

## Res. Asst. PhD SERKAN GÖKMENER

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABA-1703-2020

ScopusID: 57382142600

Yoksis Researcher ID: 303528

### Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2016 - 2023

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2013 - 2016

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 2006 - 2012

### Dissertations

Doctorate, Effect of Flow Intensity and Collars on Scour Depths Around Bridge Abutments, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2023

Postgraduate, INVESTIGATION OF CRITICAL SUBMERGENCE AT SINGLE AND MULTIPLE- HORIZONTAL INTAKE STRUCTURES HAVING AIR ENTRAINING VORTICES, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2016

### Research Areas

Civil Engineering, Hydraulic, Hydraulic Structures, Open Channel Flow, Bridge Hydraulics

### Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2019 - Continues

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

- Effects of collars in reducing local scour depth around bridge abutments under unsteady flow conditions**  
GÖKMENER S., Gogus M., ALTAN SAKARYA A. B.

ACTA GEOPHYSICA, no.1, pp.729-753, 2025 (SCI-Expanded)

- II. **Site selection of floating photovoltaic systems on hydropower reservoirs using fuzzy sine trigonometric decision-making model: Turkey as a case study**  
Haspolat E., Cicek D. D., Gökmener S., Melek A. B., Devenci M., Oğuz E.  
Renewable and Sustainable Energy Reviews, vol.206, 2024 (SCI-Expanded)
- III. **Fuzzy Einstein-based decision-making model for the evaluation of site selection criteria of floating photovoltaic system**  
Melek A. B., Gökmener S., Haspolat E., Çiçek D. D., Devenci M., Oğuz E., Khorasanchi M.  
Ocean Engineering, vol.301, 2024 (SCI-Expanded)
- IV. **Critical Submergence for Single and Multiple Horizontal Intake Structures**  
Gogus M., Gökmener S.  
Arabian Journal for Science and Engineering, vol.48, no.10, pp.13091-13115, 2023 (SCI-Expanded)
- V. **Site selection for floating photovoltaic system on dam reservoirs using sine trigonometric decision making model**  
Gökmener S., Oğuz E., Devenci M., Göllü K.  
Ocean Engineering, vol.281, 2023 (SCI-Expanded)
- VI. **Effects of collars on local scour around semi-circular end bridge abutments**  
Gogus M., Daskin S., Gökmener S.  
Proceedings of the Institution of Civil Engineers: Water Management, vol.177, no.2, pp.86-96, 2023 (SCI-Expanded)
- VII. **Local scour evolution around semi-circular end bridge abutment in quasi-unsteady condition**  
Gökmener S., Gogus M.  
Proceedings of the Institution of Civil Engineers: Water Management, vol.175, pp.163-177, 2022 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Temporal Development of Local Scour Around Bridge Abutments under a Stepwise Hydrograph**  
Gökmener S., Göğüş M., Altan Sakarya A. B.  
8th IAHR Europe Congress, Lisbon, Portugal, 4 - 07 June 2024, pp.1-2
- II. **Site Selection Criteria of Floating Solar Power Plants**  
Gökmener S., Çiçek D. D., Oğuz E., Haspolat E., Melek A. B., Devenci M.  
10.Kıyı Mühendisliği Sempozyumu, İzmir, Turkey, 16 - 17 November 2023, pp.324-336
- III. **Effects of Floating Rafts as Anti-Vortex Devices at Horizontal Intakes**  
Gogus M., GÖKMENER S.  
40th IAHR World Congress, 2023, Vienna, Austria, 21 - 25 August 2023, pp.2060-2066
- IV. **Trajectory Length Determination for Bottom Outlet of Inoren Regulator and HEPP**  
Yavuz C., Gökmener S., Yilmaz K.  
13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018

## Scientific Refereeing

RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, Journal Indexed in SCI-E, January 2025

CLEANER ENGINEERING AND TECHNOLOGY, Journal Indexed in ESCI, January 2025

Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, Other Indexed Journal, October 2024

WATER RESOURCES MANAGEMENT, Journal Indexed in SCI-E, September 2024

ENERGY CONVERSION AND MANAGEMENT, Journal Indexed in SCI-E, July 2024

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY - TRANSACTIONS OF CIVIL ENGINEERING, Journal Indexed in SCI-E, June 2024

ENERGY CONVERSION AND MANAGEMENT, Journal Indexed in SCI-E, May 2024

OCEAN ENGINEERING, Journal Indexed in SCI-E, December 2022

OCEAN ENGINEERING, Journal Indexed in SCI-E, October 2022

OCEAN ENGINEERING, Journal Indexed in SCI-E, June 2022

OCEAN ENGINEERING, Journal Indexed in SCI-E, March 2022

## **Metrics**

Publication: 11

Citation (WoS): 16

Citation (Scopus): 28

H-Index (WoS): 2

H-Index (Scopus): 2