Assoc. Prof. FİRDES YENİLMEZ

Personal Information

Office Phone: +90 242 310 6347
Fax Phone: +90 242 310 6306
Email: firdesyenilmez@akdeniz.edu.tr
Web: https://avesis.akdeniz.edu.tr/firdesyenilmez
Address: Akdeniz Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Dumlupınar Bulvarı Antalya/Türkiye

International Researcher IDs
ORCID: 0000-0002-1600-9419
ScopusID: 36132511800
Yoksis Researcher ID: 128430

Education Information

Doctorate, Middle East Technical University, Fen Bilimleri, Çevre Mühendisliği, Turkey 2007 - 2014
Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, Turkey 2004 - 2007
Undergraduate, Akdeniz University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Environment and Sustainability, Karbon Ayak İzi ve Karbon Ticareti, Akdeniz Üniversitesi, 2023
Education Management and Planning, Avrupa Birliği Hibe Programlarına Proje Hazırlama Teknikleri, Antalya Valiliği, 2016
Education Management and Planning, 21. Yüzyılda Su Yönetimi: Bütünleşik Su Yönetimi Çerçevesinde Türkiye'de ve Dünyada Su, NİHA, 2013
Education Management and Planning, Environmental Modeling and Health Risk Analysis, Dokuz Eylül Üniversitesi, 2011
Education Management and Planning, Türkiye'de Su ve Çevre Müktesebatı alanında Eğiticilerin Eğitimi, Orman ve Su İşleri Bakanlığı, 2010
Education Management and Planning, SWAT (Soil and Water Assessment Tool) Basic and Advanced International Course, IGEM Akademia, 2010
Education Management and Planning, Agilent 7890/5975 GCMS Yazılım ve Donanımı, SEM, 2010
Quality Management, TS ISO EN/IEC 17025 standardına göre İç Tetkikçi Eğitimi, TÜRKAK, 2010
Quality Management, Analiz Metotlarının Geçerli Kılınması (Validasyon, Verifikasyon) ve Ölçüm Belirsizliği Eğitimi, TÜRKAK, 2010
Quality Management, Deney ve Kalibrasyon Laboratuvarlarının Yeterliliği İçin Genel Şartlar Standardı, TÜRKAK, 2010
Education Management and Planning, Persistent Organic Pollutants: Occurrence, Trends, Fate and Remediation, ODTÜ, 2009
Education Management and Planning, Cleaner Production, A tool for Green Competitiveness in the Turkish Industry,

ODTÜ, 2008
Education Management and Planning, Integrated Risk Assessment and Management for Continuous Improvement, ODTÜ, 2007

Dissertations

Doctorate, Spatial Data Analysis For Monitoring And Prediction Of Selected Water Quality Parameters In Reservoirs: Porsuk Dam Reservoir Case, Middle East Technical University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği, 2014
Postgraduate, Modeling The Water Quality In Uluabat Lake, Middle East Technical University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği, 2007

Research Areas

Environmental Engineering, Environmental Technology, Environmental Modeling, Water Pollution and Control, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Akdeniz University, Faculty of Engineering, Department of Environmental Engineering, 2017 - Continues
Research Assistant PhD, Akdeniz University, Faculty of Engineering, Department of Environmental Engineering, 2014 - 2017
Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği , 2003 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Evaluation of 3-D spatial distribution of dissolved oxygen concentrations in a eutrophic lake**
YENİLMEZ F., Düzgün Ş., AKSOY A.
Environmental Science and Pollution Research, vol.30, no.18, pp.54106-54118, 2023 (SCI-Expanded)

II. **WATER QUALITY EVALUATION BASED ON THE WATER QUALITY INDEX METHOD IN KARACAOREN-II DAM LAKE**
Yenilmez F.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, no.8A, pp.8399-8403, 2022 (SCI-Expanded)

III. **ASSESSMENT OF WATER QUALITY EVALUATION PERFORMANCE OF GEOSTATISTICAL TECHNIQUES**
Yenilmez F.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.31, no.08A, pp.8423-8430, 2022 (SCI-Expanded)

IV. **Assessment of groundwater contamination risk with scenario analysis of hazard quantification for a karst aquifer in Antalya, Turkey**
Cil A., Muhammetoglu A., Ozyurt N. N., YENİLMEZ F., Keyikoglu R., Amil A., Muhammetoglu H.
Environmental Earth Sciences, vol.79, no.9, 2020 (SCI-Expanded)

V. **An evaluation of potential sampling locations in a reservoir with emphasis on conserved spatial correlation structure**
Yenilmez F., Duzgun S., AKSOY A.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.187, no.1, 2015 (SCI-Expanded)

VI. **Development of pollution indices for the middle section of the Lower Seyhan Basin (Turkey)**
Golge M., Yenilmez F., AKSOY A.
ECOLOGICAL INDICATORS, vol.29, pp.6-17, 2013 (SCI-Expanded)

VII. **Comparison of phosphorus reduction alternatives in control of nutrient concentrations in Lake Uluabat (Bursa, Turkey): Partial versus full sediment dredging**
Yenilmez F., AKSOY A.
LIMNOLOGICA, vol.43, no.1, pp.1-9, 2013 (SCI-Expanded)

VIII. **Forest Fire Risk Mapping by Kernel Density Estimation**
Kuter N., Yenilmez F., Kuter S.
CROATIAN JOURNAL OF FOREST ENGINEERING, vol.32, no.2, pp.599-610, 2011 (SCI-Expanded)

IX. **Evaluation of pollution levels at an abandoned coal mine site in Turkey with the aid of GIS**
Yenilmez F., Kuter N., Emil M. K., AKSOY A.
INTERNATIONAL JOURNAL OF COAL GEOLOGY, vol.86, no.1, pp.12-19, 2011 (SCI-Expanded)

X. **Water quality trend analysis in Eymir Lake, Ankara**
Yenilmez F., Keskin F., AKSOY A.
PHYSICS AND CHEMISTRY OF THE EARTH, vol.36, no.5-6, pp.135-140, 2011 (SCI-Expanded)

Articles Published in Other Journals

I. **Statistical Evaluation of Water Quality and Meteorological Conditions in Karacaören-II Dam Lake**
YENİLMEZ F.
Kocaeli Journal of Science and Engineering, vol.5, no.1, pp.97-104, 2022 (Peer-Reviewed Journal)

II. **Meteorolojik Koşulların Mogan Gölü Su Kalitesine Etkileri**
YENİLMEZ F., Keskin F., Aksoy A.
BİBAD Biyoloji Bilimleri Araştırma Dergisi (Research Journal of Biology Sciences), vol.3, no.2, pp.33-38, 2010 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Case Study on the Evaluation of Changes of Microbiological Parameters in Coastal Waters**
Yenilmez F.
3. International Ankara Multidiciplinary Studies Congress, 5 - 07 December 2021, pp.423-427

II. **Assessment of Water Quality Evaluation Performance of Geostatistical Techniques**
Yenilmez F.
20th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 26 - 27 October 2020, pp.109

III. **Assesment of Water Quality Evaluation Performance of Geostatistical Techniques**
YENİLMEZ F.
20th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP2020), Greece, 26 - 27 October 2020

IV. **Water Quality Evaluation Based on The Water Quality Index Method in Karacaören-II Dam Lake**
Yenilmez F.
20th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 26 - 27 October 2020, pp.110

V. **Evaluation of Impacts of Intensive Agricultural Activities on Groundwater Quality in a Karstic Area: Antalya-Turkey**
Çil A., Keyikoglu R., YENİLMEZ F., MUHAMMETOĞLU A., ÖZYURT N. N., MUHAMMETOĞLU H.
9th International Symposium on Eastern Mediterranean Geology (ISEMG 2018), 7 - 11 May 2018

VI. **The Response of Water Quality of Karacaören-II Dam Reservoir to Climate Change**
YENİLMEZ F.
The 3rd ASM International Congress of Agriculture and Environment, 16 - 18 November 2017

VII. **Seasonal-Spatial Distribution of Secchi Depth in Karacaören-II Dam Reservoir**

YENİLMEZ F.

The 3rd ASM International Congress of Agriculture and Environment, 16 - 18 November 2017

VIII. **Weaknesses and Threats in Potable Water Resources Management of Antalya (Turkey)**

YENİLMEZ F.

The 19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 3 - 06 October 2017

IX. **Assessment of Groundwater Vulnerability in a Karstic Aquifer Using Index-Based Methods: Altınova-Turkey Case Study**

Çil A., AMIL A., YENİLMEZ F., ÖZYURT N. N., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

LuWQ 2017 International Interdisciplinary Conference on Land Use and Water Qaulity, Netherlands, 29 May - 01 June 2017

X. **Evaluation of Spatial Distribution Of Water Quality Parameters Using Ordinary Kriging: Karacaören II Dam Reservoir Case**

YENİLMEZ F.

International Scientific Conference on Applied Sciences "Spatial Data Processing, Modelling, Analysing and Management for Knowledge Based Systems" (ISCAS2016)", Turkey, 27 - 30 September 2016

XI. **3D Spatial Distribution of Water Quality Parameters in Karacaören-II Dam Reservoir**

YENİLMEZ F.

1st International Black Sea Congress on Environmental Sciences (IBCESS), Antalya, Turkey, 31 August - 03 September 2016, pp.135

XII. **Agricultural nitrate pollution of groundwater in Antalya-Turkey**

Çil A., Keyikoglu R., YENİLMEZ F., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

13th International Conference on Protection and Restoration of the Environment, Mykonos, Greece, 3 - 08 July 2016, pp.56-63

XIII. **Agricultural nitrate pollution of groundwater in Antalya-Turkey**

Çil A., Keyikoglu R., YENİLMEZ F., MUHAMMETOĞLU A., MUHAMMETOĞLU H.

13th International Conference on Protection and Restoration of the Environment, Mykonos, Greece, 3 - 08 July 2016, pp.56-63

XIV. **Baraj Göllerinde İzleme Ağlarının Oluşturulmasında Mekansal Veri Analizi Araçlarının Kullanılması: Porsuk Baraj Gölü Örneği**

YENİLMEZ F., DÜZGÜN H., AKSOY A.

3. Uluslararası Sürdürülebilir Su Yönetimi Kongresi, İzmir, Turkey, 8 - 10 October 2015, pp.75

XV. **Analysis of pressures and impacts for the water quality of Karacaören-II dam reservoir**

YENİLMEZ F.

18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Crete, Greece, 26 - 30 September 2015, pp.200

XVI. **Analysis of trends in the water quality of Karacaören-II dam reservoir**

YENİLMEZ F.

18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Crete, Greece, 26 - 30 September 2015, pp.202

XVII. **Evaluation of Pollution Control Alternatives to Improve the Water Quality in Porsuk Dam Reservoir**

YENİLMEZ F., AKSOY A.

3rd International Conference on Water Resources and Environmental Management (ICWRE 2014), Antalya, Turkey, 13 - 15 May 2014, pp.41

XVIII. **Determination of geostatistically representative sampling locations in Porsuk Dam Reservoir (Turkey)**

Aksoy A., YENİLMEZ F., Düzgün H. Ş.

AGU Fall Meeting, San Francisco, United States Of America, 9 - 13 December 2013

XIX. **Evaluation of Water Quality Within the Watershed of Porsuk Dam Reservoir**

YENİLMEZ F., Aksoy A.

17th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region,

İstanbul, Turkey, 28 September - 01 October 2013

XX. **Assesment of Long Term Pollution Loads in Porsuk River**
YENİLMEZ F., Aksoy A.
17th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, İstanbul, Turkey, 28 September - 01 October 2013

XXI. **Determination of the vulnerable areas for diffuse pollution transport within the watershed of the Porsuk Dam Reservoir using ArcGIS**
YENİLMEZ F., Aksoy A.
IPWE 6th International Perspective on Water Resources & The Environment, İzmir, Turkey, 7 - 09 January 2013

XXII. **Analysis of traffic incidents in METU campus**
Keskin F., YENİLMEZ F., Colak M., Yavuzer I., Duzgun H. S.
2nd International Geography Symposium-Mediterranean Environment, Antalya, Turkey, 2 - 05 June 2010, vol.19, pp.61-70

XXIII. **Mogan Gölü su kalite parametrelerinin mekansal ve zamansal değerlendirilmesi**
YENİLMEZ F., Keskin F., AKSOY A.
JEOUZAL 2010, Ankara, Turkey, 4 - 05 November 2010, pp.29

XXIV. **Çevre Koşullarının Mogan Gölü Su Kalitesine Etkileri**
YENİLMEZ F., Keskin F., AKSOY A.
IX. Ulusal Ekoloji ve Çevre Kongresi, Nevşehir, Turkey, 7 - 10 October 2010, pp.21

XXV. **Analyzing of Traffic Incidents In METU**
Keskin F., YENİLMEZ F., Çolak M., Yavuzer İ., Düzgün H. Ş.
GEOMED 2010 (The 2nd International Geography Symposium), Antalya, Turkey, 2 - 05 June 2010

XXVI. **Spatial and Temporal Analysis of Water Quality Parameters In Mogan Lake**
YENİLMEZ F., Keskin F., Aksoy A.
GEOMED 2010 (The 2nd International Geography Symposium), Antalya, Turkey, 2 - 05 June 2010

XXVII. **Çevre Koşullarının Eymir Gölü Su Kalitesine Etkileri**
YENİLMEZ F., Keskin F., AKSOY A.
8. Ulusal Çevre Mühendisliği Kongresi, Antalya, Turkey, 12 - 14 November 2009, pp.459-468

XXVIII. **Çevre Koşullarının Eymir Gölü Su Kalitesine Etkileri (CMO2009)**
YENİLMEZ F., KESKİN F., AKSOY A.
8. Ulusal Çevre Mühendisliği Kongresi (CMO2009), Turkey, 12 - 14 November 2009

XXIX. **Evaluation of Forest Fires with GIS: Case Study at METU Campus**
Kuter N., YENİLMEZ F., Kuter S.
Ecology and Forests for Public Health, Oslo, Norway, 18 - 20 September 2009, pp.70

XXX. **Impact of Meteorological Conditions on the Water Quality in Eymir Lake, Turkey**
YENİLMEZ F., Keskin F., Aksoy A.
5th World Water Forum, İstanbul, Turkey, 16 - 22 March 2009

XXXI. **Water Quality Trend Analysis in Lake Eymir, Ankara**
YENİLMEZ F., Keskin F., Aksoy A.
Regional Process of The 5th World Water Forum, Regional Meeting on Water in the Mediterranean Basin, Lefkoşa, Cyprus (Kktc), 9 - 11 October 2008, pp.65

XXXII. **Uluabat Gölü Su Kalitesinin WASP 7.2 Modeli Kullanılarak Değerlendirilmesi**
YENİLMEZ F., AKSOY A.
7.Ulusal Çevre Mühendisliği Kongresi, İzmir, Turkey, 24 - 27 October 2007, pp.56-62

XXXIII. **Fate of agricultural nitrogen in the soil and groundwater of Kumluca-Turkey**
MUHAMMETOĞLU A., YENİLMEZ F., MUHAMMETOĞLU H.
12th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Antalya, Turkey, 4 - 08 October 2003, pp.29

Supported Projects

YENİLMEZ F., Project Supported by Other Official Institutions, Salda Deresinin Su Kalitesinin Ekolojik Değerlendirilmesi, 2018 - Continues
Demir T., Yenilmez F., Gökbulak F., Yılmaz H., TUBITAK Project, Kızılçam Ormanlarında Yangın Sonrası Hidrolojik İyileşme Süreçlerinin Belirlenmesi(Antalya Manavgat Orman Yangını Örneği), 2023 - 2026
Yenilmez F., Aykut A., Project Supported by Other Official Institutions, Antalya Çandır Havzasında Farklı Arazi Kullanımlarının Bazı Fiziksel ve Kimyasal Su Parametrelerine Etkisi, 2019 - 2021
VAROL M., MERDUN H., ERDEM A., YENİLMEZ F., Akgül G., Project Supported by Higher Education Institutions, Chlorella vulgaris mikroalg kültürünün oksiyanma şartlarını temsil eden yüksek CO2 içerikli gaz karışımı ile fotobiyoreaktörde yetiştirilmesi ve CO2 tutma veriminin incelenmesi, 2018 - 2020
MUHAMMETOĞLU A., MUHAMMETOĞLU H., YENİLMEZ F., ÖZYURT N. N., Project Supported by Higher Education Institutions, Yeraltısuyu Risk Değerlendirmesi ve Pestisit Risk İndikatörleri Kullanılarak Tarımsal Karstik Bölgelerdeki Yeraltısuyu Kalitesinin Entegre Yönetimi, 2015 - 2018
YENİLMEZ F., Project Supported by Other Official Institutions, Gördes Baraj Gölü Havzası Özel Hüküm Belirleme Çalışması, 2013 - 2015
YENİLMEZ F., Project Supported by Other Official Institutions, İçme ve Kullanma Suyu Kaynağı Olarak Porsuk Barajının Korunması ve Özel Hüküm Belirlenmesi Projesi, 2009 - 2012
YENİLMEZ F., TUBITAK Project, Uluabat Gölü Ötrifikasyon Kontrolü İçin Maksimum Alıcı Ortam Fosfor Yüklerinin Belirlenmesi, 2004 - 2006

Scientific Refereeing

Water Practice and Technology , Journal Indexed in ESCI, December 2021
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, December 2021
KOCAELİ JOURNAL OF SCİENCE AND ENGİNEERİNG, National Scientific Refreed Journal, March 2021
WATER SCIENCE AND TECHNOLOGY, SCI Journal, January 2020
Net Journal of Agricultural Science, National Scientific Refreed Journal, June 2018
Maden Tetkik ve Arama Dergisi (Bulletin of the Mineral Research and Exploration), National Scientific Refreed Journal, February 2018
Water Science and Technology, SCI Journal, December 2016
Exposure and Health, SCI Journal, September 2014
Water Science and Technology, SCI Journal, February 2014
Journal of Environmental Radioactivity, SCI Journal, January 2014
Water Quality, Exposure and Health, SCI Journal, December 2013

Scientific Consultations

Orman ve Su İşleri Bakanlığı, Project Consultancy, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği , Turkey, 2014 - 2014
Orman ve Su İşleri Bakanlığı, Project Consultancy, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği , Turkey, 2009 - 2012

Metrics

Publication: 45
Citation (WoS): 170
Citation (Scopus): 178

H-Index (WoS): 7
H-Index (Scopus): 7

Congress and Symposium Activities

Su Kalitesi Değerlendirmesi ve Trend Analizi", T.C. Tarım ve Orman Bakanlığı, Su Yönetimi Genel Müdürlüğü "Su Kalitesi Yönetimi" konulu hizmet içi eğitim, Attendee, Antalya, Turkey, 2019
"Antalya'nın İçme Suyu Kaynakları Üzerine SWOT Analizi" konulu seminer, Antalya Kent Konseyi, Attendee, Antalya, Turkey, 2017

Scholarships

En İyi Bilimsel Makale Ödülü-3rd International Conference on Water Resources and Environmental Management, TUBITAK, 2014 - Continues
TÜBİTAK BİDEB 2214-Yurtdışı Doktora Araştırma Bursu, TUBITAK, 2012 - Continues
TÜBİTAK BİDEB 2211-Yurtiçi Doktora Bursu, TUBITAK, 2007 - Continues

Awards

YENİLMEZ F., ODTÜ Fen Bilimleri Enstitüsü Doktora Akademik Performans Ödülü, 2009, ODTÜ, October 2009
YENİLMEZ F., Akdeniz Üniversitesi Çevre Mühendisliği Bölüm Birinciliği, Akdeniz Üniversitesi, June 2002

Non Academic Experience

Virginia Polytechnic Institute and State Unversity