

## Asst. Prof. RİFAT AKIŞ

### Personal Information

**Office Phone:** [+90 224 294 1531](tel:+902242941531) Extension: 41531

**Email:** rifatakis@uludag.edu.tr

**Web:** <https://avesis.uludag.edu.tr/rifatakis>

**Address:** Bursa Uludağ Üniversitesi, Ziraat Fakültesi Toprak Bilimi ve Bitki Besleme Bölümü, Görükle/BURSA

### Education Information

Doctorate, University of Wyoming, Toprak Bilimi, United States Of America 2002 - 2008

Postgraduate, Ohio State University, College Of Agriculture School Of Natural Resources Soil Science, United States Of America 1997 - 1999

Undergraduate, Ankara University, Ziraat Fakültesi, Toprak Bölümü, Turkey 1990 - 1994

### Research Areas

Soil Physics (moisture and hydromechanics, gas content, thermal phenomena), Soil and Water Storage and Management

### Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme, 2019 - Continues

### Academic and Administrative Experience

Deputy Head of Department, Hatay Mustafa Kemal University, Faculty Of Agriculture, 2013 - 2016

Head of Department, Hatay Mustafa Kemal University, Faculty Of Agriculture, 2013 - 2014

### Courses

Soil Water Flow and Chemical Transport, Postgraduate, 2020 - 2021

Introduction to Geostatistics, Postgraduate, 2020 - 2021

Advanced Soil Physics, Postgraduate, 2020 - 2021

1803835- TOPRAK BİTKİ SU İLİŞKİLERİ, Undergraduate, 2017 - 2018

1803736-TOPRAK FİZİĞİ, Undergraduate, 2017 - 2018

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Spatial variability of soil solute and saturated hydraulic conductivity affected by undrained water table conditions**  
Akis R.  
PRECISION AGRICULTURE, vol.16, no.3, pp.330-359, 2015 (Journal Indexed in SCI)
- II. **Mapping of total nitrogen, available phosphorous and potassium in Amik Plain, Turkey**

## Articles Published in Other Journals

- I. **Effects of Crop Residue Burning on Soil Physical and Hydrological Properties in Semi-Arid Agricultural Production Systems**  
AKIŞ R.  
Gaziosmanpaşa Üniversitesi Ziraat Fakültesi Dergisi, vol.3, no.33, pp.223-235, 2016 (Other Refereed National Journals)
- II. **Simulation of Tile Drain Flows in an Alluvial Clayey Soil Using HYDRUS 1D**  
AKIŞ R.  
American-Eurasian Journal of Agricultural Environmental Sciences, vol.4, no.14, pp.801-813, 2016 (Refereed Journals of Other Institutions)
- III. **Post-harvest evaluation of water retention and transmission properties of soils subjected to residue burning**  
AKIŞ R.  
IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS), vol.1, no.9, pp.87-93, 2016 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Geospatial estimation of regional scale soil carbon stocks of the Amik Plain under the effects of relief and climate variations**  
AKIŞ R.  
Eurosoil- 2016 İstanbul, İstanbul, Turkey, 16 - 21 October 2016
- II. **Simulation of Tile Drain Flows in Response to Rainfall Characteristics in an Alluvial Small Watershed Using HYDRUS 1**  
AKIŞ R.  
Eurosoil 2016 İstanbul, İstanbul, Turkey, 16 - 21 October 2016, pp.241-242
- III. **ESTIMATING SOIL HYDRAULIC PROPERTIES IN A DRAINED ALLUVIAL CLAYEY SOIL USING HYDRUS 1D MODEL**  
AKIŞ R.  
International porous powder materials symposium and exhibition, İzmir, Turkey, 15 - 18 September 2015
- IV. **Phosphorous Leaching and Concentration Distribution in a Tile Drained Soil Profile Using Soil Pore Water Samplers**  
AKIŞ R.  
8th International Soil Science Congress on Land Degradation and Challenges in Sustainable Soil Management, Çeşme/İZMİR, Turkey, 15 - 17 May 2012
- V. **YÜKSEK TABAN SUYUNUN DRENAJSIZ ŞARTLARDA TOPRAK TUZU VE HİDROLİK İLETKENLİKLERİNİN MESAFEYE BAĞLI DEĞİŞİMİNE ETKİSİ**  
AKIŞ R.  
I. ULUSAL TOPRAK VE SU KAYNAKLARI KONGRESİ, Eskişehir, Turkey, 1 - 04 June 2010
- VI. **The effect of undrained water table on spatial variability of soil solute and saturated hydraulic conductivity**  
AKIŞ R., UYGUR V., İRVEM A.  
Tarım Alanında Türk-Alman Araştırma Sonuçları 9.Sempozyumu, Antakya/HATAY, Turkey, 22 - 26 March 2010
- VII. **Geostatistical Analysis of a Water Well Field for Determination of Land Management Constraints**  
Bilgili A. V. , AKIŞ R., AYDEMİR S.

International Meeting on Soil Fertility Land Management and Agroclimatology., Kuşadası/AYDIN, Turkey, 29 - 31 October 2008

- VIII. **A proposal to evaluate the relationships between 13C background hydrodynamic functions of carbonate pedofeatures in Alluvial Paleosols**  
AKIŞ R., Munn C. L.  
University of Wyoming Graduate Student Symposium, Laramie, Wy, United States Of America, 3 - 04 April 2007
- IX. **The prediction and extraction of hill slope flow paths and ephemeral gullies in a digitized Harran Watershed.**  
BİLGİLİ A. V. , AKIŞ R., AYDEMİR S., ÇULLU M. A. , van Es H.  
Sustainable Developments and New Technologies for Agricultural Production in GAP Region. Sanliurfa , Turkey, Şanlıurfa, Turkey, 29 - 31 May 2006, pp.171-173
- X. **Geospatial modeling of soil erosion parameters in Albany County Soils Wyoming**  
AKIŞ R.  
University of Wyoming Graduate Student Symposium, Laramie, Wy, United States Of America, 3 - 04 April 2006
- XI. **Spatial Analysis of Soil Erosion Potential and Drainage Network in the Laramie River Basin.**  
AKIŞ R., Munn C. L. , Danniell J. M.  
The ASA-CSSA-SSSA International Annual Meetings (November 6-10, 2005), Salt Lake City/UTAH, United States Of America, 6 - 10 November 2005
- XII. **Erosion hazard potential in the Laramie River Basin**  
AKIŞ R., Munn C. L. , Danniell J. M.  
The 86th annual meeting of the AAAS pacific division. Southern Oregon University, Ashland, Oregon., Ashland/OREGON, United States Of America, 6 - 10 June 2005, vol.24
- XIII. **Dependence of petroleum hydrocarbon biodegradation on soil moisture temperature and nutrient availability**  
AKIŞ R.  
University of Wyoming Graduate Student Symposium, Laramie, Wy, United States Of America, 2 - 03 March 2004
- XIV. **Soil Microbial Respiration Rates Related to Various Soil Properties.**  
SONG J., Zhang R., BROWN T. H. , AKIŞ R.  
Annual Meetings of American Society of Agronomy, Crop Science Society of America, Soil Science Society of America, Denver/COLORADO, United States Of America, 2 - 06 November 2003
- XV. **Spatial Dependence of Soil Extractable Potassium in a Fertile Alluvium Watershed in Turkey.**  
AKIŞ R., SALTALI K., USTA S., Zhang R.  
Annual Meetings of American Society of Agronomy, Crop Science Society of America, Soil Science Society of America, Denver/COLORADO, United States Of America, 2 - 06 November 2003
- XVI. **Effects of Different Tillage and Drainage Techniques on Soil Physical Properties and Nitrate Movement in a Silt Loam Soil**  
AKIŞ R., LAL R., Zhang R.  
ASA-CSSA-SSSA Annual Meetings, Denver, Colorado, United States Of America, 2 - 06 June 2003
- XVII. **Toprak kalitesi ve sürdürülebilir tarım**  
KARA E. E. , UYGUR V., AKIŞ R.  
Su havzalarında toprak ve su kaynaklarının korunması geliştirilmesi ve yönetimi sempozyumu, Antakya, HATAY, Turkey, 18 - 20 September 2002, pp.326-332

## Citations

Total Citations (WOS):16

h-index (WOS):1