

# Prof. NACIYE NUR ÖZYURT

## Personal Information

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## Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Jeoloji (Hidrojeoloji), Turkey 1998 - 2005

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Jeoloji (Hidrojeoloji), Turkey 1996 - 1998

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Jeoloji (Hidrojeoloji), Turkey 1992 - 1996

## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Geological Engineering, Applied Geology, Hydrogeology and Hidrology, Engineering and Technology

## Courses

Hidrojeoloji, Undergraduate, 2016 - 2017

Su Yapıları, Undergraduate, 2016 - 2017

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

- I. **Subrecent charophyte flora from Çeşmealti (Izmir Gulf, Western Turkey): Palaeoecological implications**  
Demirci E., Sanjuan J., NAZİK A., Meriç E., Yümün Z. Ü.  
Aquatic Botany, vol.186, 2023 (SCI-Expanded)
- II. **Assessing the effect of climate change on groundwater use in Demre coastal aquifer (Antalya, Turkey), coupled use of climate scenarios and numerical flow modeling**  
AVCI P., BAYARI C. S., ÖZYURT N. N.  
ENVIRONMENTAL EARTH SCIENCES, vol.80, no.6, 2021 (SCI-Expanded)
- III. **Significance of validation for karst aquifers' vulnerability assessments: Antalya Travertine Plateau (Turkey) application**  
Amil A., AVCI P., Cil A., MUHAMMETOĞLU A., ÖZYURT N. N.  
JOURNAL OF CONTAMINANT HYDROLOGY, vol.228, 2020 (SCI-Expanded)
- IV. **Evolution of noble gas and water isotopes along the regional groundwater flow path of the Konya Closed Basin, Turkey**  
ÖZYURT N. N., BAYARI C. S.  
INTERNATIONAL JOURNAL OF SPELEOLOGY, vol.47, no.3, pp.333-342, 2018 (SCI-Expanded)

- V. **Using Groundwater Flow Modelling for Investigation of Land Subsidence in the Konya Closed Basin (Turkey)**  
 ÖZYURT N. N., AVCI P., BAYARI C. S.  
 HANDBOOK OF RESEARCH ON TRENDS AND DIGITAL ADVANCES IN ENGINEERING GEOLOGY, pp.569-590, 2018 (SCI-Expanded)
- VI. **Geodynamic Control of Hypogene Karst Development in Central Anatolia, Turkey**  
 BAYARI C. S., ÖZYURT N. N., TORK A. K., AVCI P., GÜNER I. N., PEKKAN E.  
 HYPOGENE KARST REGIONS AND CAVES OF THE WORLD, pp.449-462, 2017 (SCI-Expanded)
- VII. **Application of Chebyshev theorem to data preparation in landslide susceptibility mapping studies: an example from Yenice (Karabük, Turkey) region**  
 ERCANOĞLU M., DAĞDELENLER G., ÖZSAYIN E., ALKEVLI T., SÖNMEZ H., ÖZYURT N. N., KAHRAMAN B., UCAR I., CETINKAYA S.  
 JOURNAL OF MOUNTAIN SCIENCE, vol.13, no.11, pp.1923-1940, 2016 (SCI-Expanded)
- VIII. **Origin and interactions of fluids circulating over the Amik Basin (Hatay, Turkey) and relationships with the hydrologic, geologic and tectonic settings**  
 YÜCE G., ITALIANO F., D'ALESSANDRO W., YALCIN T. H., YASIN D. U., GULBAY A. H., ÖZYURT N. N., ROJAY B., KARABACAK V., BELLOMO S., et al.  
 CHEMICAL GEOLOGY, vol.388, pp.23-39, 2014 (SCI-Expanded)
- IX. **Characterization of the Gacka River basin karst aquifer (Croatia): Hydrochemistry, stable isotopes and tritium-based mean residence times**  
 ÖZYURT N. N., LUTZ H. O., HUNJAK T., MANCE D., ROLLER-LUTZ Z.  
 SCIENCE OF THE TOTAL ENVIRONMENT, vol.487, pp.245-254, 2014 (SCI-Expanded)
- X. **Daily streamflow prediction by ANFIS modeling: Application to Lower Zamanti Karst Basin, Turkey**  
 ÖZYURT N. N., SEZER E.  
 JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.23, no.6, pp.305-311, 2012 (SCI-Expanded)
- XI. **Submarine and coastal karstic groundwater discharges along the southwestern Mediterranean coast of Turkey**  
 BAYARI C. S., ÖZYURT N. N., ÖZTAN M., BASTANLAR Y., VARINLIOĞLU G., KOYUNCU H., ULKENLİ H., HAMARAT S.  
 HYDROGEOLOGY JOURNAL, vol.19, no.2, pp.399-414, 2011 (SCI-Expanded)
- XII. **Radiocarbon age distribution of groundwater in the Konya Closed Basin, central Anatolia, Turkey**  
 BAYARI C. S., ÖZYURT N. N., KILANI S.  
 HYDROGEOLOGY JOURNAL, vol.17, no.2, pp.347-365, 2009 (SCI-Expanded)
- XIII. **Obruks, as giant collapse dolines caused by hypogenic karstification in central Anatolia, Turkey: analysis of likely formation processes**  
 BAYARI C. S., PEKKAN E., ÖZYURT N. N.  
 HYDROGEOLOGY JOURNAL, vol.17, no.2, pp.327-345, 2009 (SCI-Expanded)
- XIV. **Analysis of drivers governing temporal salinity and temperature variations in groundwater discharge from Altug Submarine Karst Cave (Kas-Turkey)**  
 ÖZYURT N. N.  
 ENVIRONMENTAL GEOLOGY, vol.54, no.4, pp.731-736, 2008 (SCI-Expanded)
- XV. **Temporal variation of chemical and isotopic signals in major discharges of an alpine karst aquifer in Turkey: implications with respect to response of karst aquifers to recharge**  
 ÖZYURT N. N., BAYARI C. S.  
 HYDROGEOLOGY JOURNAL, vol.16, no.2, pp.297-309, 2008 (SCI-Expanded)
- XVI. **Residence time distribution in the Kirkgoz karst springs (Antalya-Turkey) as a tool for contamination vulnerability assessment**  
 ÖZYURT N. N.  
 ENVIRONMENTAL GEOLOGY, vol.53, no.7, pp.1571-1583, 2008 (SCI-Expanded)
- XVII. **Morphological abnormalities in benthic foraminifers of the Antalya coast**  
 MERIC E., AVŞAR N., YOKES M. B., TUĞRUL A. B., BAYARI S., ÖZYURT N., BARUT I. F., BALKIS N., UYSAL K., KAM E.  
 MICROPALAEONTOLOGY, vol.54, pp.241-276, 2008 (SCI-Expanded)

- XVIII. **Quantifying submarine groundwater discharge in the coastal zone via multiple methods**  
Burnett W. C., AGGARWAL P. K., AURELI A., BOKUNIEWICZ H., CABLE J. E., CHARETTE M. A., KONTAR E., KRUPA S., KULKARNI K. M., LOVELESS A., et al.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.367, pp.498-543, 2006 (SCI-Expanded)
- XIX. **Steady- and unsteady-state lumped parameter modelling of tritium and chlorofluorocarbons transport: hypothetical analyses and application to an alpine karst aquifer**  
Ozyurt N. N., BAYARI C. S.  
HYDROLOGICAL PROCESSES, vol.19, no.17, pp.3269-3284, 2005 (SCI-Expanded)
- XX. **LUMPED Unsteady: a Visual Basic (R) code of unsteady-state lumped-parameter models for mean residence time analyses of groundwater systems**  
Ozyurt N. N., BAYARI C. S.  
COMPUTERS & GEOSCIENCES, vol.31, no.3, pp.329-341, 2005 (SCI-Expanded)
- XXI. **LUMPED: a Visual Basic code of lumped-parameter models for mean residence time analyses of groundwater systems**  
Ozyurt N. N., BAYARI C. S.  
COMPUTERS & GEOSCIENCES, vol.29, no.1, pp.79-90, 2003 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Determination of groundwater vulnerability in karstic environments by using SINTACS method: Altinova aquifer case study**  
Amil A., Cil A., AVCI P., MUHAMMETOĞLU A., ÖZYURT N. N.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.3, pp.559-571, 2020 (ESCI)
- II. **Zamanda Sürekli ve Süreksiz Yeraltısuyu Kot, Sıcaklık ve Özgül Elektriksel İletkenlik Verileri Işığında Demre Kıyı Akiferinde (Antalya) Yeraltısuyu Akım Dinamiği**  
AVCI P., BAYARI C. S., ÖZYURT N. N.  
Deu Muhendislik Fakultesi Fen ve Muhendislik, vol.21, no.63, pp.897-909, 2019 (Peer-Reviewed Journal)
- III. **Hydrogeological conceptual model of Gazipasa coastal aquifer (Antalya)**  
Bozan C., AVCI P., ÖZYURT N. N., BAYARI C. S.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.25, no.3, pp.352-363, 2019 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **ANTALYA TRAVERTEN PLATOSU AKİFERİNDE YERALTISUYU KÖKENİNİN SU İZOTOPLARI İLE ARAŞTIRILMASI**  
ÖZYURT N. N., KAYA Ö. A., AVCI P., MUHAMMETOĞLU A.  
5. ULUSAL HİDROLOJİDE İZOTOP TEKNİKLERİ SEMPOZYUMU, İstanbul, Turkey, 16 - 18 October 2019
- II. **SÜRDÜRÜLEBİLİR TARIM UYGULAMALARI İÇİN SU İZOTOPLARININ KULLANIMI**  
AVCI P., BAYARI C. S., HATİPOĞLU BAĞCI Z., ÖZYURT N. N.  
5. ULUSAL HİDROLOJİDE İZOTOP TEKNİKLERİ SEMPOZYUMU, İstanbul, Turkey, 16 - 18 October 2019
- III. **ENVIRONMENTAL ISOTOPE APPLICATIONS IN MEDITERRANEAN COASTAL PLAINS OF TURKEY: EFFECTS OF IRRIGATION**  
AVCI P., BAYARI C. S., ÖZYURT N. N.  
International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes, vİYANA, Austria, 20 - 24 May 2019
- IV. **Establishment of Groundwater Vulnerability Maps in Karst Aquifers Under Greenhouse Cultivation: Altinova Aquifer (Antalya, Turkey)**

AMİL A., AVCI P., ÇİL A., MUHAMMETOĞLU A., ÖZYURT N. N.

9th International Symposium on Eastern Mediterranean Geology (ISEMG 2018), 7 - 11 May 2018

- V. **Determination the Impact of Climate Change and Water Demand Scenarios on Demre Coastal Aquifer (Antalya,Turkey)'**  
AVCI P., BAYARI C. S., ÖZYURT N. N.  
9thInternational Symposium on Eastern Mediterranean Geology (ISEMG2018), Antalya, Turkey, 7 - 11 May 2018, pp.48
- VI. **Modeling of regional land subsidence due to aquitard drainage in Konya closed sub-basin, Turkey**  
AVCI P., BAYARI C. S., ÖZYURT N. N.  
44th Annual Congress of theInternational Association of Hydrogeologists (IAH), Dubrovnik, Croatia, 25 - 29 September 2017, vol.1, pp.162
- VII. **Chemical and isotope composition of fluids related to travertine formation in Western and Central Turkey: inferences on the role of tectonics in fluid circulation.**  
RİZZO A., DİRİK R. K., UYSAL T. İ., CARACAUSİ A., ITALIANO F., MİSSERİ M., YÜCE G., MUTLU H., ÜNAL İMER E., TEMEL A., et al.  
ICGG14 International Conference on Gas Geochemistry, Wroclaw, Poland, 24 September - 01 October 2017, pp.96-98
- VIII. **GAZİPAŞA (ANTALYA) KIYI OVASI AKİFERİNİN İZOTOP VEHİDROKİMYASAL HİDROJEOLJİK MODELİ**  
bozan Ç., AVCI P., ÖZYURT N. N., ERKAN G., BAYARI C. S.  
Uluslararası Katılımlı 70. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 10 - 14 April 2017, vol.1, pp.284-285
- IX. **Anadolu'daki aktif fay zonlarından elde edilen radyometrik, duraylı izotopik, jeokimyasal ve asal gaz sinyalleri**  
MUTLU H., DİRİK R. K., UYSAL T., YÜCE G., BAYARI C. S., ÖZYURT N. N., TEMEL A., ÜNAL E., AYDOĞDU İ., YILDIRIM G., et al.  
Uluslararası Katılımlı 70. Türkiye Jeoloji Kurultayı, 10 - 14 April 2017
- X. **KARABÜK VE YENİCE BÖLGELERİNDE TAŞKINMODELLEME ÇALIŞMALARI**  
UÇAR İ., Çetinkaya s., ERCANOĞLU M., SÖNMEZ H., ÖZYURT N. N., ÖZSAYIN E., DAĞDELENLER G., KAHRAMAN B., mercan s.  
4. Ulusal Taşkın Sempozyumu, Turkey, 23 - 25 November 2016
- XI. **Karabük ve Yenice bölgelerinde taşkın modelleme çalışmaları**  
UÇAR İ., Çetinkaya S., ERCANOĞLU M., SÖNMEZ H., ÖZYURT N. N., ÖZSAYIN E., DAĞDELENLER G., KAHRAMAN B., mercan s.  
4. Ulusal Taşkın Sempozyumu, Rize, Turkey, 21 - 24 November 2016
- XII. **Long term groundwater level changes in Demre coastal aquifer SW Turkey as a measure of sustainable use of the aquifer**  
AVCI P., BAYARI C. S., ÖZYURT N. N.  
World Multi Disciplinary Earth Science Symposium 2016 (WMESS 2016), Prag, Czech Republic, 5 - 09 September 2016
- XIII. **Assessment of landslide and flood hazard potential of Yenice district Karabük Turkey**  
ERCANOĞLU M., UÇAR İ., SÖNMEZ H., ÖZYURT N. N., DAĞDELENLER G., ÖZSAYIN E., KAHRAMAN B., Çetinkaya S., Alkevlı T.  
International Symposium on Natural Hazards and Hazard Management-DAAYS'16, 2 - 04 March 2016
- XIV. **ASSESSMENT OF LANDSLIDE AND FLOOD HAZARD POTENTIAL OF YENİCE DISTRICT KARABUK TURKEY**  
ERCANOĞLU M., UÇAR İ., SÖNMEZ H., ÖZYURT N. N., DAĞDELENLER G., ÖZSAYIN E., KAHRAMAN B., ÇETİNKAYA S., ALKEVLİ T.  
Uluslararası Doğal Afetler ve Afet Yönetimi Sempozyumu (DAAYS'16), 2 - 04 March 2016
- XV. **Tritiyum Tritiyojenik Helyum 3 Yöntemi ile Demre Ovasındaki Yeraltısuyu Besleniminin İncelenmesi**  
ÖZYURT N. N., AVCI P., BAYARI C. S., ERKAN G.  
4. Ulusal Hidrolojide İzotop Teknikleri Sempozyumu, İstanbul, Turkey, 5 - 09 October 2015
- XVI. **Sustainable Groundwater Management in Demre Coastal Aquifer SW Turkey**

- AVCI P., BAYARI C. S., ÖZYURT N. N.  
Aqua 2015: Hydrogeology Back to the Future, 13 - 18 September 2015
- XVII. **LANDSLIDE SUSCEPTIBILITY ASSESSMENT IN YENICE REGION KATABUK NW TURKEY COMPARISON OF ARTIFICIAL NEURAL NETWORK WITH LOGISTIC REGRESSION**  
TOLGA A., DAĞDELENLER G., ÇETİNKAYA S., ÖZSAYIN E., KAHRAMAN B., ÖZYURT N. N., UÇAR İ., SÖNMEZ H., ERCANOĞLU M.  
World Multidisciplinary Earth Sciences Symposium (WMESS) 2015, 7 - 11 September 2015
- XVIII. **Landslide susceptibility assessment in Yenice Region Karabük NW Turkey comparison of Artificial Neural Network with Logistic Regression**  
Alkeveli T., DAĞDELENLER G., Çetinkaya S., ÖZSAYIN E., KAHRAMAN B., ÖZYURT N. N., Uçar İ., SÖNMEZ H., ERCANOĞLU M.  
World Multidisciplinary Earth Sciences Symposium – WMESS 2015, Prag, Czech Republic, 7 - 11 September 2015
- XIX. **Environmental isotopes as a tool for food security sustainable groundwater management in the coastal Demre plain Antalya SW Turkey**  
AVCI P., BAYARI C. S., ÖZYURT N. N.  
International Symposium on Isotope Hydrology: Revisiting Foundations and Exploring Frontiers, 11 - 16 May 2015
- XX. **The origin of the fluids circulating over the Amik Basin Turkey and their relationships with the Dead Sea Fault**  
YÜCE G., Francesco I., D Alessandro W., Yalcin T., YASİN D., Gulbay A., ÖZYURT N. N., ROJAY F. B., KARABACAK V., BELLOMO S., et al.  
ICGG12, International Conference on Gas Geochemistry, Patras, Greece, 1 - 07 September 2013, pp.39
- XXI. **Groundwater age: A vital information in protecting the groundwater dependent ecosystem**  
BAYARI S., ÖZYURT N. N., HATİPOĞLU Z., KILANI S.  
NATO Advanced Research Workshop on Groundwater and Ecosystems, Çanakkale, Turkey, 5 - 07 September 2005, vol.70, pp.33-36

## Supported Projects

- ÖZYURT N. N., Amil A., Project Supported by Higher Education Institutions, ALTİNOVA AKİFERİNİN (ANTALYA) KİRLİLİĞE DUYARLILIĞININ DEĞERLENDİRMEİ, 2018 - 2018
- AVCI P., ÖZYURT N. N., BAYARI C. S., Project Supported by Higher Education Institutions, Konya kapalı havzasında akifer drenajından dolayı oluşan bölgesel oturmanın modellenmesi, 2017 - 2017
- ÖZYURT N. N., TUBİTAK Project, Integrated Management of Groundwater Quality in Agricultural Karstic Regions Using Groundwater Risk Assessment and Pesticide Risk Indicators, 2015 - 2017
- ÖZYURT N. N., TUBİTAK Project, Yeraltısuyu Risk Değerlendirmesi ve Pestisit Risk İndikatörleri Kullanılarak Tarımsal Karstik Bölgelerdeki Yeraltısuyu Kalitesinin Entegre Yönetimi, 2015 - 2017
- AVCI P., BAYARI C. S., ÖZYURT N. N., Project Supported by Higher Education Institutions, AKİFERİN SÜRDÜRÜLEBİLİR KULLANIMININ BİR ÖLÇÜSÜ OLARAK DEMRE KIYI AKİFERİNDE (GB TÜRKİYE) UZUN DÖNEM YERALTISUYU SEVİYE DEĞİŞİKLİKLERİ, 2016 - 2016
- ÖZYURT N. N., Project Supported by Higher Education Institutions, DeepKarst 2016 Konferansı Katılımı, 2016 - 2016
- BAYARI C. S., AVCI P., ERKAN G., TOPUZ B., Bozan Ç., ÖZYURT N. N., Project Supported by Higher Education Institutions, Gazipaşa (Antalya) Kıyı Ovasının hidrojeolojik İncelemesi, 2015 - 2016
- ÖZYURT N. N., Kaya Ö. A., ERKAN G., Amil A., AVCI P., TOPUZ B., Project Supported by Higher Education Institutions, Altınova Akiferinde Antalya Yeraltısuyu Kökeninin Çevresel İzleyici ve Hidrokimya Teknikleri ile Araştırılması, 2015 - 2016
- ÖZYURT N. N., Project Supported by Higher Education Institutions, AQUA 2015 Uluslararası Hidrojeologlar Birliği Kongresi Katılımı, 2015 - 2015

## **Metrics**

Publication: 46

Citation (WoS): 725

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