

## Prof. ZELİHA BEREKET BARUT

### Personal Information

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### International Researcher IDs

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ScopusID: 6506626512

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### Education Information

Doctorate, Cukurova University, Tarım Makinaları ve Teknolojileri Mühendisliği, Tarım Makinaları, Turkey 1991 - 1996

Postgraduate, Cukurova University, Tarım Makinaları ve Teknolojileri Mühendisliği, Tarım Makinaları, Turkey 1987 - 1990

Undergraduate, Cukurova University, Tarım Makineleri ve Teknolojileri Mühendisliği, Tarım Makinaları, Turkey 1983 - 1987

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Other, Advances in Agriculture, Volcani Center, 2003

### Dissertations

Doctorate, Farklı Tohumların Ekiminde Kullanılan Düşey Plakalı Hava Emişli Hassas Ekici Düzenin Uygun Çalışma Koşullarının Saptanması, Cukurova University, Tarım Makinaları ve Teknolojileri Mühendisliği, Tarım Makinaları, 1996

Postgraduate, Turunçgil Budamasında Uygulanan Farklı Mekanizasyon Yöntemlerinin Teknik ve Ekonomik Yönden İrdelenmesi Üzerine Bir Araştırma, Cukurova University, Tarım Makinaları ve Teknolojileri Mühendisliği, Tarım Makinaları, 1990

### Research Areas

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

## Academic Titles / Tasks

Professor, Cukurova University, 2013 - Continues

Associate Professor, Cukurova University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği, 2006 - 2013

Assistant Professor, Cukurova University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği, 2003 - 2006

Assistant Professor, Cukurova University, Ceyhan Myo, Tarım Makinaları, 1998 - 2003

Lecturer PhD, Cukurova University, Ceyhan Myo, Tarım Makinaları, 1997 - 1998

Research Assistant, Akdeniz University, Ziraat Fakültesi, Tarım Makinaları, 1990 - 1996

## Academic and Administrative Experience

Head of Department, Cukurova University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği, 2021 - 2024

Erasmus Program Institutional Coordinator, Cukurova University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği, 2019 - 2021

Deputy Head of Department, Cukurova University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği, 2003 - 2012

Faculty Management Board Member, Cukurova University, Ziraat Fakültesi, Tarım Makineleri Ve Teknolojileri Mühendisliği, 2008 - 2011

Head of Department, Cukurova University, Ceyhan Meslek Yüksek Okulu, Teknik Programlar, 1997 - 2003

Head of Department, Cukurova University, Ceyhan Meslek Yüksek Okulu, Makine Ve Metal Teknolojileri, 1997 - 2003

## Courses

### Doctorate

Uzmanlık Alan Dersi, Doctorate, 2015 - 2016

Uzmanlık Alan Dersi, Doctorate, 2014 - 2015

Doğrudan Ekim Tekniği, Doctorate, 2013 - 2014

Ekim Makinaları Projelendirme Esasları, Doctorate, 2014 - 2015

### Postgraduate

Korumalı Toprak İşleme, Postgraduate, 2018 - 2019

Sürdürülebilir Tarım Teknolojileri, Postgraduate, 2015 - 2016

Korumalı Toprak İşleme Sistemleri, Postgraduate, 2014 - 2015

Toprak İşleme ve Toprak Bitki Mekaniği, Postgraduate, 2015 - 2016

### Undergraduate

İşyeri Eğitimi, Undergraduate, 2023 - 2024

MELİORASYON MAKİNALARI, Undergraduate, 2023 - 2024

Sürdürülebilir Tarım, Undergraduate, 2018 - 2019

Teknik Resim, Undergraduate, 2018 - 2019

Ekim Dikim Gübreleme Makinaları, Undergraduate, 2018 - 2019

Toprak İşleme Makinaları, Undergraduate, 2018 - 2019

Tarımsal Mekanizasyon, Undergraduate, 2014 - 2015

Toprak İşleme Makinaları, Undergraduate, 2014 - 2015

Sürdürülebilir Tarım, Undergraduate, 2013 - 2014

## Supervised Theses

- Bereket Barut Z., Kazıcı yükleyicilerde izolasyonun gürültü düzeyi üzerine etkisinin belirlenmesi, Postgraduate, H.ALYAĞUT(Student), 2023
- Bereket Barut Z., Çukurova koşullarında buğday-soya münavebesinde sürekli sırta ekim tekniğinde farklı anız yoğunlukları ve çizi açıcı ayakların teknik ve ekonomik yönden karşılaştırılması, Doctorate, S.AYKANAT(Student), 2021
- Bereket Barut Z., Doğrudan ekim makinalarında kullanılan farklı T tipi çizi açıcı ayakların ekim başarısına etkisinin belirlenmesi üzerine bir araştırma, Postgraduate, S.ÖZDEMİR(Student), 2020
- Bereket Barut Z., Doğrudan ekim makinalarında diskli çizi açıcı ayakların çeki kuvveti gereksiniminin farklı kaplama uygulamaları ile iyileştirme olanaklarının araştırılması, Doctorate, M.ABDULLAH(Student), 2019
- BEREKET BARUT Z., Doğrudan Ekim Makinalarında Çizi Açıcı Ayak Tipleri İçin Bası Yüklerinin Belirlenmesi, Doctorate, M.Murat(Student), 2014
- BEREKET BARUT Z., BUĞDAY TARIMINDA FARKLI TOPRAK İŞLEME VE EKİM YÖNTEMLERİNİN TEKNİK VE EKONOMİK YÖNDEN KARŞILAŞTIRILMASI, Postgraduate, S.AYKANAT(Student), 2009
- BEREKET BARUT Z., İKİNCİ ÜRÜN SİLAJLIK MISIR TARIMINDA FARKLI TOPRAK İŞLEME VE EKİM SİSTEMLERİNİN TEKNİK VE EKONOMİK YÖNDEN KARŞILAŞTIRIMASI, Postgraduate, H.Ali(Student), 2007
- BEREKET BARUT Z., Ekim Makinalarında Elektronik Tabanlı Tohumlar Arası Uzaklık Ölçme Sistemi, Postgraduate, K.Yiğit(Student), 2006

## Jury Memberships

- Post Graduate, Teaz Savunma Jürüsü, Çukurova Üniversitesi, January, 2020
- Post Graduate, Tez Savunma Jürisi, Süleyman Demirel, April, 2019
- Doctorate, Tez Savunma Jürisi, Çukurova Üniversitesi, February, 2019
- Associate Professor Exam, Doçentlik sınav jürisi, Çukurova Üniversitesi, April, 2016
- Appointment to Academic Staff-Assistant Professorship, Prof. Ataması, Çukurova Üniversitesi, February, 2016
- Appointment to Academic Staff-Assistant Professorship, Akademik Kadroya Atama Jürisi, Süleyman Demirel Üniversitesi, September, 2015
- Doctorate, Tez Savunma Jürisi, Çukurova Üniversitesi, February, 2015
- Doctorate, Tez Savunma Jürisi, Çukurova Üniversitesi, May, 2010

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

- I. **Interactive Effect of Irrigation and Sowing Methods on Yield, Quality, and Water Productivity of Quinoa under Ridge Sowing Technique**  
SEZEN S. M., Yıldız M., ÖZER M. S., Jacobsen S., Gunacti H., BERKET BARUT Z., Kara O., Maambo C. M.  
Journal of Soil Science and Plant Nutrition, 2024 (SCI-Expanded)
- II. **EFFECT OF INVERTED T-TYPE FURROW OPENERS OF NO-TILL MACHINE ON SOWING UNIFORMITY**  
Özdemir S., BERKET BARUT Z.  
AMA, AGRICULTURAL MECHANIZATION IN ASIA, AFRICA AND LATIN AMERICA, vol.52, no.1, pp.2047-2056, 2021 (SCI-Expanded)
- III. **Soil quality assessment to compare tillage systems in Cukurova Plain, Turkey.**  
Çelik İ., Günel H., Acir N., Barut Z. B., Budak M.  
Soil & Tillage Research, vol.208, no.104892, pp.104892, 2021 (SCI-Expanded)
- IV. **Evaluating the long- term effects of tillage systems on soilstructural quality using visual assessment and classical methods**  
Çelik İ., Günel H., Acar M., Acir N., Bereket Barut Z., Budak M.  
SOIL USE AND MANAGEMENT, vol.36, no.2, pp.223-239, 2020 (SCI-Expanded)
- V. **Strategic tillage may sustain the benefits of long-term no-till in a Vertisol under Mediterranean**

## climate

ÇELİK İ., Gunal H., ACAR M., Acir N., Barut Z., BUDAK M.  
SOIL & TILLAGE RESEARCH, vol.185, pp.17-28, 2019 (SCI-Expanded)

- VI. **Different Tillage Systems Affect Plant Emergence, Stand Establishment and Yield in Wheat-Corn Rotation**  
Barut Z., ÇELİK İ.  
PHILIPPINE AGRICULTURAL SCIENTIST, vol.93, no.4, pp.392-398, 2010 (SCI-Expanded)
- VII. **Tillage Effects on Soil Quality Indicators in the Semi-Arid Mediterranean Coastal Plain of Turkey**  
Barut Z., ÇELİK İ.  
PHILIPPINE AGRICULTURAL SCIENTIST, vol.92, no.3, pp.290-300, 2009 (SCI-Expanded)
- VIII. **SEED COATING AND TILLAGE EFFECTS ON SESAME STAND ESTABLISHMENT AND PLANTER PERFORMANCE FOR SINGLE SEED SOWING**  
Barut Z.  
APPLIED ENGINEERING IN AGRICULTURE, vol.24, no.5, pp.565-571, 2008 (SCI-Expanded)
- IX. **Effect of seed coating on the accuracy of single-seed sowing of sesame under field conditions**  
Bereket Barut Z., Çağırman M. İ.  
AUSTRALIAN JOURNAL OF EXPERIMENTAL AGRICULTURE, vol.46, no.1, pp.71-76, 2006 (SCI-Expanded)
- X. **Energy analysis of the tillage systems in second crop corn production**  
OZTURK H. H., EKINCI K., Barut Z. B.  
JOURNAL OF SUSTAINABLE AGRICULTURE, vol.28, no.3, pp.25-37, 2006 (SCI-Expanded)
- XI. **Mathematical modelling of vacuum pressure on a precision seeder**  
Karayel D., Barut Z., Ozmerzi A.  
BIOSYSTEMS ENGINEERING, vol.87, no.4, pp.437-444, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Design Approaches of One-Pass Strip-Till Machines**  
Bereket Barut Z., Özdemir S.  
LECTURE NOTES IN CIVIL ENGINEERING, vol.458, no.1, pp.60-67, 2024 (Scopus)
- II. **A Research on Metal and Metallurgical Properties of Chisel Plough Shanks**  
Bereket Barut Z., Özdemir S.  
BIO Web of Conferences , vol.85, pp.1-5, 2024 (Scopus)
- III. **The Effect of Different Tillage Methods on Plant Emergence Parameters for Wheat**  
BEREKET BARUT Z., ÖZDEMİR S.  
LECTURE NOTES IN CIVIL ENGINEERING, vol.458, no.1, pp.51-59, 2024 (Scopus)
- IV. **DETERMINATION OF ENERGY CONSUMPTION AND CARBON DIOXIDE EMISSIONS RELATED TO FUEL CONSUMPTION FOR AGRICULTURAL MECHANIZATION APPLICATIONS**  
ÖZDEMİR S., AYHAN B., ÖZTÜRK H. H., BEREKET BARUT Z.  
Acta Technica Corviniensis-Bulletin of Engineering, vol.16, no.3, pp.111-114, 2023 (Peer-Reviewed Journal)
- V. **SPECIFIC MEASURES FOR ENERGY SAVING IN SOIL TILLAGE**  
ÖZDEMİR S., AYHAN B., ÖZTÜRK H. H., BEREKET BARUT Z.  
Annals of the Faculty of Engineering Hunedoara, vol.21, no.2, pp.143-148, 2023 (Peer-Reviewed Journal)
- VI. **Doğrudan Ekim Makinalarında Kullanılan Farklı T Tipi Çizi Açıcı Ayakların Ekim Başarısına Etkisinin Belirlenmesi Üzerine Bir Araştırma**  
BEREKET BARUT Z., Özdemir S.  
Tarım Makinaları Bilimi Dergisi, vol.16, no.3, pp.26-34, 2020 (Peer-Reviewed Journal)
- VII. **Different Tillage under Semi-Arid Mediterranean Conditions: Some Physical Soil Quality Indicators and Their Relations**  
BARUT Z., TURGUT M. M., ÇELİK İ.  
Proceedings of CIGR2018, vol.1, no.1, pp.37-50, 2018 (Peer-Reviewed Journal)

- VIII. **Tillage Effects On Soil Organic Carbon, Microbial Biomass Carbon and Beta-Glucosidase Enzyme Activity in A Typic Haploxerert Soil.**  
ACAR M., ÇELİK İ., GÜNAL H., ACİR N., BARUT Z., BUDAK M.  
SCIENTIFIC PAPERS-SERIES A-AGRONOMY, vol.61, no.1, pp.13-20, 2018 (Peer-Reviewed Journal)
- IX. **Long-Term Tillage Induced Changes in Physical Attributes of a Clayey Soil in Eastern Mediterranean Region**  
ÇELİK İ., GÜNAL H., ACAR M., BERKET BARUT Z., ACİR N., BUDAK M.  
Scienco, vol.1, no.1, pp.32-39, 2018 (Peer-Reviewed Journal)
- X. **Long-Term Tillage Induced Changes in Physical Attributes of a Clayey Soil in Eastern Mediterranean Region**  
ÇELİK İ., GÜNAL H., ACAR M., BERKET BARUT Z., ACİR N., BUDAK M.  
Scienco, vol.1, no.1, pp.32-39, 2018 (Peer-Reviewed Journal)
- XI. **Tillage effects on some soil physical properties in a semi-arid mediterranean region of Turkey**  
BARUT Z., ÇELİK İ.  
CHEMICAL ENGINEERING TRANSACTIONS, vol.58, no.1, pp.217-222, 2017 (Peer-Reviewed Journal)
- XII. **Soil CO2 Emissins Under Conventional And Conservational Tillage Methods In Soybean Cultivation In Cukurova Plain Of Turkey**  
AKBOLAT D., BARUT Z., TURGUT M. M., ÇELİK İ.  
SERIES A. AGRONOMY, 2016 (Peer-Reviewed Journal)
- XIII. **Yazlık tohum yatağı hazırlığında farklı toprak işleme yöntemlerinin toprak co2 salımına etkisi**  
Bereket Barut Z., Turgut M., ÇELİK İ., Akbolat D.  
TARIM MAKİNALARI BİLİMİ DERGİSİ, vol.9, no.3, pp.187-191, 2013 (Peer-Reviewed Journal)
- XIV. **Çukurova Koşullarında Kolza Üretiminde Farklı Mekanizasyon Uygulamalarının Enerji Etkinliğinin Belirlenmesi**  
EREN Ö., TURGUT M. M., ÖZTÜRK H. H., BERKET BARUT Z., ÖZGÜVEN M.  
Çukurova Üniversitesi Ziraat Fakültesi Dergisi, vol.26, no.1, pp.11-24, 2011 (Peer-Reviewed Journal)
- XV. **İkinci Ürün Silajlık Mısır Üretiminde Farklı Toprak İşleme ve Ekim Yöntemlerinin Verim ve Ekonomik Yönden Karşılaştırılmaları**  
Karaağaç H. A., BARUT Z., Çakır B., Aykanat S., Bolat A., Sağlam C.  
Tarım Makinaları Bilimi Dergisi, vol.6, no.4, pp.261-266, 2010 (Peer-Reviewed Journal)
- XVI. **Buğday Tarımında Farklı Toprak İşleme Sistemlerinin Toprağın Bazı Fiziksel Özelliklerine Etkisi**  
Bereket Barut Z., ÇELİK İ.  
TARIM MAKİNALARI BİLİMİ DERGİSİ, vol.4, no.6, pp.237-246, 2010 (Peer-Reviewed Journal)
- XVII. **İkinci Ürün Silajlık Mısır Tarımında Farklı Toprak İşleme ve Ekim Sistemlerinin Teknik ve Ekonomik Yönden Karşılaştırılması**  
KARAAĞAÇ H. A., BARUT Z.  
TarımMakinaları Bilimi Dergisi, vol.3, no.1, pp.33-40, 2007 (Peer-Reviewed Journal)
- XVIII. **Effect of different operating parameters on seed holding in the single seed metering unit of a pneumatic planter**  
BARUT Z.  
Turkish Journal of Agricultural Machinery, vol.28, no.6, pp.435-441, 2004 (Peer-Reviewed Journal)

## Books

- I. **Tarım Topraklarımızın Sağlığı İçin Bölgelere Özel Toprak Koruma Yöntemleri**  
NAMLI A., Poyraz Erdem D., AYKAS E., GÜNAL H., ORTAŞ İ., OKUR İ. B., KUTLU İ., ÖZBERK İ., BARİK K., ÇULLU M. A., et al.  
WWF Türkiye, İstanbul, 2023
- II. **Wheat Agriculture and Applied of Conservation Tillage Methods in Adana**  
BEREKET BARUT Z., Özdemir S.

- in: International Current Research on Agriculture and Food Technologies, Tunahan ERDEM, Melis ÇELİK GÜNEY, Hakan GÜNEY, Editor, Akademisyen Kitabevi A.Ş., Ankara, pp.57-70, 2022
- III. **Ekim, Dikim, Gübreleme ve Bakım Mekanizasyonu**  
BEREKET BARUT Z., AYKAS E., KARAYEL D., Özmerzi A., YAZGI A.  
in: Tarım Makinaları Çözümlü Problemler, Ertekin, Can: Comart, Adem, Editor, Nobel, Ankara, pp.17-36, 2022
- IV. **Toprak İşleme Makinaları**  
BEREKET BARUT Z., AKBOLAT D., AKINCI İ.  
in: Tarım Makinaları Çözümlü Problemleri, Ertekin, Can: Comart, Adem, Editor, Nobel, Ankara, pp.1-16, 2022
- V. **Türkiye'de Şeritvari Toprak İşleme ve Ekim Uygulamalarının Durumu**  
BEREKET BARUT Z., ÖZDEMİR S.  
in: Tarımsal Mekanizasyon ve Enerji Üzerine Güncel Araştırmalar II, Bahadır Sayıncı, Editor, Akademisyen, Ankara, pp.173-184, 2022
- VI. **TEKNİK RESİM**  
Say S. M., Bozdoğan A. M., İnce A., Bereket Barut Z., Erdem T., Civelek Ç., Şehri M.  
Akademisyen Yayınevi Kitabevi, Ankara, 2020
- VII. **Ölçülendirme ve Ölçek**  
BEREKET BARUT Z.  
in: Teknik Resim, Zeliha bereket Barut, Tunahan Erdem, Editor, Akademisyen Kitabevi AŞ, Adana, pp.80-95, 2020
- VIII. **Geometrik Çizimler**  
BEREKET BARUT Z.  
in: Teknik Resim, Zeliha Bereket Barut, Tunahan Erdem, Editor, Akademisyen Kitabevi AŞ, Adana, pp.13-20, 2020

## Papers Published in Refereed Scientific Meetings

- I. **WHEAT AGRICULTURE AND APPLIED OF CONSERVATION TILLAGE METHODS IN ADANA**  
BEREKET BARUT Z., ÖZDEMİR S.  
International Conference on Research of Agricultural and Food Technologies (I-CRAFT), Adana, Turkey, 6 - 08 October 2022, vol.1, pp.1-59
- II. **TÜRKİYE'DE ŞERİTVARİ TOPRAK İŞLEME VE EKİM UYGULAMALARININ DURUMU**  
BEREKET BARUT Z., ÖZDEMİR S.  
34. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Bilecik, Turkey, 07 September 2022, vol.1, pp.1-228
- III. **Toprak İşleme Çizel Makinaların ve Çizel Ayakların Optimal Tasarımı**  
BEREKET BARUT Z., Özdemir S.  
33. Ulusal Tarımsal Mekanizasyon ve Enerji Kongresi, Isparta, Turkey, 1 - 03 October 2021, vol.1, pp.42-43
- IV. **Effects of Tillage Systems on Soil Carbon Stock and Structural Stability of A Typic Haploxerert**  
ACAR M., ÇELİK İ., GÜNAL H., ACİR N., BERKET BARUT Z.  
International Soil Congress 2019 "Successful Transformation toward Land Degradation Neutrality: Future Perspective", Ankara, Turkey, 17 - 19 June 2019, pp.237
- V. **Different Tillage under Semi-Arid Mediterranean Conditions: Some Physical Soil Quality Indicators and Their Relations**  
BARUT Z., TURGUT M. M., ÇELİK İ.  
XIX. World Congress of CIGR, Antalya, Turkey, 22 - 25 April 2018, vol.1, pp.37-50
- VI. **Soil water response to conventional, reduced and no-till systems in eastern mediterranean region of Turkey**  
ACAR M., ÇELİK İ., GÜNAL H., BERKET BARUT Z., ACİR N.  
Environment and Soil Resources Conservation, Almati, Kazakhstan, 17 - 19 October 2018, pp.56
- VII. **Biological soil quality as affected by reduced and strategic tillage practices in an alluvial field**  
ÇELİK İ., GÜNAL H., ACAR M., ACİR N., BERKET BARUT Z., BUDAK M.  
Environment and Soil Resources Conservation, Almati, Kazakhstan, 17 - 19 October 2018, pp.141
- VIII. **Effects of ten-year conventional and conservational tillage practices on resistance to physical**

**degradation function**

ÇELİK İ., GÜNAL H., ACAR M., BARUT Z., ACİR N.

10th International Soil Science Congress on "Environment and Soil Resources Conservation, Almata, Kazakhstan, 17 - 19 October 2018, vol.1, pp.48

- IX. **Tillage Effects on Soil Organic Carbon, Microbial Biomass Carbon and Beta-Glucosidase Enzyme Activity in a Typic Haploxerert Soil**  
ACAR M., ÇELİK İ., GÜNAL H., ACİR N., BARUT Z., BUDAK M.  
International Conference "Agriculture for Life, Life for Agriculture", Bucharest, Romania, 7 - 09 June 2018, pp.17
- X. **Long-term tillage induced changes in physical attributes of a clayey soil in eastern Mediterranean region**  
ÇELİK İ., GÜNAL H., ACAR M., BERKET BARUT Z., ACİR N., BUDAK M.  
Agriculture for Life, Life for Agriculture, Bükreş, Romania, 7 - 09 June 2018, pp.25
- XI. **TILLAGE EFFECTS ON SOIL ORGANIC CARBON, MICROBIAL BIOMASS CARBON AND BETA-GLUCOSIDASE ENZYME ACTIVITY IN A TYPIC HAPLOXERERT SOIL**  
ACAR M., ÇELİK İ., GÜNAL H., ACİR N., BARUT Z., BUDAK M.  
International Congress "Agriculture for Life, Life for Agriculture", Budapest, Hungary, 7 - 09 June 2018, vol.61, pp.13-20
- XII. **Long-Term Tillage Induced Changes in Physical Attributes of A Clayey Soil in Eastern Mediterranean Region**  
ÇELİK İ., GÜNAL H., ACAR M., BARUT Z., ACİR N., BUDAK M.  
International Congress "Agriculture for Life, Life for Agriculture", Budapest, Hungary, 7 - 09 June 2018, vol.1, pp.32-39
- XIII. **Soil Carbon Storage Potential as Affected by Long Term Conventional and Conservational Tillage Practices**  
ACAR M., ÇELİK İ., GÜNAL H., ACİR N., BERKET BARUT Z.  
International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.534
- XIV. **Changes in Soil Physical Quality Induced by the Reduction of Soil Tillage in a Long-term Experiment in Eastern Mediterranean Region**  
ÇELİK İ., GÜNAL H., ACAR M., BERKET BARUT Z., ACİR N., BUDAK M.  
International Agricultural Science Congress, Van, Turkey, 9 - 12 May 2018, pp.531
- XV. **Tillage induced modifications in stability of soil aggregates**  
ÇELİK İ., GÜNAL H., ACAR M., ACİR N., BARUT Z.  
Central Anatolia Region Third Agriculture and Food Congress, Sivas, Turkey, 26 - 28 October 2017, pp.235-236
- XVI. **Effects of tillage systems on distribution of soil chemical attributes in surface horizon of a clayey soil.**  
ÇELİK İ., GÜNAL H., ACAR M., ACİR N., BARUT Z.  
Central Anatolia Region Third Agriculture and Food Congress, 26 - 28 October 2017, pp.509-510
- XVII. **Effects of Long-Term Soil Tillage and Crop Rotation on Soil Biological Quality**  
ÇELİK İ., GÜNAL H., ACAR M., ACİR N., BARUT Z.  
5th International Participation Soil and Water Resources Congress, Kırklareli, Turkey, 12 - 15 September 2017, pp.17
- XVIII. **Variation of Chemical Soil Quality under Different Soil Tillage Systems**  
ÇELİK İ., GÜNAL H., ACAR M., ACİR N., BARUT Z.  
5th International Participation Soil and Water Resources Congress, Kırklareli, Turkey, 12 - 15 September 2017, pp.167
- XIX. **Can Conservational Soil Tillage Systems Reduce Physical Soil Quality**  
ACAR M., ÇELİK İ., GÜNAL H., BARUT Z., ACİR N.  
5th International Participation Soil and Water Resources Congress, Kırklareli, Turkey, 12 - 15 September 2017, pp.16
- XX. **Tillage effects on some soil physical properties in semi-arid Mediterranean region of Turkey**  
BARUT Z., ÇELİK İ.

- XXXVII CIOSTA CIGR Section V Conference: Research and Innovation for the Sustainable and Safe Management of Agr. and Forestry Systems, Palermo, Italy, 13 - 15 June 2017, vol.1, pp.53
- XXI. **Effects of tillage systems on energy use for wheat-corn production in Turkey**  
BARUT Z., ÇELİK İ., TURGUT M. M.  
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- XXIII. **Tillage Induced Changes in Biological Characteristics of A Typic Haploxerert Soil**  
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BARUT Z., ÇELİK İ., TURGUT M. M.  
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- XXX. **SOIL CO<sub>2</sub> EMISSIONS UNDER CONVENTIONAL AND CONSERVATIONAL TILLAGE METHODS IN SOYBEAN CULTIVATION IN CUKUROVA PLAIN OF TURKEY**  
AKBOLAT D., BARUT Z., TURGUT M. M., ÇELİK İ.  
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- XXXI. **Effects of Tillage Equipments on CO<sub>2</sub> Emission from Soil**  
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International Conference of Agricultural Engineering, CIGR-AgEng2012, Valencia, Spain, 8 - 12 July 2012, pp.2
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- XXXV. **Energy Balance of Wheat and Maize Crops Production in Haciali Undertaking**  
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- XXXVI. **Effects of Conventional and Conservation Tillage on Some Soil Properties in Southern Turkey**  
Bereket Barut Z., ÇELİK İ.  
34th CIOSTA and CIGR 5 Conference, Vienna, Austria, 29 June - 01 July 2011, pp.1
- XXXVII. **Farklı Toprak İşleme Sistemlerinin Silajlık Mısır Gelişimi ve İşletme Ekonomisine Etkisi Tarımsal Mekanizasyon 25 Ulusal Kongresi**  
Karaağaç H. A., BARUT Z.  
25. Ulusal Kongresi, Turkey, 1 - 03 October 2009
- XXXVIII. **Evaluation of Energy Efficiency For Tillage Methods In The Second Crop Corn Production In Cukurova Region**  
BEREKET BARUT Z., ÖZTÜRK H. H., CEBECİ Z.  
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- XXXIX. **Comparison of energy use for sustainable tillage systems in second crop corn production**  
ÖZTÜRK H. H., BEREKET BARUT Z.  
2nd International Exergy, Energy and Environment Symposium (IEEES2), Kos, Greece, 3 - 07 July 2005, pp.231-239
- XL. **Türkiye tarımında enerji kullanımı**  
ÖZTÜRK H. H., BEREKET BARUT Z.  
Türkiye Ziraat Mühendisliği VI. Teknik Kongresi, Ankara, Turkey, 3 - 07 January 2005, pp.1253-1264

## Supported Projects

- BEREKET BARUT Z., ALSHAHEED M. A. A., Project Supported by Higher Education Institutions, DOĞRUDAN EKİM MAKİNALARINDA DİSKLİ ÇİZİ AÇICI AYAKLARIN ÇEKİ KUVVETİ GEREKSİNİMİNİN FARKLI KAPLAMA UYGULAMALARI İLE İYİLEŞTİRME OLANAKLARININ ARAŞTIRILMASI, 2016 - 2019
- BEREKET BARUT Z., ÇELİK İ., Project Supported by Higher Education Institutions, Tillage Effects On Some Soil Physical Properties In Semi-Arid Mediterranean Region Of Turkey, 2017 - 2017
- BEREKET BARUT Z., Project Supported by Higher Education Institutions, Effects of different tillage systems on soil quality in a Clayey Soil of Turkey, 2016 - 2016
- BEREKET BARUT Z., CİVELEK Ç., SAY S. M., Project Supported by Higher Education Institutions, 8.Koruyucu Toprak İşleme ve Doğrudan Ekim Çalıştayı, 2015 - 2015
- BEREKET BARUT Z., Project Supported by Higher Education Institutions, Effects of the Tillage Systems in Wheat Cultivation on Soil CO2 Emission, 2014 - 2015
- BEREKET BARUT Z., Project Supported by Higher Education Institutions, Bir Doğrudan Ekim Makinasında Bazı Çizi Açıcı Ayak Tipleri İçin Farklı Yoğunluktaki Buğday Anızlarında Bası Yüklerinin Belirlenmesi, 2012 - 2014

## Metrics

- Publication: 79  
Citation (WoS): 111  
Citation (Scopus): 179  
H-Index (WoS): 4  
H-Index (Scopus): 3

## **Congress and Symposium Activities**

XIXth World Congress of the International Commission of Agricultural Engineering (CIGR), Attendee, Antalya, Turkey, 2018

XVIIIth World Congress of the International Commission of Agricultural Engineering (CIGR), Attendee, Beijing, China, 2014

International Conference of Agricultural Engineering, CIGR-AgEng2012, Attendee, Valensiya, Spain, 2012

11th International Congress on Mechanization and Energy in Agriculture, Attendee, İstanbul, Turkey, 2011

34th CIOSTA and CIGR 5 Conference, Attendee, Viyana, Austria, 2011

XVIIth World Congress of the International Commission of Agricultural Engineering (CIGR), Attendee, Quebec City, Canada, 2010

## **Non Academic Experience**

Non-profit Organisation, Ziraat Mühendisleri Odası

The Agricultural Research Organization, Science and technology in Agriculture