analysis**  
Aydin A., Bahr C., Berckmans D.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.114, pp.1-6, 2015 (SCI-Expanded)
- VII. **A novel method to automatically measure the feed intake of broiler chickens by sound technology**  
Aydin A., Bahr C., Viazzi S., Exadaktylos V., Buyse J., Berckmans D.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.101, pp.17-23, 2014 (SCI-Expanded)
- VIII. **AUTOMATIC IDENTIFICATION OF ACTIVITY AND SPATIAL USE OF BROILER CHICKENS WITH DIFFERENT GAIT SCORES**  
Aydin A., Pluk A., Leroy T., Berckmans D., Bahr C.  
TRANSACTIONS OF THE ASABE, vol.56, no.3, pp.1123-1132, 2013 (SCI-Expanded)
- IX. **Application of a fully automatic analysis tool to assess the activity of broiler chickens with different gait scores**  
Aydin A., Cangar O., Ozcan S. E., Bahr C., Berckmans D.  
COMPUTERS AND ELECTRONICS IN AGRICULTURE, vol.73, no.2, pp.194-199, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Contribution of Land Consolidation to Agriculture and Agricultural Mechanization; Çanakkale-Biga-Derekoy Example**  
Gürgeç İrmaklı P., Aydın A.  
Journal of Tekirdag Agricultural Faculty, vol.19, no.3, pp.582-599, 2022 (ESCI)
- II. **Büyükbaş Hayvancılıkta Görüntü İşleme ile Sağlık ve Refah Tespiti**  
AYDIN A., DEMİR C.

Lapseki Meslek Yüksek Okulu Uygulamalı Araştırmalar Dergisi, 2022 (Peer-Reviewed Journal)

- III. **Novel Technologies and Automation Systems in Livestock Farms**  
AYDIN A.  
Archives of Animal Husbandry and Dairy Science, vol.2, no.3, pp.1-6, 2021 (Peer-Reviewed Journal)
- IV. **Determination of Coefficients and Biomass Potential for Pruning Residuals in Some Olive Varieties**  
Çiçek G., Sümer S. K., Egesel C. Ö., Say S. M., Aydın A.  
KSU TARIM VE DOĞA DERGISİ-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.24, pp.313-318, 2021 (ESCI)
- V. **Kırklareli İli Büyükbaş Hayvan Çiftliklerinde Aydınlatma Koşullarının Değerlendirilmesi**  
DEMİR C., AYDIN A., KOCABEY S., TUNA M.  
Lapseki Meslek Yüksekokulu Uygulamalı Araştırmalar Dergisi, vol.1, no.2, pp.16-29, 2020 (Peer-Reviewed Journal)
- VI. **Etlik Piliç Refahının Tespitinde Yeni Nesil Teknolojik Sistemlerin Önemi**  
AYDIN A.  
Lapseki Meslek Yüksekokulu Uygulamalı Araştırmalar Dergisi, vol.1, no.2, pp.47-60, 2020 (Peer-Reviewed Journal)
- VII. **Çanakkale İli Ticari Süt Çiftliklerinde Aydınlatma Koşullarının Değerlendirilmesi**  
AYDIN A., ÇAY A., POLAT B., OR A.  
ÇOMÜ Ziraat Fakültesi Dergisi, vol.8, no.2, pp.289-299, 2020 (Peer-Reviewed Journal)
- VIII. **Çanakkale İli Çiftçilerinin Hassas Hayvancılık Teknolojisi Kullanım Düzeyinin Belirlenmesi**  
AYDIN A., ÇAY A., POLAT B., OR A.  
Tarım Makinaları Bilimi Dergisi, vol.16, no.2, pp.1-7, 2020 (Peer-Reviewed Journal)
- IX. **Leg Weaknesses and Lameness Assessment Methods in Broiler Chickens**  
AYDIN A.  
Archives of Animal Husbandry Dairy Science, 2018 (Peer-Reviewed Journal)
- X. **Hayvanların Sağlığını, Refahını ve Üretimini Değerlendirmek İçin Temassız ve Tahribatsız Bir Araç Olarak Kızılötesi Termografi**  
AYDIN A., DEMİR C.  
Journal of Agricultural Machinery Science, vol.14, no.2, pp.89-98, 2018 (Peer-Reviewed Journal)
- XI. **Precision Livestock Farming in Animal Husbandry and Dairy Science**  
AYDIN A.  
Archives of Animal Husbandry and Dairy Science, 2018 (Peer-Reviewed Journal)
- XII. **Farklı Ürün Rotasyonlarında Uzun Dönem Uygulanan Azaltılmış Toprak İşleme ve Yeşil Gübrelemenin Ayçiçeği Gelişimi ve Yabancı Otlanmaya Etkileri**  
ÇAY A., ÖZPINAR S., AYDIN A.  
JOURNAL OF TEKIRDAG AGRICULTURE FACULTY-TEKIRDAG ZIRAAT FAKULTESİ DERGISİ, vol.14, no.3, pp.116-126, 2017 (Scopus)
- XIII. **Image Analysis Applications In Plant Growth And Health Assessment**  
AYDIN A., ÇAY A., POLAT B.  
Journal of Agricultural Faculty of Mustafa Kemal University, vol.22, pp.112-126, 2017 (Peer-Reviewed Journal)
- XIV. **The Effects of Long-term Reduced Tillage with Different Crop Rotation and Green Manuring on Sunflower Productivity and Weed Density**  
ÇAY A., ÖZPINAR S., AYDIN A.  
JOURNAL OF TEKIRDAG AGRICULTURE FACULTY-TEKIRDAG ZIRAAT FAKULTESİ DERGISİ, vol.14, no.3, pp.116-126, 2017 (ESCI)
- XV. **Precision Feeding in Laying Hens by Sound Technology**  
Aydın A.  
JOTAF, vol.13, no.3, pp.134-142, 2016 (Peer-Reviewed Journal)
- XVI. **Zeytin Üretiminde Ekonomik ve Ekolojik Toprak Yönetimi**  
ÇAY A., AYDIN A.  
Tabiat ve İnsan, vol.50, no.194, pp.11-17, 2016 (Peer-Reviewed Journal)
- XVII. **Walking Behaviour and Spatial Use of Broiler Chickens**  
AYDIN A.  
INTERNATIONAL LETTERS OF NATURAL SCIENCES, vol.54, pp.66-74, 2016 (ESCI)

- XVIII. **Precision Feeding in Laying Hens by Sound Technology**  
AYDIN A.  
JOURNAL OF TEKIRDAG AGRICULTURE FACULTY-TEKIRDAG ZIRAAT FAKULTESİ DERGİSİ, vol.13, no.3, pp.134-142, 2016 (ESCI)
- XIX. **The Relationship between Some Physiological and Morphological Factors and the Lameness of Broiler Chickenstr**  
AYDIN A.  
KAHRAMANMARAS SUTCU IMAM UNIVERSITY JOURNAL OF NATURAL SCIENCES, vol.19, no.3, pp.249-255, 2016 (ESCI)
- XX. **Walking behaviour and spatial use of broiler chickens**  
AYDIN A.  
INTERNATIONAL LETTERS OF NATURAL SCIENCES, vol.54, pp.66-74, 2016 (ESCI)
- XXI. **Tavukçulukta Görüntü İşleme ve Ses Analizi Uygulamaları**  
AYDIN A., ÇAY A., KÖSE H. İ.  
Tarım Makinaları Bilimi Dergisi (Journal of Agricultural Machinery Science), vol.11, no.4, pp.321-329, 2015 (Peer-Reviewed Journal)
- XXII. **Hayvancılıkta Hassas Tarım**  
AYDIN A.  
Tarım Türk Dergisi, no.54, pp.51-56, 2015 (Non Peer-Reviewed Journal)

## Books & Book Chapters

- I. **ARDA**  
AYDIN A., DEMİR C.  
in: Türkiyede Sürdürülebilir Tarım Uygulamaları: Zorluklar ve Potansiyeller, AYDIN, Editor, İksad Yayınevi, Çanakkale, pp.1-3, 2021
- II. **ARDA**  
AYDIN A., DEMİR C.  
in: Türkiyede Sürdürülebilir Tarım Uygulamaları: Zorluklar ve Potansiyeller, AYDIN, Editor, İksad Yayınevi, Çanakkale, pp.1-2, 2021
- III. **Developments in the use of electronic technologies in livestock farming**  
AYDIN A., DEMİR C.  
in: New Approaches and Applications in Agriculture, , Editor, İksad Yayınevi, Ankara, pp.100-120, 2020
- IV. **Termographic approach in precision livestock farming**  
DEMİR C., AYDIN A.  
in: New Approaches and Applications in Agriculture, , Editor, İksad Yayınevi, Ankara, pp.77-99, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **Etlik Piliçler İçin Bir Sağlık Tarama Robotunun Tasarımı ve Geliştirilmesi**  
AYDIN A., ÇAY A., KOCABİYİK H.  
34. Tarımsal Mekanizasyon ve Enerji Kongresi, Bilecik, Turkey, 07 September 2022
- II. **Lityum Bataryalı Budama Makaslarının Teknik, Ekonomik ve Makine Emniyet Yönetmeliği Açısından Değerlendirilmesi**  
SALURLU S., AYDIN A.  
Tarımsal Mekanizasyon ve Enerji Kongresi, 01 October 2021
- III. **Arazi Topulaştırması ve Tarla İçin Geliştirme Hizmetleri Projesi'nin Tarıma ve Tarımsal Mekanizasyona Katkısı**  
GÜRGENÇ IRMAKLI P., AYDIN A.

Tarımsal Mekanizasyon ve Enerji Kongresi, 01 October 2021

- IV. **Precision Farming in All Aspects**  
AYDIN A., DEMİR C.  
ICONST 21, 8 - 10 September 2021, pp.30
- V. **. Impact of tillage tools on the soil properties and crop productivity of a clay loam soil in dryland farming**  
ÖZPINAR S., Aydın A., Cay A.  
International Soil Tillage Research Organisation (ISTRO) 17th Triennial Conference, Germany, pp.310
- VI. **ZEYTİN AĞACI BUDAMA ARTIK POTANSİYELİNİN HESAPLANMASINA YÖNELİK KATSAYININ BELİRLENMESİ**  
ÇİÇEK G., SÜMER S. K., EGESEL C. Ö., SAY S. M., AYDIN A.  
4. ÇUKUROVA ULUSLARARASI BİLİMSEL ARAŞTIRMALAR KONGRESİ, Adana, Turkey, 21 - 23 February 2020, pp.150-151
- VII. **Zeytin ağacı budama artık potansiyelinin hesaplanmasına yönelik katsayının belirlenmesi**  
ÇİÇEK G., SÜMER S. K., EGESEL C. Ö., Say S. M., AYDIN A.  
4. Çukurova Uluslararası Bilimsel Araştırmalar Kongresi, Adana, Turkey, 21 - 23 February 2020, pp.150-151
- VIII. **Zeytin ağacı budama artık potansiyelinin hesaplanmasına yönelik katsayının belirlenmesi**  
Çiçek G., Sümer S. K., Egesel C. Ö., Say S. M., Aydın A.  
4. Çukurova Uluslararası Bilimsel Araştırmalar Kongresi, Adana, Turkey, 21 - 23 February 2020, pp.150-151
- IX. **TECHNOLOGICAL SOLUTIONS FOR THE DEVELOPMENT OF LIVESTOCK IN BALKAN COUNTRIES SOUND ANALYSIS EXAMPLE**  
AYDIN A., DEMİR C.  
6th International Congress on Fundamental and Applied Sciences 2019, Tirane, Albania, 18 - 20 June 2019, pp.1-4
- X. **EVALUATION OF LIGHTNING CONDITIONS IN COMMERCIAL DAIRY FARMS**  
AYDIN A., Tuna M., ÇAY A., OR A., POLAT B.  
6. International Congress on Fundamental and Applied Sciences, Tiran, Albania, 18 - 20 June 2019, vol.1, no.1, pp.17-18
- XI. **TECHNOLOGICAL SOLUTIONS FOR THE DEVELOPMENT OF LIVESTOCK FARMING IN BALKAN COUNTRIES; SOUND ANALYSIS EXAMPLE**  
AYDIN A.  
6. International Congress on Fundamental and Applied Sciences, Tiran, Albania, 18 - 20 June 2019, pp.17-20
- XII. **Etlik Piliç Üretiminde Hassas Hayvancılık Teknolojilerinin Önemi**  
AYDIN A.  
5. Uluslararası Beyaz Et Kongresi, Antalya, Turkey, 24 - 28 April 2019
- XIII. **Impotence of PLF Technology in Broiler Production**  
AYDIN A.  
5. Uluslararası Beyaz Et Kongresi, Antalya, Turkey, 24 - 28 April 2019, pp.5-10
- XIV. **Hassas Hayvancılık Teknolojilerinin Çiftçi ve Hayvan Etkileşimi Üzerine Etkisi**  
AYDIN A., Demir C.  
International Congress on Agriculture and Animal Sciences, Antalya, Turkey, 7 - 09 November 2018, pp.2
- XV. **Hayvan Refahında Hassas Hayvancılık Teknolojilerinin Önemi**  
AYDIN A., Demir C.  
International Congress on Agriculture and Animal Sciences, Antalya, Turkey, 7 - 09 November 2018, pp.3
- XVI. **Etlik Piliçlerin Beslenme Davranışlarının Belirlenmesinde Yeni Teknolojiler**  
AYDIN A., Demir C.  
International Congress on Agriculture and Animal Sciences, Antalya, Turkey, 7 - 09 November 2018, pp.4
- XVII. **Tarımsal Alet, Makina ve Teknoloji Kullanım Projeksiyonu (Kırklareli İli Örneği)**  
Demir C., AYDIN A., Gönülol E.  
International Congress on Agriculture and Animal Sciences, Antalya, Turkey, 7 - 09 November 2018, pp.5
- XVIII. **Bitki Sağlığı Analizi ve Zararlı Kontrolünde Dron Kullanımı**  
Demir C., AYDIN A.

- International Congress on Agriculture and Animal Sciences, Antalya, Turkey, 7 - 09 November 2018, pp.1
- XIX. Hayvanların Sağlığını, Refahını ve Üretimini Değerlendirmek için Temassız ve Tahribatsız Bir Araç Olarak Kızılötesi Termografi**  
AYDIN A., Demir C.  
31. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Bursa, Turkey, 5 - 07 September 2018, pp.46-47
- XX. Precision Livestock farming Approach to Measure the Live Weight of Animals**  
AYDIN A., Demir C.  
International Agricultural, Biological and Life Science Conference, Edirne, Turkey, 2 - 05 September 2018, pp.399-401
- XXI. Evolution of the Different Assessment Methods on Leg Weaknesses and Lameness of Broilers**  
Demir C., AYDIN A.  
International Agricultural, Biological and Life Science Conference, Edirne, Turkey, 2 - 05 September 2018, pp.219-224
- XXII. The Role of Precision Farming in Pest Management and Crop Yield**  
Demir C., AYDIN A.  
International Agricultural, Biological and Life Science Conference, Edirne, Turkey, 2 - 05 September 2018, pp.440-443
- XXIII. Çanakkale Hayvancılığının Gelişimi İçin Teknolojik Çözümler**  
AYDIN A.  
II. Çanakkale Tarımı Sempozyumu, Turkey, 14 - 15 December 2017
- XXIV. Automatic Assessment of Animal Health and Welfare by Precision Livestock Farming Technologies**  
AYDIN A., ÇAY A., ÇİÇEK G.  
13th International Congress on Mechanization and Energy in Agriculture International Workshop on Precision Agriculture, İzmir, Turkey, 13 - 15 September 2017, pp.1
- XXV. Automatic Assessment of Animal Health and Welfare by Precision Livestock Farming Technologies**  
AYDIN A., ÇAY A., ÇİÇEK G.  
13th International Congress on Mechanization and Energy in Agriculture International Workshop on Precision Agriculture, İzmir, Turkey, 13 - 15 September 2017, pp.1
- XXVI. Automatic Assessment of Animal Health and Welfare by Precision Livestock Farming Technologies**  
AYDIN A.  
13th International Congress on Mechanization and Energy in Agriculture International Workshop on Precision Agriculture, İzmir, Turkey, 13 - 15 September 2017, pp.17
- XXVII. Comparison of Three-Dimensional and Two-Dimensional Camera Systems for Automatic Detection of Lameness in Broilers**  
AYDIN A.  
13th International Congress on Mechanization and Energy in Agriculture International Workshop on Precision Agriculture, İzmir, Turkey, 13 - 15 September 2017, pp.20
- XXVIII. Influence of Different Long-Term Soil Management Strategies on Some Soil Properties and Sunflower Yield under Semi-arid Conditions**  
ÇAY A., ÖZPINAR S., AYDIN A.  
3. International Conference on Engineering and Natural Sciences, 3 - 07 May 2017, pp.268
- XXIX. Development of an early detection system to identify the dead broilers using thermal imaging**  
AYDIN A., ÇAY A.  
The 3rd International Conference on Engineering and Natural Sciences (ICENS), Budapeşte, Hungary, 3 - 07 May 2017, pp.155
- XXX. An early detection system for lameness of broilers using image processing**  
AYDIN A.  
3rd International Conference on Engineering and Natural Sciences, Budapest, Hungary, 3 - 07 May 2017, pp.44
- XXXI. Using 3D Vision Camera System To Automatically Assess The Lameness Of Broiler Chickens**  
AYDIN A.  
3rd International Conference on Engineering and Natural Sciences, Budapest, Hungary, 3 - 07 May 2017, pp.516

- XXXII. **Evaluation of different soil management strategies regarding to pest population**  
POLAT B., ÇAY A., AYDIN A.  
3. International Conference on Engineering and Natural Sciences (ICENS 2017), Budapeşte, Hungary, 3 - 07 May 2017, pp.214
- XXXIII. **Evaluation of different soil management strategies regarding to pest population**  
POLAT B., ÇAY A., AYDIN A.  
The 3rd International Conference on Engineering and Natural Sciences (ICENS), Budapest, Hungary, 3 - 07 May 2017, pp.214
- XXXIV. **Evaluation of different soil management strategies regarding to pest population**  
POLAT B., ÇAY A., AYDIN A.  
The 3rd International Conference on Engineering and Natural Sciences (ICENS), Budapest, Hungary, 3 - 07 May 2017, pp.214
- XXXV. **Development of an early detection system to identify the dead broilers using thermal imaging**  
AYDIN A., ÇAY A.  
The 3rd International Conference on Engineering and Natural Sciences (ICENS), Budapeşte, Hungary, 3 - 07 May 2017, pp.155
- XXXVI. **Economic and Ecologic Soil Management Practices in Olive Cultivation**  
ÇAY A., AYDIN A.  
2nd International Conference on Engineering and Natural Science (ICENS), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.474
- XXXVII. **Automatic detection of the lateral body oscillations to assess the lameness of broilers**  
AYDIN A., ÇAY A.  
2nd International Conference on Engineering and Natural Science (ICENS), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.476
- XXXVIII. **Automatic Detection and Localisation of Sick Animals by Sound Technology**  
AYDIN A.  
2. International Conference on Engineering and Natural Sciences (ICENS 2016), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.16-23
- XXXIX. **Automatic detection of the lateral body oscillations to assess the lameness of broilers**  
AYDIN A., ÇAY A.  
2. International Conference on Engineering and Natural Sciences (ICENS 2016), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.5-12
- XL. **The Effects of Beak Trimming on the Generated Pecking Sounds and Feed Intake of Laying Hens**  
AYDIN A.  
2. International Conference on Engineering and Natural Sciences (ICENS 2016), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.26-32
- XLI. **Fully automated monitoring tool to detect feed uptake of multiple broiler chickens by sound analysis.**  
AYDIN A.  
7. European Conference on Precision Livestock Farming, Milan, Italy, 15 - 18 September 2015, pp.15-19
- XLII. **Bitki Büyüme ve Sağlığının Değerlendirilmesinde Görüntü Analizi**  
AYDIN A., ÇAY A., ÜRKMEZ Ü.  
29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Diyarbakır, Turkey, 2 - 05 September 2015, vol.1, no.1, pp.570-576
- XLIII. **Bitki Büyüme ve Sağlığının Değerlendirilmesinde Görüntü Analizi (Değerlendirilme aşamasında)**  
AYDIN A., ÇAY A.  
29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Diyarbakır, Turkey, 2 - 05 September 2015, vol.1, no.1
- XLIV. **Tavukçulukta Görüntü İşleme ve Ses Analizi Uygulamaları**  
AYDIN A., ÇAY A., KÖSE H. İ.  
29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Diyarbakır, Turkey, 2 - 05 September 2015, vol.1, no.1, pp.36
- XLV. **Tavukçulukta Görüntü İşleme ve Ses Analizi Uygulamaları**

- AYDIN A., ÇAY A.  
29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Diyarbakır, Turkey, 2 - 05 September 2015, vol.1, no.1
- XLVI. **Çanakkale Bölgesinde Koruyucu Toprak İşleme Konusundaki Bilgilenme Durumunun Belirlemesi Üzerine Bir Araştırma**  
ÇAY A., AYDIN A., YAVAŞ Y., AYDIN Y., TEKİN H., ÖZPINAR S.  
29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Diyarbakır, Turkey, 2 - 05 September 2015, vol.1, no.1, pp.153-159
- XLVII. **Hayvancılıkta Hassas Tarım**  
AYDIN A.  
29. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Diyarbakır, Turkey, 1 - 05 September 2015, pp.33-37
- XLVIII. **Ses Teknolojisi ile Yumurtacı Tavukların Yem Tüketiminin Otomatik Olarak Belirlenmesi**  
AYDIN A.  
1. Ulusal Biyosistem Mühendisliği Kongresi, Bursa, Turkey, 9 June - 11 May 2015, pp.23-31
- XLIX. **Öksürük Sesi Analizi ile Hasta Hayvanların Tespiti ve Barınak İçindeki Konumlarının Otomatik Olarak Belirlenmesi**  
AYDIN A.  
1. Ulusal Biyosistem Mühendisliği Kongresi, Bursa, Turkey, 9 - 11 June 2015, pp.31-36
- L. **Hassas Tarım Teknolojilerindeki Gelişmeler**  
TÜRKER U., AKDEMİR B., TOPAKCI M., TEKİN A. B., ÜNAL İ., AYDIN A., ÖZOĞUL G., Evrenosoğlu M.  
Türkiye Ziraat Mühendisliği 8. Teknik Kongresi, Turkey, 12 - 16 January 2015
- LI. **HASSAS TARIM TEKNOLOJİLERİNDEKİ GELİŞMELER**  
AYDIN A.  
Türkiye Ziraat Mühendisliği 8. Teknik Kongresi, Ankara, Turkey, 12 - 16 January 2015, vol.1, pp.295-320
- LII. **A Real Time Monitoring of Broiler Feed Intake by Sound Technology**  
AYDIN A., ÇAY A., Viazzi S., Bahr C., Berckmans D.  
12h Int. Congress on Mechanization and Energy in Agriculture (ADAGENG 2014), Nevşehir, Turkey, 3 - 06 September 2014, pp.22
- LIII. **A Fully Automated Monitoring Tool to Detect Lameness of Broiler Chickens By Image Analysis**  
AYDIN A., ÇAY A., Bahr ., Berckmans D.  
12h Int. Congress on Mechanization and Energy in Agriculture (ADAGENG 2014), Nevşehir, Turkey, 3 - 06 September 2014, vol.1, pp.17
- LIV. **A Real-Time Measurement of Broiler Feed Intake by Sound Technology**  
AYDIN A.  
12th International Congress on Mechanization and Energy in Agriculture (ADAGENG2014), Nevşehir, Turkey, 3 - 06 September 2014, pp.56-78
- LV. **A Fully Automated Monitoring Tool to Detect Lameness of Broiler Chickens by Image Analysis**  
AYDIN A.  
12th International Congress on Mechanization and Energy in Agriculture (ADAGENG2014), Nevşehir, Turkey, 3 - 06 September 2014, pp.69-75
- LVI. **An Innovative Monitoring System to Measure the Feed Intake of Broiler Chickens using Pecking Sounds.**  
AYDIN A.  
Joint European Conference on Precision Livestock Farming (ECPLF), Leuven, Belgium, 10 - 12 September 2013, pp.68-75
- LVII. **A relational Study of Gait Score with Resting Behaviours of Broiler Chickens**  
AYDIN A.  
Joint European Conference on Precision, Leuven, Belgium, 10 - 12 September 2013, pp.89-96
- LVIII. **Automatic Identification of Activity Levels of Broiler Chickens with Different Gait Score in a Small Flock**  
AYDIN A., Bahr C., Pluk A., Berckmans D.  
2012 ASABE Annual International Meeting, 29 July - 01 August 2012



- LIX. **Automatic identification of activity levels of broiler chickens with different gait scores in a small flock**  
AYDIN A.  
ASABE International Annual Meeting, Texas, United States Of America, 29 July - 01 August 2012, pp.48-56
- LX. **ACTIVITY ANALYSIS IN BROILER CHICKENS WITH DIFFERENT GAIT SCORES**  
AYDIN A.  
XVIIth CIGR World Congress, Quebec City, Canada, 13 - 17 June 2010, pp.425-429
- LXI. **SOUND ANALYSIS FOR HEALTH MONITORING IN COMMERCIAL PIGGERIES**  
AYDIN A.  
Second European Symposium on Porcine Health Management "Pig Health, Performance and Welfare", Hannover, Germany, 26 - 28 May 2010, pp.24-29
- LXII. **Short-term responses of soil physical properties to maize tillage-planting systems in a semiarid Mediterranean environment in Western Turkey**  
ÖZPINAR S., Aydın A., Işıktepe M.  
10th International Congress on Mechanization and Energy in Agriculture, Antalya, Turkey, 14 - 17 October 2008, pp.371-378
- LXIII. **Maize (Zea mays L.) response to tillage systems after winter vetch on a clay loam soil in Western Turkey**  
ÖZPINAR S., Aydın A., Özpınar A.  
International Year of Planet Earth EUROSIL 2008, SOIL-SOCIETY-ENVIRONMENT, Viyana, Austria, 25 - 29 August 2008, pp.314-315
- LXIV. **Çanakkale ili buğday üretiminde farklı toprak işleme yöntemlerinin karşılaştırılması.**  
AYDIN A.  
Tarımsal Mekanizasyon 23. Ulusal Kogresi, Çanakkale, Turkey, 26 - 29 September 2006, pp.41-47
- LXV. **Impact of Tillage Tools on the Soil Properties and Crop Productivity of a Clay Loam Soil in Dryland Farming.**  
ÖZPINAR S., ÇAY A., AYDIN A.  
International Soil Tillage Research Organisation 17th Triennial Conference, Kiel, Germany, 28 August - 01 September 2006, vol.1, pp.310-315
- LXVI. **Impact of Tillage Tools on the Soil Properties and Crop Productivity of a Clay Loam Soil in Dryland Farming International Soil Tillage Research Organisation 17th Triennial Conference August 28 September 310 315 Kiel Germany**  
ÖZPINAR S., ÇAY A., AYDIN A.  
International Soil Tillage Research Organisation 17th Triennial Conference, Kiel, Germany, 28 August - 03 September 2006, pp.310-315
- LXVII. **Influence of tillage systems on weed density for winter wheat production in a clay-loam soil under dryland conditions**  
ÖZPINAR S., Aydın A.  
9th International Congress on Mechanization and Energy in Agriculture & 27th International Conference of CIGR Section IV: The Efficient Use of Electricity and Renewable Energy Sources in Agriculture, İzmir, Turkey, 27 - 29 September 2005, pp.254-258
- LXVIII. **Tillage practices for winter wheat vetch rotation farming in the dryland Mediterranean climate 9th International Congress on Mechanization and Energy in Agriculture 27th International Conference of CIGR Section IV The Efficient Use of Electricity and Renewable Energy Sources in Agriculture Sep 27 29 2005 İzmir Turkey**  
ÖZPINAR S., ÇAY A., AYDIN A.  
9th International Congress on Mechanization and Energy in Agriculture 27th International Conference of CIGR Section IV: The Efficient Use of Electricity and Renewable Energy Sources in Agriculture, İzmir, Turkey, 27 - 29 September 2005, pp.6-12
- LXIX. **Influence of tillage systems on weed density for winter wheat production in a clay-loam soil under dryland conditions.**

AYDIN A.

9th International Congress on Mechanization and Energy in Agriculture & 27th International Conference of CIGR  
Section IV: The Efficient Use of Electricity and Renewable Energy Sources in Agriculture, İzmir, Turkey, 27 - 29  
September 2005, pp.54-64

**LXX. Tillage practices for winter wheat-vetch rotation farming in the dryland Mediterranean climate**

ÖZPINAR S., Aydın A., Cay A.

9th International Congress on Mechanization and Energy in Agriculture & 27th International Conference of CIGR  
Section IV: The Efficient Use of Electricity and Renewable Energy Sources in Agriculture, İzmir, Turkey, 25 - 29  
September 2005, pp.6-12

## Supported Projects

ÇİÇEK G., SÜMER S. K., EGESEL C. Ö., AYDIN A., SAY S. M., Project Supported by Higher Education Institutions, Güney Marmara Bölgesi Zeytin Çeşitlerinde Budama Artık Katsayılarının ve Potansiyelinin Belirlenmesi, 2018 - 2020

AYDIN A., OR A., ÇAY A., POLAT B., Project Supported by Higher Education Institutions, Çanakkale İli Çiftçilerinin Hassas Hayvancılık Teknolojisi Kullanım Düzeyinin Belirlenmesi, 2018 - 2020

AYDIN A., POLAT B., ÇAY A., OR A., Project Supported by Higher Education Institutions, Çanakkale İli Büyükbaş Süt Hayvancılığı Çiftliklerinin Mevcut Aydınlatma Durumlarının Tespiti Matematiksel Analizi ve Enerji Verimliliğinin Belirlenmesi, 2018 - 2019

AYDIN A., Project Supported by Higher Education Institutions, Hassas Hayvancılık Araştırmalarını Destekleme Projesi, 2018 - 2019

ÖZPINAR S., ÇAY A., AYDIN A., Project Supported by Higher Education Institutions, Yarı Kurak Tarım Koşullarında Kışlık Fiğ *Vicia Sativa* İlk Ürün Ayçiçek Üretiminde (*Helianthus annuus* L) Farklı Toprak İşleme Sistemlerinin ve Yeşil Gübrelemenin Toprak Özellikleri ve Verim Üzerine Etkisinin Belirlenmesi, 2015 - 2017

ÖZPINAR S., AYDIN A., ÇAY A., VATANSEVER G., IŞIKTEPE M., Project Supported by Higher Education Institutions, Çanakkale Yarı Kurak Tarım Koşullarında Kışlık Fiğ (*Vicia Sativa* L.) - İkinci Ürün Mısır (*Zea Mayps* L.) Üretiminde Korunmalı Toprak İşleme Sistemlerinin Toprak Özellikleri ve Verim Üzerine Etkisinin Araştırılması, 2007 - 2009

SÜMER S. K., ÖZPINAR S., AYDIN A., M.SAY S., Project Supported by Higher Education Institutions, Çanakkale İlinde Kullanılmış Traktör Fiyatlarının Değerlendirilmesi, 2006 - 2008

ÖZPINAR S., BAYTEKİN H., AYDIN A., ÇAY A., Project Supported by Higher Education Institutions, Çanakkale İlinde Kuru Tarım Koşullarında Buğday ve Fiğ Üretiminde Farklı Ekim Sistemlerinin Karşılaştırılması, 2005 - 2007

ÖZPINAR S., AYDIN A., ÇAY A., Project Supported by Higher Education Institutions, Kuru tarım koşullarında buğday üretiminde farklı toprak işleme yöntemlerinin yabancı ot popülasyonu ve toprak özelliklerine etkileri, 2004 - 2006

ÖZPINAR S., ÇAY A., AYDIN A., Project Supported by Higher Education Institutions, Çanakkale ili domates üretiminde farklı toprak işleme yöntemlerinin karşılaştırılması üzerine bir araştırma, 2003 - 2006

## Metrics

Publication: 105

Citation (WoS): 229

Citation (Scopus): 355

H-Index (WoS): 7

H-Index (Scopus): 8

## Scholarships

Yurt Dışı Doktora Bursu, YOK, 2008 - Continues