

## Res. Asst. HASAN OĞULCAN MARANGOZ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: JAD-2121-2023

ScopusID: 57226355301

Yoksis Researcher ID: 299109

### Biography

#### EDUCATION

Degree	Department/Program	University	Years of Study
BSc	Civil Engineering	Karadeniz Technical University (KTU)	2013-2017
BSc	Geomatic Engineering (Second Major)	Karadeniz Technical University (KTU)	2014-2017
MSc	Civil Engineering Department	Karadeniz Technical University (KTU)	2017-2019
MSc	Civil Engineering Department	Recep Tayyip Erdogan University (RTEU)	2019-2020
PhD	Civil Engineering Department	Recep Tayyip Erdogan University (RTEU)	2020-ongoing
PhD	Civil Engineering Department	İstanbul Technical University (ITU)	2020-2020
PhD	Civil Engineering Department	Middle East Technical University (METU)	2020-2021
PhD	Civil Engineering Department	Bogaziçi University (BOUN)	2021-2021

#### TITLE OF BSc THESIS

Marangoz H.O., Sarı M. "Sustainable Multi-Story Composite Building; Design and Project of Turquoise", Karadeniz Technical University, Engineering Faculty, Unpublished Bsc. Thesis, Civil Engineering, Trabzon, 2017. Advisory of Thesis:

Prof Dr. Metin Hüsem.

Marangoz H.O. "Exploring the Usability of SAR Images as an Alternative to the GPR Technique", Karadeniz Technical University, Engineering Faculty, Unpublished Bsc. Thesis, Geomatic Engineering. Trabzon, 2017. Advisory of Thesis: Assist. Prof. Dr. Esra Tunç Görmüş

### **TITLE of MSc THESIS**

Marangoz H.O. "Modelling of Dam Break Induced Flood Wave Using Diffusion and Momentum Wave Approaches". Civil Engineering Department. Rize, 2021. Advisories of Thesis: Assist. Prof. Dr. Tuğçe Anılan, Prof. Dr. Servet Karasu,

### **SCHOLARSHIP**

Ronesans Holding Company, High-Succes Scholarship, October 2014 - June 2017

### **Education Information**

Doctorate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Turkey 2020 - Continues

Postgraduate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Turkey 2019 - 2020

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2017 - 2019

Undergraduate Double Major, Karadeniz Technical University, Mühendislik Fakültesi, Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Turkey 2012 - 2017

### **Research Areas**

Civil Engineering, Hydraulic

### **Academic Titles / Tasks**

Research Assistant, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2019 - Continues

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

- I. **Investigating the Non-Linear Effects of Breach Parameters on a Dam Break Study**  
Marangoz H. O., Anılan T., Karasu S.  
WATER RESOURCES MANAGEMENT, vol.38, pp.1773-1790, 2024 (SCI-Expanded)
- II. **Monitoring Sediment Transport in Certain Harbor Launches in the Southeastern Black Sea**  
Karasu S., Marangoz H. O., Kocapir B. H., Yılmaz E., Özölçer İ. H., Akpınar A.  
WATER (SWITZERLAND), vol.15, no.21, pp.1-29, 2023 (SCI-Expanded)
- III. **Performance based assessment of a small-scale artificially nourished beach**

Karasu S., Marangoz H. O., Gülkaya E., Akpınar A., Ceylan Y., Yılmaz E.  
Ocean and Coastal Management, vol.244, 2023 (SCI-Expanded)

**IV. Two-dimensional modeling of flood wave propagation in residential areas after a dam break with application of diffusive and dynamic wave approaches**

Marangoz H. O., Anılan T.

NATURAL HAZARDS, vol.110, no.1, pp.429-449, 2022 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Comparison of Bathymetry Created with General Bathymetric Charts of the Oceans and Bathymetry Created by Traditional Methods**

Marangoz H. O., Süme V., Karasu S., Anılan T., Yılmaz E.

10th Coastal Engineering Symposium, İzmir, Turkey, 16 - 18 November 2023, vol.1, pp.257-266

**II. Examining the Effectiveness of Artificial Coastal Nourishment on World Coasts and Criteria for Artificial Coastal Nourishment**

Yılmaz E., Süme V., Marangoz H. O.

10th Coastal Engineering Symposium, İzmir, Turkey, 16 - 18 November 2023, vol.1, pp.510-522

**III. Dam-Break Induced Flood Wave Propagation on a Residential Area by Derivation of Saint-Venant Equations**

Marangoz H. O., Anılan T., Karasu S.

ICEARC23, Trabzon, Turkey, 12 - 14 November 2023, vol.1, pp.580-586

**IV. Flood Wave Propagation Solution Comparison After Dam-Break Event By Using Differential Wave and Dynamic Momentum Methods**

MARANGOZ H. O., ANILAN T., AKÇALI E., FIRAT ERSOY A., ERSOY H., KARAHAN M.

5 th International Symposium on Dam safety, İstanbul, Turkey, 27 October - 01 November 2018, vol.1, pp.437-447

## **Supported Projects**

Marangoz H. O., Fırat Ersoy A., Sünneci M. O., Ersoy H., Çan T., Dindaroğlu T., Karahan M., Tekin S., Project Supported by Higher Education Institutions, 6 Şubat 2023 Kahramanmaraş Depremleri Sonrası Oluşan Heyelan Set Göllerinin Yıkılma Senaryolarının 3 Boyutlu Nümerik Simülasyonlarla Modellenmesi ve Taşkın Yayılım Haritalarının Hazırlanması, 2023 - 2025

Karasu S., Günbak A. R., Marangoz H. O., Akpınar A., Yılmaz E., Project Supported by Other Private Institutions, Atık Su Arıtma Tesisi Kıyı Koruma Tedbirlerinin Belirlenmesi (RİZE), 2022 - 2023

## **Metrics**

Publication: 9

Citation (WoS): 9

Citation (Scopus): 10

## **Scholarships**

Başarı Bursu, Special Institutions and Organizations, 2014 - 2017

## **Awards**

Marangoz H. O., Sustainable Multi-Storey Building Design ", KTU-TTO From Dream to Reality Project Market Competition, Karadeniz Teknik Üniversitesi, May 2017  
Marangoz H. O., TÜBİTAK 2209B/5 Industry Oriented Undergraduate Thesis Support Program, Tübitak, June 2016  
Marangoz H. O., TÜBİTAK 2238 Inter-University Entrepreneurship and Innovation Competition, Tübitak, May 2016