



Özgün Akdeğirmen

Date of birth: 28/02/1984 | Nationality: Turkish | Gender: Male | Email

address: oakdegirmen@gmail.com

WORK EXPERIENCE

03/03/2015 – CURRENT Antalya, Turkey

UNIVERSITY RESEARCH ASSISTANT ANTALYA BILIM UNIVERSITY

I take part in modeling, time series and spatial data analysis, GIS operations stages of water resource projects.

EDUCATION AND TRAINING

14/01/2020 – CURRENT Isparta, Turkey

PHILOSOPHY OF DOCTORATE Süleyman Demirel University

Address Süleyman Demirel Üniversitesi Mühendislik Fakültesi İnşaat Mühendisliği Bölümü Çünür/Isparta, Isparta/Türkiye, Isparta, Turkey

Website <https://international.sdu.edu.tr/> | **Field of study** Hydrological Modeling |

Thesis HBV and Mapshed Model Performance Analysis, Case Study of Küçük Aksu Basin

30/07/2019 İzmir, Turkey

MASTER OF SCIENCE IN CIVIL ENGINEERING İzmir Institute of Technology

Address Gülbahçe Kampüsü, Urla, İzmir, Turkey | **Website** <https://iyte.edu.tr/> |

Field of study Hydromechanics and Water Resources

13/03/2014 Denizli, Turkey

BACHELOR DEGREE IN CIVIL ENGINEERING Pamukkale University

Address Kınıklı mah. Üniversite cad., No:11 Pamukkale, Denizli, Turkey | **Website** <https://www.pau.edu.tr/>

LANGUAGE SKILLS

Mother tongue(s): **TURKISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Office Programs | Hec-HMS | Hec-RAS | ArcGIS QGIS | EPA Storm Water Management Model (SWMM) | Flow-3D | Generalized Watershed Loading Function (GWLF-E) | HBV model | AutoCAD

ADDITIONAL INFORMATION

PUBLICATIONS

[Drought Assessment across Erbil Using Satellite Products](#) – 2023

Assessment of pressures and impacts on water quality of a small Mediterranean stream using an integrated approach

– 2022

Stormwater Drainage Impact of Impervious Structures on Surrounding Soil – 2022

Estimation of Urban Imperviousness and its Impacts on Flashfloods in Gazipaşa, Turkey – 2021

Hec Hms Hydrological Model Application Using SCS Curve Number and Soil Moisture Accounting: Case Study of Alaşehir Basin

– 2019

Master of Science thesis submitted to the Graduate School of Engineering and Sciences of İzmir Institute of Technology

Engineering Ethics in Civil Engineering Education – 2016

CONFERENCES AND SEMINARS

28/11/2022 – 02/12/2022

Climate change impacts on diffuse pollution loads: Case study of Aksu Stream, Antalya-Turkey

04/04/2022 – 06/04/2022 – 7 th YWP BeNeLux conference, Delft/Netherlands

Estimation of Diffuse Pollution Loads in a Small Mediterranean Watershed using GIS and MapShed Model

08/11/2021 – 12/11/2021 – Fifth International Conference on Natural Resources and Sustainable Environmental Management

GWLF-E Hydrological Model Application Case Study of Lower Aksu Basin, Turkey

17/06/2019 – 18/06/2019 – 4th Euroasian Conference on Civil and Environmental Engineering, İstanbul/Turkey.

Flood Wave Routing at Çamlıova Reservoir, Antalya, Turkey

Link https://www.researchgate.net/publication/334416507_Flood_Wave_Routing_at_Camliova_Reservoir_Antalya_Turkey

12/09/2018 – 14/09/2018 – 13th International Congress on Advances in Civil Engineering, İzmir/Turkey.

Cyprus Water Supply Project: Features and Outcomes

Link <http://acikerisim.antalya.edu.tr/handle/20.500.12566/74?locale-attribute=en>

23/04/2018 – 27/04/2018 – 71st Geology Congress, Ankara/Turkey.

Alaşehir Basin SMA (Soil Moisture Accounting) Hydrological Model

Link https://www.jmo.org.tr/resimler/ekler/8ae3c2b9b61223d_ek.pdf

04/10/2017 – 06/10/2017 – 9th National Hydrology Conference, Diyarbakır/Turkey.

Alaşehir Basin Hec-HMS basin model building studies

22/03/2017 – 24/03/2017 – IWA PPFW2017 2nd IWA Regional Symposium on Water, İzmir/Turkey.

Numerical Flood Models in Projected Waste Disposal Site in Izmir

22/03/2017 – 24/03/2017 – IWA PPFW2017 2nd IWA Regional Symposium on Water, İzmir/Turkey.

Investigation of Groundwater Recharges Mechanism in Alaşehir Plain: From Physical Characterization to Modeling

Link <https://gcris.iyte.edu.tr/handle/11147/7279>

24/10/2015 – 25/10/2015 – 3rd Civil Engineering Education Symposium, Ankara/TURKEY.

Civil Engineering Ethics Education

Link https://samsun.imo.org.tr/resimler/ekutuphane/pdf/17756_03_56.pdf

PROJECTS

01/04/2020 – 2022

Evaluation and management of river water quality by using deterministic modeling of river water quality, water quality indexes and statistical analyses Turkish Government Research Organization

(TÜBİTAK) founded project. Hydrological, sediment transport and dissolved pollutant transport coupled model.

2019 – 2020

Izmir, Karakuyu Region sinkhole rehabilitation project Founded by private company Mavi Nokta. Hydrological modeling to estimate seasonal water accumulations over landscape for Karakuyu Region.

2019 – 2019

Izmir, Zeytinalanı Village Cemetery drainage line project Storm water surface drainage line structure design on Zeytinalanı Village Cemetery.

2018 – 2018

Izmir, Kadifekale suburban area drainage line design Storm water surface drainage line structure design on Kadifekale region in Izmir, Turkey.

2016 – 2018

Investigation of aquifer based groundwater percolation rates and GIS based percolation map establishment in Alaşehir Subbasin Turkish Government Research Organization (TÜBİTAK) founded project. Hydrological Modeling using SCS Curve Number and Soil Moisture Accounting (SMA) methods.

2017 – 2017

Izmir, Doğançay Village Cemetery flood analysis and drainage line design Storm water surface drainage line structure design and 1-D flood analyses on Izmir, Doğançay Village Cemetery.

2016 – 2016

Izmir, Yamanlar designated waste disposal site flood analysis 1-D and 2-D flood model application and analyses on Yamanlar Region.

HONOURS AND AWARDS

06/04/2022

2nd place on presentation awards in 7th YWP Benelux Conference – IWA (International Water Association) I have been awarded with 2nd place on jury presentation awards in 7th YWP Benelux Conference with my presentation titled "Estimation of Diffuse Pollution Loads in a Small Mediterranean Watershed using GIS and MapShed Model"