

## Res. Asst. HANDE SAĞIR

### Personal Information

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### Education Information

Doctorate, Cukurova University, Toprak Bilimi Ve Bitki Besleme Bölümü, Toprak Bilimi Ve Bitki Besleme Bölümü, Turkey 2013 - Continues

Postgraduate, Cukurova University, Toprak Bilimi Ve Bitki Besleme Bölümü, Toprak Bilimi Ve Bitki Besleme Bölümü, Turkey 2011 - 2013

Postgraduate, Ege University, Toprak Bilimi Ve Bitki Besleme Bölümü, Toprak, Turkey 2010 - 2011

Undergraduate, Ege University, Toprak Bilimi Ve Bitki Besleme Bölümü, Turkey 2006 - 2010

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Postgraduate, ÇUKUROVA BÖLGESİNDE DRENAJ SULARINDA NİTRAT KONSANTRASYONLARININ ZAMANSAL DEĞİŞİMİ, Cukurova University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme Bölümü, 2013

### Research Areas

Agricultural Sciences, Agriculture, Soil and Plant Feed, Nutritive Principles, Complete Fertilizers, Methods of Application, Soil Fertility, Acidity, Alkanility

### Academic Titles / Tasks

Research Assistant, Cukurova University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme Bölümü, 2011 - Continues

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

- Considering Residual Soil Mineral Nitrogen in Corn Fertilizer Recommendations in an Irrigated Mediterranean Area**

İBRİKÇİ H., Koca Y. K., ÇETİN M. T., KARNEZ E., Koca G. B., SAĞIR H., RYAN J., İslam K. R.

COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.49, no.2, pp.202-214, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Sulu tarımın yapıldığı Akarsu sulama havzasında drenajla oluşan kayıpların zamansal izlenmesi**  
İBRİKÇİ H., ÇETİN M., SAĞIR H., UÇAN M., GÖLPINAR M. S., KARNEZ E.  
Çukurova Tarım Gıda Bilimleri Dergisi, vol.31, pp.153-163, 2016 (Peer-Reviewed Journal)
- II. **Sulu Tarımın Yapıldığı Akarsu Sulama Havzasında Drenajla Oluşan Azot Kayıplarının Zamansal İzlenmesi**  
İBRİKÇİ H., ÇETİN M., SAĞIR H., UÇAN M., GÖLPINAR M. S., KARNEZ E.  
Çukurova Tarım ve Gıda Bilimleri Dergisi, vol.31, no.3, pp.153-163, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey**  
KARNEZ E., SAĞIR H., Glavan M., GÖLPINAR M. S., ÇETİN M., Akgül M. A., İBRİKÇİ H., PINTAR M.  
in: Water Quality, Hlanganani Tutu, Editor, Books International , Londra, pp.135-158, 2017
- II. **Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey**  
KARNEZ E., SAĞIR H., Glavan M., GÖLPINAR M. S., ÇETİN M., Akgül M. A., İBRİKÇİ H., PINTAR M.  
in: Water Quality, Hlanganani Tutu, Editor, Books International , Londra, pp.135-158, 2017
- III. **Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey**  
KARNEZ E., SAĞIR H., Glavan M., GÖLPINAR M. S., ÇETİN M., Akgül M. A., İBRİKÇİ H., PINTAR M.  
in: Water Quality, Hlanganani Tutu, Editor, Books International , Londra, pp.135-158, 2017
- IV. **Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey**  
KARNEZ E., SAĞIR H., Glavan M., GÖLPINAR M. S., ÇETİN M., Akgül M. A., İBRİKÇİ H., PINTAR M.  
in: Water Quality, Hlanganani Tutu, Editor, InTech, pp.135-158, 2017
- V. **Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey**  
Karnez E., SAĞIR H., Glavan M., GÖLPINAR M. S., ÇETİN M., Akgül M. A., İBRİKÇİ H., PINTAR M.  
in: Water Quality, Tutu, H., Editor, Intechopen, Rijeka, pp.135-158, 2017
- VI. **Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey**  
Karnez E., SAĞIR H., Glavan M., GÖLPINAR M. S., ÇETİN M., Akgül M. A., İBRİKÇİ H., PINTAR M.  
in: Water Quality, Tutu H. <http://dx.doi.org/10.5772/65809>, Editor, Intechopen, Rijeka, pp.136-158, 2017
- VII. **Modeling Agricultural Land Management to Improve Understanding of Nitrogen Leaching in an Irrigated Mediterranean Area in Southern Turkey**  
Karnez E., SAĞIR H., Glavan M., GÖLPINAR M. S., ÇETİN M., Akgül M. A., İBRİKÇİ H., PINTAR M.  
in: Water Quality, Hlanganani Tutu; <http://dx.doi.org/10.5772/65809>, Editor, Intechopen, Rijeka, pp.136-158, 2017

## Refereed Congress / Symposium Publications in Proceedings

- I. **Plant Nitrogen and Yield Relationships in Corn Grown in Cukurova Region**  
Balci Koca G., İBRİKÇİ H., ÇETİN M., KOCA Y. K., KARNEZ E., SAĞIR H.  
I. International Agricultural Science Congress, 9 - 12 May 2018, pp.525
- II. **Estimation of Hydrological Components with the Calibrated SWAT Model in an Irrigation Catchment of Southern Turkey**  
GÖLPINAR M. S., ÇETİN M., İBRİKÇİ H., SAĞIR H.

1st International Congress on Agricultural Structures and Irrigation, Antalya, Turkey, 26 - 28 September 2018, pp.466-474

- III. **Nitrogen Management Tools in an Irrigated Agricultural Land**  
İBRİKÇİ H., ÇETİN M., SAĞIR H., KARNEZ E., FINK M., GLAVAN M., PINTAR M., RYAN J.  
2017 International Annual Meeting. American Society Agronomy, Crop Science, Soil Science Soc. of America, Tama, Japan, 22 - 25 October 2017
- IV. **Understanding of water and nitrogen cycle in an irrigated Mediterranean area in southern Turkey**  
Glavan M., KARNEZ E., SAĞIR H., GÖLPINAR M. S., ÇETİN M., Akgül M. A., İBRİKÇİ H., PINTAR M.  
International SWAT conference (2017 : Warsaw, Poland, Warszawa, Poland, 26 - 30 June 2017
- V. **SWAT MODELING OF SEASONAL DIFFERENCES IN NITRATE LEACHING**  
SAĞIR H., GLAVAN M., ÇETİN M., İBRİKÇİ H., KARNEZ E., GÖLPINAR M. S., PINTAR M.  
The 2017 International SWAT Conference and Workshops, VARŞOVA, Poland, 26 - 30 June 2017, pp.91
- VI. **DPSIR Approach to Nitrogen Management in an Irrigated Agricultural Land**  
İBRİKÇİ H., ÇETİN M., KARNEZ E., SAĞIR H., UÇAN M., Manfred F., GÖLPINAR M. S.  
2017 International Conference at Aarhus University-Innovative solutions for Sustainable Management of Nitrogen, Aarhus, Denmark, 26 - 28 June 2017
- VII. **SWAT modelling approach to irrigated land management for mitigation**  
İBRİKÇİ H., SAĞIR H., Glavan M., ÇETİN M., KARNEZ E., GÖLPINAR M. S., PINTAR M.  
International Interdisciplinary Conference on Land Use and Water Quality, The Hague, Netherlands, 29 May - 01 June 2017, vol.1, pp.135-136
- VIII. **DETERMINING SPATIAL IRREGULARITIES OF NITRATE CONCENTRATIONS IN IRRIGATION RETURN FLOWS OF MEDITERRANEAN IRRIGATION SUB CATCHMENT**  
ÇETİN M., İBRİKÇİ H., UÇAN M., GÖLPINAR M. S., SAĞIR H., KARNEZ E.  
19th NITROGEN WORKSHOP Efficient use of different sources of nitrogen in agriculture- from theory to practice, 27 - 29 June 2016
- IX. **Modelling Agricultural Management Change for Lowering Nitrogen Leaching in Irrigated Mediterranean Area in Lower Seyhan Plain in Southern Turkey**  
KARNEZ E., Matjaz G., İBRİKÇİ H., ÇETİN M., PINTAR M., UÇAN M., SAĞIR H., RYAN J.  
Eurosoil2016 - Istanbul, İstanbul, Turkey, 16 - 21 October 2016, vol.1, pp.326
- X. **Modeling agricultural management change for lowering nitrogen leaching in irrigated Mediterranean area in lower Seyhan Plain in Southern Turkey**  
Karnez E., Glavan M., İBRİKÇİ H., ÇETİN M., PINTAR M., GÖLPINAR M. S., UÇAN M., SAĞIR H., RYAN J.  
Eurosoil 2016, 16 - 22 October 2016
- XI. **SWAT Modelling approach to nitrate losses in a Mediterranean Area**  
SAĞIR H., Matjaz G., ÇETİN M., İBRİKÇİ H., GÖLPINAR M. S., UÇAN M., KARNEZ E.  
Eurosoil 2016, 16 - 22 October 2016
- XII. **Bitki ürün deseninin drenaj sularına yıkanma ile gerçekleşen NO3 kayıpları üzerine etkileri SWAT modeli örneği**  
SAĞIR H., İBRİKÇİ H., ÇETİN M., Glavan M., Karnez E., GÖLPINAR M. S.  
7. Ulusal Bitki Besleme ve Gübre Kongresi, Turkey, 12 - 15 October 2016, pp.106-107
- XIII. **Akdeniz Bölgesi sulanabilir alanlardaki drenaj sularında reaktif forsun zamansal dağılımı**  
Bulut H., Kalender S., SAĞIR H., İBRİKÇİ H., ÇETİN M., GÖLPINAR M. S., Karataylı B.  
7. Ulusal Bitki Besleme ve Gübre Kongresi, Turkey, 12 - 15 October 2016, pp.110
- XIV. **Sulu tarımın yapıldığı Akarsu Sulama Havzasında drenajla oluşan azot kayıplarının zamansal izlenmesi**  
İBRİKÇİ H., ÇETİN M., SAĞIR H., UÇAN M., GÖLPINAR M. S., KARNEZ E.  
7. Ulusal Bitki Besleme ve Gübre Kongresi, Konya, Turkey, 12 - 15 October 2016, pp.141-142
- XV. **Determining spatial irregularities of nitrate concentrations in irrigated return flows of Mediterranean irrigation sub catchments**  
ÇETİN M., İBRİKÇİ H., UÇAN M., GÖLPINAR M. S., SAĞIR H., KARNEZ E.  
19. Nitrogen Workshop, Skara, Sweden, 27 - 29 June 2016

- XVI. **Monitoring fertilization effects on groundwater nitrate pollution**  
İBRİKÇİ H., Çetin M., SAĞIR H., Ucan M., Karnez E., GÖLPINAR M. S.  
19. Nitrogen Workshop, Skara, 27 - 29 June 2016
- XVII. **Determining spatial irregularities of nitrate concentrations in irrigation return flows of Mediterranean irrigation sub catchments**  
ÇETİN M., İBRİKÇİ H., Uçan M., Gölpinar M. S., SAĞIR H., KARNEZ E.  
The 19th Nitrogen Workshop: Efficient use of different sources of nitrogen in agriculture—from theory to practice, Skara, Sweden, 27 - 29 June 2016, vol.1, pp.164-165
- XVIII. **Gübre kullanımı ve potansiyel su kirliliği**  
İBRİKÇİ H., Cetin M., Sagir H., Ucan M., Gölpinar M., Karnez E.  
Türkiye’de Gübre Kullanımı, Sorunlar ve Sürdürülebilirlik. Veda Çalıştayı, İzmir, Turkey, 04 December 2015, pp.1
- XIX. **Quantifying Temporal Changes of Nitrate Loads in Intensively Used Agricultural Landscape of the Semiarid Mediterranean Turkey**  
ÇETİN M., İBRİKÇİ H., Uçan M., SAĞIR H., Fink M., KARNEZ E., Nagano T., BERBEROĞLU S., Kubota J., Gölpinar S.  
International Interdisciplinary Conference on Land Use and Water Quality, Agricultural Production and the Environment (LuwQ 2015), 21 - 24 September 2015, vol.1, pp.66
- XX. **Quantifying temporal changes of nitrate loads in intensively used agricultural landscapes of the semiarid mediterranean Turkey.**  
ÇETİN M., İBRİKÇİ H., Karnez E., Sagir H., BERBEROĞLU S.  
2. International Land Use and Water Quality, Viyana, Austria, 21 - 24 September 2015, pp.1
- XXI. **Temporal and spatial distribution of nitrate leaching in Mediterranean irrigated agricultural ecosystems**  
İBRİKÇİ H., ÇETİN M., SAĞIR H., Fink M., karnez e., nagano t., BERBEROĞLU S., kubota j., karaömerlioğlu y.  
2nd International Interdisciplinary Conference on Land use and water quality: Agricultural Production and the Environment, Viyana, Austria, 21 - 24 September 2015
- XXII. **Quantifying temporal changes of nitrate loads in intensively used agricultural landscapes of the semiarid Mediterranean Turkey**  
ÇETİN M., İBRİKÇİ H., uçan m., BERBEROĞLU S., SAĞIR H., GÖLPINAR M. S., fink m., karnez e., nagano t., kubota j.  
2nd Interdisciplinary Conference on Landuse and water quality, 21 - 24 September 2015
- XXIII. **Quantifying Temporal Changes of Nitrate Loads in Intensively Used Agricultural Landscapes of the Semiarid Mediterranean Turkey**  
ÇETİN M., İBRİKÇİ H., Ucan M., SAĞIR H., Fink M., Karnez E., NAGANO T., BERBEROĞLU S., Kubota J., GÖLPINAR M. S.  
International Interdisciplinary Conference on Land Use and Water Quality, Agricultural Production and the Environment (LuWQ2015), Vienna, Austria, 21 - 24 September 2015, vol.1, no.1, pp.66
- XXIV. **Sustainability of agricultural water management in large scale irrigationscheme A case study in Turkey**  
ÇETİN M., İBRİKÇİ H., BERBEROĞLU S., SAĞIR H., karnez e., Nagano t., Fink M., Goehmann H., Kubota J.  
9th World Congress of EWRA, Water Resource Mangement in Changing World: Challanges and Opportunities, İstanbul, Turkey, 10 - 13 June 2015
- XXV. **Irrigation induced groundwater nitrate pollution in mediterranean agricultur**  
İBRİKÇİ H., ÇETİN M., BERBEROĞLU S., SAĞIR H., KARNEZ E., Nagano T., Fink M., Kubota J., Göhmann H.  
The 9th world congress of the european water resources association (EWRA2015), water resources management in a changing world: challanges and opportunities, 10 - 13 June 2015, vol.1, pp.251-252
- XXVI. **Irrigation-Induced Groundwater Nitrate Pollution in Mediterranean Agriculture**  
İBRİKÇİ H., ÇETİN M., BERBEROĞLU S., SAĞIR H., Karnez E., NAGANO T., Fink M., Kubota J., Göhmann H.  
The 9th World Congress of the European Water Resources Association (EWRA2015), Water Resources management in a changing world: Challenges and opportunities, İstanbul, Turkey, 10 - 13 June 2015, vol.1, no.1, pp.251-252
- XXVII. **Irrigation-Induced groundwater nitrate pollution in Mediterranean agriculture**  
İBRİKÇİ H., Çetin M., Berberoglu S., Sagir H., Karnez E., Nagano T., Fink M., Kubota J., Goehmann H.  
European Water Resource Association, 9th World Congress, Water Resource Management in a Changing World:

- Challenges and Opportunities, İstanbul, Turkey, 10 - 13 June 2015, pp.251
- XXVIII. **Nitrogen management in irrigated agriculture: A case study**  
İBRİKÇİ H., Cetin M., Berberoglu S., Karnez E., Fink M., Flugel W., Aragues R., Nagano T., Ryan J., Pintar M., et al.  
Global Water Team Panel, Manisa, Turkey, 9 - 10 October 2014, pp.2
- XXIX. **Quantification of nitrogen leaching to shallow water table in large scale irrigation schemes a case study in the mediterranean landscapes**  
ÇETİN M., İBRİKÇİ H., Karaömerlioğlu Y., SAĞIR H.  
18th Nitrogen Workshop, 30 June - 03 July 2014, vol.1, pp.394-395
- XXX. **Quantification of nitrogen leaching to shallow water table in large scale irrigation schemes: A case study in the Mediterranean landscapes**  
Cetin M., İBRİKÇİ H., Karaomerlioglu Y., Sagir H.  
18th Nitrogen Workshop. The nitrogen challenge: Building a blueprint for nitrogen use efficiency and food security, Lisbon, Portugal, 30 June - 03 July 2014, pp.394-395
- XXXI. **Hidrolojik su bütçesi öğelerinin tarımsal drenaj havzalarında belirlenmesi: Asağı Seyhan Ovası Örneği**  
Cetin M., İBRİKÇİ H., Ucan M., Berberoglu S., Nagano T., Karaomerlioglu Y., Sagir H.  
12. Kültürteknik Sempozyumu, Tekirdağ, Turkey, 21 - 23 May 2014, pp.1
- XXXII. **Integrated water and nitrogen management in a large scale irrigated area in Southern Turkey**  
İBRİKÇİ H., Cetin M., Karnez E., Fink M., Flugel W., Aragues R., Nagano T., Ryan J., Sagir H.  
First Irrigation Forum and 64th International Executive Council Meeting, Mardin, Turkey, 28 September - 05 October 2013, vol.R3.12, pp.127

## Supported Projects

- İBRİKÇİ H., KARNEZ E., ÇETİN M., SAĞIR H., Project Supported by Higher Education Institutions, Çukurova Bölgesinde sulu tarımın yapıldığı alanlarda azot yönetiminde DPSIR yaklaşımının kullanılması, 2017 - 2021
- KARNEZ E., İBRİKÇİ H., ÇETİN M., GÖLPINAR M. S., SAĞIR H., Project Supported by Higher Education Institutions, DPSIR Approach to Nitrogen Management in an Irrigated Agricultural Land, 2017 - 2019
- İBRİKÇİ H., ÇETİN M., SAĞIR H., KARNEZ E., PİNTAR M., GLAVAN M., Project Supported by Higher Education Institutions, Nitrogen Management Tools in an Irrigated Agricultural Land, 2017 - 2018
- SARIYEV A., BARUTÇULAR C., SAĞIR H., KOÇ L., HASANOĞLU A., BYKOVA A., ACAR M., Project Supported by Higher Education Institutions, Ağır Killi Topraklarda Farklı Sulama Düzeylerinde Sulama Suyuna Uygulanan Hidrojen Peroksidin H2O2 Mısır Bitkisinin Gelişimine ve Dane Verimine Etkisi, 2016 - 2018
- ERENOĞLU E. B., SAĞIR H., Project Supported by Higher Education Institutions, 7. Ulusal Bitki Besleme ve Gübreleme Kongresi, 2016 - 2017

## Metrics

- Publication: 42  
Citation (Scopus): 1  
H-Index (Scopus): 1

## Congress and Symposium Activities

6. ULUSAL BİTKİ BESLEME ve GÜBRE KONGRESİ, Attendee, NEVŞEHİR\KAPADOKYA, Turkey, 2013