

## Assoc. Prof. ELİF OĞUZ

### Personal Information

**Office Phone:** [+90 312 210 5451](tel:+903122105451)

**Email:** elifoguz@metu.edu.tr

**Web:** <https://blog.metu.edu.tr/elifoguz/>

### International Researcher IDs

ScholarID: 2qtHDMAAAAJ

ORCID: 0000-0003-3574-9436

Publons / Web Of Science ResearcherID: ABA-2278-2020

ScopusID: 36984250700

Yoksis Researcher ID: 153133



### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2020 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2018 - 2020

Lecturer PhD, University of Strathclyde, Engineering Faculty, 2016 - 2018

Research Assistant, University of Strathclyde, Engineering Faculty, 2014 - 2016

Research Assistant, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2009 - 2014

### Academic and Administrative Experience

ABET Committee, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2022 - Continues

Rektörlük Stratejik Plan Komisyonu Üyesi, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2021 - Continues

Assistant Manager of Research and Application Center, Middle East Technical University, Presidency Office, RÜZGEM (METUWIND) Center for Wind Energy Research , 2020 - Continues

Member of the Rectorate Academic Performance Evaluation Commission, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2019 - Continues

CE Student Academic Research (STAR) Program Coordinator, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2018 - Continues

Department Project Coordination R&D Committee, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2020 - 2022

### Courses

Numerical Modelling of Offshore Wind Turbines, Postgraduate, 2022 - 2023

Special Topics in Civil Engineering: Hydrodynamics of Offshore Platforms, Undergraduate, 2022 - 2023

Fluid Mechanics, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Hydromechanics, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

## Advising Theses

Oğuz E., Investigating impact of design modifications on the performance of a Savonius hydrokinetic turbine at low speeds, Postgraduate, D.DERMAN(Student), 2024

Oğuz E., Investigating Reynolds number effects in hydrofoil dimensioning a case study: KAAAN-19 coast guard boat, Postgraduate, T.ALPA(Student), 2024

Oğuz E., Huvaj Sarihan N., OFFSHORE WIND TURBINES IN MARMARA REGION, TÜRKİYE: SITE SELECTION AND PRELIMINARY GEOTECHNICAL DESIGN OF MONOPILES, Postgraduate, E.CACEOĞLU(Student), 2023

Oğuz E., Atashbar Orang A., Modification of Hydrokinetic Savonius Turbine for low water speeds, Postgraduate, C.Augustine(Student), 2022

Oğuz E., Hydrodynamic analysis of floating offshore wind turbine concepts: A case study in Black Sea, Postgraduate, B.YILDIRIM(Student), 2022

Oğuz E., Sezer Uzoğlu N., AERODYNAMIC AND HYDRODYNAMIC INVESTIGATIONS ON UPSCALING EFFECTS AND OPTIMIZATION OF OFFSHORE WIND TURBINES, Postgraduate, M.JUANDA(Student), 2022

Oğuz E., Site selection for floating photovoltaic (PV) panels on 8 HEPP reservoirs in Turkey by using analytical hierarchical process (AHP), Postgraduate, K.GÖLLÜ(Student), 2022

Oğuz E., A NUMERICAL INVESTIGATION OF A TLP SYSTEM, Postgraduate, M.NEŞE(Student), 2022

Oğuz E., INVESTIGATION OF LAYOUT OPTIMIZATION FOR OFFSHORE WIND FARMS AND A CASE STUDY FOR A REGION IN TURKEY, Postgraduate, B.KAYA(Student), 2022

Oğuz E., Huvaj Sarihan N., OFFSHORE WIND FARM SITE SELECTION FOR AEGEAN AND MEDITERRANEAN SEA, TURKEY, Postgraduate, H.KÜBRA(Student), 2021

Oğuz E., A COMPARISON OF RENEWABLE ENERGY SYSTEMS (ONSHORE WIND, OFFSHORE WIND, CONVENTIONAL PV) FOR BOZCAADA ISLAND, Postgraduate, A.EYLÜL(Student), 2020

Oğuz E., FEASIBILITY OF GÖKÇEKAYA PUMPED STORAGE HYDROPOWER PLANT AND METRİSTEPE WIND POWER PLANT, Postgraduate, Ö.AĞDOĞAN(Student), 2020

## Jury Memberships

Post Graduate, Post Graduate, Middle East Technical University, February, 2022

Post Graduate, Post Graduate, Middle East Technical University, February, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Middle East Technical University, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Middle East Technical University, December, 2021

Post Graduate, Post Graduate, Middle East Technical University, November, 2021

Post Graduate, Post Graduate, Middle East Technical University, November, 2021

Post Graduate, Post Graduate, Middle East Technical University, July, 2021

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2020

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, August, 2020

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, August, 2020

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, December, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, December, 2019

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, December, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2019  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2019  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, August, 2019  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, July, 2019  
Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, May, 2019

## Designed Lessons

Oğuz E., Special Topics in Civil Engineering: Hydrodynamics of Offshore Platforms, Undergraduate, 2022 - 2023  
Oğuz E., Numerical Modelling of Offshore Wind Turbines, Postgraduate, 2022 - 2023

## Taught Courses And Trainings

Sezer Uzol N., Oğuz E., Orbay Akcengiz E., Aslan E., Adam A. A., Uçar M., Juanda Putra M., Önel H. C., EuroCC Türkiye - METU RÜZGEM Training on “CFD and Performance Simulations of Wind Turbines”, 2023 - 2023  
Sezer Uzol N., Oğuz E., Orbay Akcengiz E., Juanda Putra M., Aslan E., Adam A. A., Önel H. C., EuroCC-Türkiye – METU RÜZGEM Workshop on Wind Energy Computational Analyses, 2022 - 2022  
Uzol O., Durak M., Oğuz E., Huvaj Sarihan N., Taktak O., Sümer B. M., Kırca V. Ş. Ö., Keysan O., Yaşacan B., Şekerci E., DENİZÜSTÜ RÜZGAR ENERJİSİ EĞİTİMİ PROGRAM, 2021 - 2021  
Uzol O., Çöker D., Kayran A., Sezer Uzol N., Oğuz E., Huvaj Sarihan N., Keysan O., Perçin M., Rüzgar Türbin Teknolojileri Temel Eğitimi , 2021 - 2021  
Uzol O., Kayran A., Sezer Uzol N., Çöker D., Huvaj Sarihan N., Oğuz E., Keysan O., Perçin M., Rüzgar Enerjisi ve Rüzgar Türbini Teknolojileri Temel Eğitimi, 2019 - 2019  
Oğuz E., İMO Mesleki Eğitim Programı - Açık Deniz Yüzer Rüzgar Türbini Uygulaması ve Örnekleri , 2019 - 2019

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

- I. **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., Deveci M., Oğuz E., Khorasanchi M.  
Ocean Engineering, vol.301, 2024 (SCI-Expanded)
- II. **Aerodynamic and hydrodynamic investigations on linear upscaling and optimization of floating offshore wind turbines**  
Putra M. J., Oğuz E., Uzol N. S.  
OCEAN ENGINEERING, vol.287, pp.115728-115740, 2023 (SCI-Expanded)
- III. **Site selection for floating photovoltaic system on dam reservoirs using sine trigonometric decision making model**  
Gökmener S., Oğuz E., Deveci M., Göllü K.  
Ocean Engineering, vol.281, 2023 (SCI-Expanded)
- IV. **Performance investigation of a drag-based hydrokinetic turbine considering the effect of deflector, flow velocity, and blade shape**  
Maldar N. R., Yee N. C., OĞUZ E., Krishna S.  
Ocean Engineering, vol.266, 2022 (SCI-Expanded)
- V. **Investigation of layout optimization for offshore wind farms and a case study for a region in Turkey**  
Kaya B., OĞUZ E.  
OCEAN ENGINEERING, vol.266, 2022 (SCI-Expanded)
- VI. **Floating photovoltaic site selection using fuzzy rough numbers based LAAW and RAFSI model**  
Deveci M., Pamucar D., OĞUZ E.

APPLIED ENERGY, vol.324, 2022 (SCI-Expanded)

- VII. **Potential and prospects of hydrokinetic energy in Malaysia: A review**  
Maldar N. R., Ng C. Y., Patel M. S., OĞUZ E.  
Sustainable Energy Technologies and Assessments, vol.52, 2022 (SCI-Expanded)
- VIII. **Offshore wind power plant site selection using Analytical Hierarchy Process for Northwest Turkey**  
Caceoğlu E., Yildiz H. K., Oğuz E., Huvaj Sarihan N., Guerrero J. M.  
Ocean Engineering, vol.252, 2022 (SCI-Expanded)
- IX. **A review of the optimization studies for Savonius turbine considering hydrokinetic applications**  
Maldar N. R., Ng C. Y., OĞUZ E.  
Energy Conversion and Management, vol.226, 2020 (SCI-Expanded)
- X. **A Comparative Study on the Performance of a Horizontal Axis Ocean Current Turbine Considering Deflector and Operating Depths**  
Maldar N. R., Ng C. Y., Ean L. W., OĞUZ E., Fitriadhy A., Kang H. S.  
SUSTAINABILITY, vol.12, no.8, 2020 (SCI-Expanded)
- XI. **Selection of the Most Sustainable Renewable Energy System for Bozcaada Island: Wind vs. Photovoltaic**  
Oğuz E., Şentürk A. E.  
SUSTAINABILITY, vol.11, no.15, 2019 (SCI-Expanded)
- XII. **Life cycle and economic assessment of a solar panel array applied to a short route ferry**  
Wang H., OĞUZ E., Jeong B., Zhou P.  
JOURNAL OF CLEANER PRODUCTION, vol.219, pp.471-484, 2019 (SCI-Expanded)
- XIII. **Multi-criteria decision-making for marine propulsion: Hybrid, diesel electric and diesel mechanical systems from cost-environment-risk perspectives**  
Jeong B., Oguz E., Wang H., Zhou P.  
APPLIED ENERGY, vol.230, pp.1065-1081, 2018 (SCI-Expanded)
- XIV. **Failure modes and criticality analysis of the preliminary design phase of the Mars Desert Research Station considering human factors**  
Oguz E., Kubicek M., Clelland D.  
RELIABILITY ENGINEERING & SYSTEM SAFETY, vol.178, pp.247-254, 2018 (SCI-Expanded)
- XV. **Life cycle cost and environmental impact analysis of ship hull maintenance strategies for a short route hybrid ferry**  
Wang H., Oguz E., Jeong B., Zhou P.  
OCEAN ENGINEERING, vol.161, pp.20-28, 2018 (SCI-Expanded)
- XVI. **Investigating the effect of biofouling on propeller characteristics using CFD**  
Owen D., Demirel Y. K., Oguz E., Tezdogan T., Incecik A.  
OCEAN ENGINEERING, vol.159, pp.505-516, 2018 (SCI-Expanded)
- XVII. **An effective framework for life cycle and cost assessment for marine vessels aiming to select optimal propulsion systems**  
Jeong B., Wang H., Oguz E., Zhou P.  
JOURNAL OF CLEANER PRODUCTION, vol.187, pp.111-130, 2018 (SCI-Expanded)
- XVIII. **Numerical investigation of the behaviour and performance of ships advancing through restricted shallow waters**  
Terziev M., Tezdogan T., Oguz E., Gourlay T., Demirel Y. K., Incecik A.  
JOURNAL OF FLUIDS AND STRUCTURES, vol.76, pp.185-215, 2018 (SCI-Expanded)
- XIX. **Experimental and numerical analysis of a TLP floating offshore wind turbine**  
Oguz E., Clelland D., Day A. H., Incecik A., Amate Lopez J., Sánchez G., Gonzalez Almeria G.  
OCEAN ENGINEERING, vol.147, pp.591-605, 2018 (SCI-Expanded)
- XX. **A comparative study on the design of an environmentally friendly RoPax ferry using CFD**  
Kavli H. P., Oguz E., Tezdogan T.  
OCEAN ENGINEERING, vol.137, pp.22-37, 2017 (SCI-Expanded)
- XXI. **Full-scale CFD investigations of helical strakes as a means of reducing the vortex induced forces on**

#### **a semi-submersible**

Holland V., Tezdogan T., Oguz E.

OCEAN ENGINEERING, vol.137, pp.338-351, 2017 (SCI-Expanded)

**XXII. The effect of reed beds on wave attenuation and suspended sediment concentration**

Oguz E., Elginöz N., Koroglu A., Kabdaşlı M. S.

JOURNAL OF COASTAL RESEARCH, pp.356-361, 2013 (SCI-Expanded)

**XXIII. The effect of an emergent vegetation (i.e. Phragmites Australis) on wave attenuation and wave kinematics**

Akgul M. A., Yilmazer D., Oguz E., Kabdaşlı M. S., Yağcı O.

JOURNAL OF COASTAL RESEARCH, pp.147-152, 2013 (SCI-Expanded)

**XXIV. Numerical Modeling and Site Investigation on Water Body Movements in Ayvalik Bay, Turkey**

İRTEM E., KABDASLI M. S., BAĞCI T., OĞUZ E.

JOURNAL OF COASTAL RESEARCH, pp.1053-1057, 2011 (SCI-Expanded)

**XXV. AN OIL SPILL DISTRIBUTION STUDY IN AN INDUSTRIAL COASTAL ZONE**

KABDASLI M. S., KAÇMAZ E., BAŞ B., OĞUZ E., BAĞCI T.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, pp.1935-1945, 2010 (SCI-Expanded)

### **Articles Published in Other Journals**

**I. Comparison and Evaluation of Open-Source Panel Method Codes against Commercial Codes**

Uçar M., Uzunoğlu E., Oğuz E.

GMO Journal of Ship and Marine Technology, Gemi ve Deniz Teknolojisi Dergisi, vol.221, pp.86-108, 2022 (Peer-Reviewed Journal)

**II. Karasal ve Deniz Üstü Rüzgar Çiftliklerinin Ekonomik ve Çevresel Etkilerinin İncelenmesi**

ŞENTÜRK A. E., OĞUZ E.

Gemi ve Deniz Teknolojisi (GDT) Dergisi (GMO Journal of Ship and Marine Technology (GMOShipMar), vol.217, pp.5-32, 2020 (Peer-Reviewed Journal)

**III. İki hidrodinamik programın karşılaştırılması**

OĞUZ E.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, pp.600-609, 2019 (Peer-Reviewed Journal)

### **Books & Book Chapters**

**I. Rüzgâr Enerjisi**

Kaya M., Yıldırım B., Kentel Erdoğan E., Oğuz E., Ateş F., Tiftikçi A., Çarbaş B., Görgülü A. O., Kıvrak A.

in: Geleneksel ve Yenilenebilir Enerji Kaynakları, Prof.Dr. Hakan DAL ve Prof.Dr. Arif KIVRAK, Editor, Anadolu Üniversitesi, Eskişehir, pp.98-129, 2023

**II. ISSC 2022 Specialist Committee V.4: Offshore Renewable Energy**

Kolios A., Oğuz E., Kim K., Cheng C. H., Morato P., Ralph F., Fang C., Ji C., Le Boulluec M., Choynet T., et al.

in: ISSC 2022 Specialist Committee V.4: Offshore Renewable Energy, ISBN: 979-8-3507-0678-9,

<https://doi.org/10.5957/ISSC-2022-COMMITTEE-V-4>, Atanasios Kolios, Kyong-Hwan Kim, Chen Hsing Cheng, Elif Oguz, Pablo Morato, Freeman Ralph, Chuang Fang, Chunyan Ji, Marc Le Boulluec, Thomas Choynet, Luca

Greco, Tomoaki Utsunomiya, Kourosh Rezanejad, Charles Rawson, Jose Miguel Rodrigues, Editor, Taylor Publishing Company, Vancouver, pp.241-311, 2022

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

**I. Site Selection Criteria of Floating Solar Power Plants**

Gökmener S., Çiçek D. D., Oğuz E., Haspolat E., Melek A. B., Deveci M.

10.Kıyı Mühendisliği Sempozyumu, İzmir, Turkey, 16 - 17 November 2023, pp.324-336

**II. WindPRO YAZILIMI İLE İĞNEADA-KIYIKÖY BÖLGESİNİN RÜZGÂR ENERJİSİ POTANSİYELİNİN DEĞERLENDİRİLMESİ**

Öztürk E. A., ERDOĞAN M., ŞENTÜRK B. U., OĞUZ E.

10. Kıyı Mühendisliği Sempozyumu, İzmir, 16-17 Kasım, 2023, İzmir, Turkey, 16 November 2023, pp.367-378

**III. A Review on Conceptual Design of Support Structures For Floating Solar Power Plants**

Markieh H. P., Khaleghi Hendukhale A., Khorasanchi M., Oğuz E.

7th Offshore Energy and Storage Symposium (OSES 2023), 12-14 July 2023, Malta, San-Gwann, Malta, 12 - 14 July 2023, pp.1-8

**IV. Dynamic response of three floating wind turbine platform concepts**

Yıldırım B., Oğuz E.

The 4th Wind Energy Science Conference (WESC 2023) in collaboration with European Academy of Wind Energy (EAWC), Glasgow, England, 23 - 26 May 2023, pp.1-10

**V. Coupled aerodynamic and hydrodynamic analyses of upscaled floating offshore wind turbines**

Juanda Putra M., Oğuz E., Sezer Uzol N.

The 19th International Congress of the International Maritime Association of the Mediterranean, IMAM 2022 , İstanbul, Turkey, 26 - 29 September 2022, vol.1, pp.229-236

**VI. A Review of the Hybrid Darrieus-Savonius Turbine for Hydrokinetic Applications**

Maldar N. R., Ng C. Y., OĞUZ E.

Third International Sustainability and Resilience Conference: Climate Change, 15-16 Nov. 2021, Sakheer, Bahrain, Sakheer, Bahrain, 15 - 16 November 2021

**VII. An Overview of Platform Types Used in Floating Wind Energy**

Uzunoglu E., Oğuz E., Guedes Soares C.

2nd International Congress on Ship and Marine Technology, 16-17 September 2021, İstanbul – Turkey, İstanbul, Turkey, 16 - 18 September 2021, pp.1-13

**VIII. Comparison and Evaluation of Open-Source Panel Method Codes against Commercial Codes**

Uçar M., Uzunoglu E., Oğuz E.

2nd International Congress on Ship and Marine Technology, İstanbul, Turkey, 16 - 18 September 2021, pp.1-18

**IX. Comparison of renewables (onshore wind, offshore wind, conventional PV) for Turkey: Bozcaada Island**

ŞENTÜRK A. E., OĞUZ E., ÇİÇEK D. D.

5th International Conference on Maritime Technology and Engineering, MARTECH 2020, Portugal, 16 - 17 November 2020

**X. Comparison of renewables (onshore wind, offshore wind and conventional PV) for Bozcaada Island in Turkey**

Şentürk A. E., Oğuz E., Çiçek D. D.

5th International Conference on Maritime Technology and Engineering (MARTECH 2020), Lisbon, Portugal, 16 - 19 November 2020, pp.232-240

**XI. Life cycle assessment of a Ro-Ro ship for operation phase**

Çiçek D. D., Sağır M. C., Oğuz E.

5th International Conference on Maritime Technology and Engineering (MARTECH 2020), 16 - 19 November 2020, pp.102-110

**XII. Life cycle assessment of two different renewable energy systems for a selected region: Bozcaada island**

Şentürk A. E., Oğuz E.

18th International Congress of the International Maritime Association of the Mediterranean, IMAM 2019, Varna, Bulgaria, 9 - 11 September 2019, pp.567-575

**XIII. TEKİL KAZIK TEMELLİ AÇIK DENİZ RÜZGAR TÜRBİNLERİNİN AVRUPA'DAKİ GELİŞİMİ**

Kaya B., OĞUZ E.

5. İzmir Rüzgar Sempozyumu ve Sergisi, İzmir, Turkey, 3 - 05 October 2019, pp.175-196

- XIV. **Life cycle and cost performance analysis on ship structural maintenance strategy of a short route hybrid ferry**  
WANG H., OĞUZ E., JEONG B., ZHOU P.  
MARTECH 2018, 4th International Conference on Maritime Technology and Engineering, Lizbon, Portugal, 7 - 09 May 2018, pp.461-468
- XV. **Numerical Analysis of the Behaviour of Vessels Advancing through Restricted Shallow Waters**  
TEZDOĞAN T., TERZİEV M., OĞUZ E., İNCECİK A.  
3rd International Naval Architecture and Maritime Symposium, İstanbul, Turkey, 24 - 25 April 2018, pp.625-641
- XVI. **A Comparative Study on Design of an Environmentally Friendly RoPax Ferry: Hybrid diesel, Hybrid LNG, Conventional Propulsion System**  
PEDER K. H., OĞUZ E., TEZDOĞAN T.  
3rd International Naval Architecture and Maritime Symposium, İstanbul, Turkey, 24 - 25 April 2018, pp.871-881
- XVII. **Realistic Simulation of Aerodynamic Loading for Model Testing of Floating Wind Turbines**  
DAY A. H., CLELLAND D., OĞUZ E., DAİ S., AZCONA ARMENDARİZ J., FAİSAL B., LÓPEZ J. A., SÁNCHEZ G., ALMERİA G. G.  
The 5th International Conference on Advanced Model Measurement Technology for The Maritime Industry (AMT'17), Glasgow, United Kingdom, 11 October - 13 November 2017, pp.419-432
- XVIII. **Optimisation of Operational Modes of Short-Route Hybrid Ferry: A Life Cycle Assessment Case Study**  
WANG H., OĞUZ E., JEONG B., ZHOU P.  
17th International Congress of the International Maritime Association of the Mediterranean. Maritime Transportation and Harvesting Sea Resources, Lisbon, Portugal, 9 - 11 October 2017, vol.2, pp.961-970
- XIX. **Life cycle and cost assessment on engine selection for an offshore tug vessel**  
OĞUZ E., JEONG B., WANG H., ZHOU P.  
17th International Congress of the International Maritime Association of the Mediterranean (IMAM 2017), Lisbon, Portugal, 9 - 11 October 2017, vol.2, pp.943-951
- XX. **Experimental Study of a TLP Offshore Floating Wind Turbine**  
OĞUZ E., DAY A. H., CLELLAND D., İNCECİK A., DAİ S., LÓPEZ J. A., SÁNCHEZ G.  
International Conference on Maritime Technology, Harbin, China, Harbin, China, 16 - 18 July 2016, pp.292-298
- XXI. **Kuzey Denizi'nde Seçilen Bölge için Germe Ayaklı Rüzgar Türbini Platformu Optimizasyonu Çalışması**  
OĞUZ E., İNCECİK A., KHORASANCHİ M.  
8. Kıyı Mühendisliği Sempozyumu, İstanbul, Turkey, 7 - 09 November 2014, pp.565-576
- XXII. **Feasibility of Installing Offshore Wind Farms In the North Aegean Sea, Turkey**  
OĞUZ E., İNCECİK A.  
Grand Renewable Energy 2014, International Conference and Exhibition, Tokyo, Japan, 27 July - 01 August 2014
- XXIII. **Optimisation of Tension Leg Platform with Wind Turbine for the selected Region in UK**  
OĞUZ E., İNCECİK A., KHORASANCHİ M.  
2nd International Conference on Maritime Technology, Glasgow, United Kingdom, 7 - 09 July 2014
- XXIV. **Açık Deniz Rüzgar Çiftliklerinin Türkiye Denizlerine Uyarlanabilirliği Üzerine bir araştırma**  
OĞUZ E., İNCECİK A.  
9. Ulusal Temiz Enerji Sempozyumu, Konya, Turkey, 25 - 28 December 2013, pp.709-719
- XXV. **Rüzgar Enerjisinin Dünyadaki Gelişimi ve Türkiye'xxdeki Durum Değerlendirmesi**  
OĞUZ E., İNCECİK A.  
9. Ulusal Temiz Enerji Sempozyumu, Konya, Turkey, 25 - 28 December 2013, pp.720-729
- XXVI. **Offshore wind farms: Potential and applicability in the Southern Marmara Region, Turkey**  
OĞUZ E., AKGUL M. A., İNCECİK A.  
15th International Congress of the International Maritime Association of the Mediterranean IMAM 2013 - Developments in Maritime Transportation and Exploitation of Sea Resources, Coruna, Spain, 14 - 17 October 2013, pp.943-949
- XXVII. **Batmamış Sazlıkların Dalga Geçişine Etkisinin Deneysel Araştırılması**  
OĞUZ E., KABDASLI M. S., AKGUL M. A.  
Türkiye Kıyıları 2012, Antakya-Hatay, Turkey, 14 - 17 November 2012, vol.2, pp.1029-1036

- XXVIII. **Wave - Induced Suspended Sediment Flux Degradation due to Emergent Vegetation**  
KOROGLU A., ELGİNOZ N., OĞUZ E., KABDASLI M. S.  
The Twenty-second (2012) International OFFSHORE AND POLAR ENGINEERING CONFERENCE, Rodos, Greece, 17 - 22 June 2012, vol.3, pp.1459-1463
- XXIX. **EFFECTS OF EMERGENT VEGETATION ON SEDIMENT SUSPENSION AND DEPOSITION UNDER WAVE CONDITIONS**  
Elginöz N., Koroglu A., OĞUZ E., Kabdasli M. S.  
16th International Symposium on Environmental Pollution and its impact on life in the Mediterranean Region, Ioannina, Greece, 24 - 27 September 2011
- XXX. **Farklı Akaryakıt Çeşitlerinin Aynı Hidrodinamik Yapı Altında Yayılımının Araştırılması**  
KABDASLI M. S., KAÇMAZ S. E., OĞUZ E., BAŞ B.  
Türkiye Kıyıları 2010, Trabzon, Turkey, 27 April - 01 May 2010, vol.3, pp.1419-1428
- XXXI. **An experimental study on geotextile usage for protection of scour under submarine pipelines**  
BAĞCI T., ELGİNOZ N., BAŞ B., OĞUZ E., AKGUL M. A., YÜCE A., KABDASLI M. S.  
13th Congress of the International Maritime Association of the Mediterranean, IMAM 2009, İstanbul, Turkey, 12 - 15 October 2009
- XXXII. **Derelerdeki susuzluğun Kıyılarda Yol açtığı Problemlerin incelenmesi**  
KABDASLI M. S., KAÇMAZ S. E., YILMAZER D., OĞUZ E.  
Türkiye'nin Kıyı ve Deniz Alanları 7. Ulusal Kongresi, Ankara, Turkey, 27 - 30 May 2008

## Supported Projects

- Micallef A., Oğuz E., TÜBİTAK - AB COST Project, Offshore freshened groundwater: An unconventional water resource in coastal regions? (OFF-SOURCE), 2022 - 2026
- Oğuz E., Project Supported by Higher Education Institutions, Düşük hızlarda verimli çalışan hidrokinetik türbin tasarımı, 2022 - 2024
- Huvaj Sarihan N., Turan R., Oğuz E., Osman A., Seaid M., Newton Programme Project, FLOATING HYBRID RENEWABLE ENERGY SYSTEMS FOR TURKEY (Funded by UK Newton Fund, Institutional Links Grant, TÜBİTAK International Bilateral Joint Cooperation Program, 2021 - 2023), 2021 - 2023
- HUVAJ SARIHAN N., OĞUZ E., TURAN R., Osman A., Seaid M., TÜBİTAK International Bilateral Joint Cooperation Program Project, Floating Hybrid Renewable Energy Systems for Türkiye, 2021 - 2023
- Huvaj Sarihan N., Keysan O., Oğuz E., Guerrero J., Project Supported by Public Organizations in Other Countries, WINDFLAG: OFFSHORE WIND FARMS LARGE-SCALE INTEGRATION IN TURKEY (Funded by DANIDA Fellowship Centre of Ministry of Foreign Affairs of Denmark, Project Coordinator: Aalborg Univ.), 2020 - 2023
- Oğuz E., Bharadwaj (Koordinatör) U., Zhou P., Wang H., Jeong B., H2020 Project, SHIPLYS (Ship life cycle software solutions), 2016 - 2019
- Oğuz E., Day A. H. (., Clelland D., İncecik A., Other International Funding Programs, TLPWIND UK: "DRIVING DOWN THE COST OF OFFSHORE WIND IN UK WATERS, 2014 - 2016
- Oğuz E., Kırca V. Ş. Ö., Kabdaşlı M. S., Baş B., Damgaard Christensen E., FP7 Project, Mermaid : Innovative Multi-purpose offshore platforms: planning, design operation, 2012 - 2016
- Oğuz E., Doule O., Kubicek M., Poulet L., Pultarová T., Koubek F., Other International Funding Programs, Reliability and Redundancy of Extreme Environmental Habitat Structures and Power Systems (RAR Mission) MDRS (Mars Desert Research Station) Project (supported by NASA and Mars Society), 2014 - 2014
- Oğuz E., Kabdaşlı M. S., Bağcı T., İrtem E., Project Supported by Higher Education Institutions, Numerical Modelling and Site Investigation on Water Body Movements in Ayvalık Bay, Turkey, 2009 - 2011
- Oğuz E., Kabdaşlı M. S., Project Supported by Higher Education Institutions, An Experimental Study about the Effect of Emergent Vegetation on Wave Refraction , 2009 - 2010



## Memberships / Tasks in Scientific Organizations

International Ship Structures Committee (ISSC), V.4 Offshore Renewable Energy, Member of Science Committee, 2018 - Continues

## Scientific Refereeing

Technopark, ODTÜ Teknokent, Ar-Ge Projesi, Turkey, December 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Tübitak, Turkey, December 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Tübitak, Turkey, December 2023

Technopark, ODTÜ Teknokent, Ar-Ge Projesi, Turkey, November 2023

Project Supported by Higher Education Institutions, BAP Research Project, Bursa Technical University, Turkey, November 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Tübitak, Turkey, June 2023

Technopark, ODTÜ Teknokent, Ar-Ge Projesi, Turkey, June 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Tübitak, Turkey, June 2023

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, April 2023

Horizon Europe Project, Horizon Europe Project, Middle East Technical University, Turkey, April 2022

Horizon Europe Project, Horizon Europe Project, Middle East Technical University, Turkey, April 2022

Horizon Europe Project, Horizon Europe Project, Middle East Technical University, Turkey, April 2022

Horizon Europe Project, Horizon Europe Project, Middle East Technical University, Turkey, April 2022

Horizon Europe Project, Horizon Europe Project, Middle East Technical University, Turkey, April 2022

Horizon Europe Project, Horizon Europe Project, Middle East Technical University, Turkey, April 2022

Project Supported by Public Organizations in Other Countries, The Royal Society of Edinburgh /Research Grants Scheme, United Kingdom, March 2022

OCEAN ENGINEERING, SCI Journal, February 2022

GEMİ VE DENİZ TEKNOLOJİSİ, National Scientific Refreed Journal, February 2022

OCEAN ENGINEERING, SCI Journal, November 2021

OCEAN ENGINEERING, Other Journals, July 2021

Ocean Engineering, SCI Journal, April 2021

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, March 2021

OCEAN ENGINEERING, SCI Journal, January 2021

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, December 2020

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, November 2020

POLISH MARITIME RESEARCH, SCI Journal, August 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, June 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, June 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, June 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, June 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, June 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, June 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, June 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, May 2020

H2020 Project, RIA Research and Innovation Actions Project, H2020-RES, Belgium, May 2020

ULUDAĞ ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, April 2020  
OCEAN ENGINEERING, SCI Journal, April 2020  
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, SCI Journal, April 2020  
5th International Conference on Maritime Technology and Engineering (MARTECH 2020), Other Indexed Journal, February 2020  
TEKNİK DERGI, National Scientific Refreed Journal, February 2020  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, January 2020  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, January 2020  
OCEAN ENGINEERING, SCI Journal, January 2020  
OCEAN ENGINEERING, SCI Journal, September 2019  
RELIABILITY ENGINEERING & SYSTEM SAFETY, SCI Journal, July 2019  
SHIPS AND OFFSHORE STRUCTURES, SCI Journal, May 2019  
SHIPS AND OFFSHORE STRUCTURES, SCI Journal, April 2019  
SHIPS AND OFFSHORE STRUCTURES, SCI Journal, February 2019  
Technopark, Middle East Technical University, Turkey, January 2019  
TEKNİK DERGI, Journal Indexed in SCI-E, December 2018  
Ships and Offshore Structures, SCI Journal, November 2018  
TEKNİK DERGI, Journal Indexed in SCI-E, November 2018  
Ocean Engineering, SCI Journal, October 2018  
OCEAN ENGINEERING, SCI Journal, September 2018  
OCEAN ENGINEERING, SCI Journal, August 2018  
37th International Conference on Ocean, Offshore, and Arctic Engineering (OMAE2018-ASME: The American Society of Mechanical Engineers), Conference Paper (Full Text), June 2018  
Ocean Engineering, SCI Journal, December 2017  
OCEAN ENGINEERING, SCI Journal, September 2017  
OCEAN ENGINEERING, SCI Journal, July 2017  
OCEAN ENGINEERING, SCI Journal, May 2016  
OCEAN ENGINEERING, SCI Journal, October 2015  
OCEAN ENGINEERING, SCI Journal, September 2014

## Tasks In Event Organizations

Akpınar A., Inan A., Numanoğlu Genç A., Oğuz E., Özyurt Tarakcioğlu G., Baykal C., Arısoy Y., Kabdaşlı M. S., Çokgör Ş., Yüksek Ö., et al., 10th Coastal Engineering Symposium, Member of Scientific Committee, Scientific Congress, İzmir, Turkey, Kasım 2023  
Ergin A., Oğuz E., Yakan Dündar S. D., Köroğlu S. A., Bayındır C., Bayraktarkatal E., Böbür F., The 19th International Congress of International Maritime Association of the Mediterranean, IMAM 2022 Congress, Scientific Congress, İstanbul, Turkey, Eylül 2022  
Oğuz E., Köken M., Aydın I., Bozkuş Z., Akyürek S. Z., Kentel Erdoğan E., Yılmaz M. T., Yücel I., Özyurt Tarakcioğlu G., 14th International Conference on Hydrosience and Engineering (ICHE2022), Bilim Kurulu Üyesi, Scientific Congress, İzmir, Turkey, Mayıs 2022  
Oğuz E., Fiorentino A., Meyer-Bohe A., Žiha K., Kobylinski L., Gammon M. A., Yaakob O., 2nd INTERNATIONAL CONGRESS ON SHIP AND MARINE TECHNOLOGY, "Green and Intelligent Maritime Industry", Scientific Congress, İstanbul, Turkey, Eylül 2021  
Oğuz E., İncecik A., Tezdoğan T., Demirel Y. K., Huvaj N., Workshop on Offshore Wind and Wave Energy for Turkey, Workshop Organization, Ankara, Turkey, Eylül 2017  
Oğuz E., Day S., Clelland D., İncecik A., Workshop on INNOVATE UK Project (TLPWIND UK: Driving the cost down of offshore wind in UK Waters) (for renewable energy industry), Workshop Organization, Glasgow, United Kingdom, Haziran 2016  
Oğuz E., İncecik A., Tezdoğan T., Demirel Y. K., Ergin A., Helvacioğlu İ. H., Dalgıç Y., Joint Workshop on Technologies to

Reduce Risks in Shipping, Workshop Organization, İstanbul, Turkey, Mayıs 2013

Oğuz E., Kabdaşlı S., Chung J. S., Kirca Ö., Elginöz N., Baş B., Bağcı T., Çapanoğlu C., Köroğlu A., The 3rd European Offshore Mechanics Symposium ISOPE-EUROMS, Scientific Congress, İstanbul, Turkey, Haziran 2012

## Scientific Research / Working Group Memberships

Civil Engineering For Sustainable Future (Sürdürülebilir Gelecek İçin İnşaat Mühendisliği), Middle East Technical University, Turkey, <https://avesis.metu.edu.tr/arastirma-grubu/cesustain>, 2021 - Continues

## Mobility Activity

Erasmus Programme, Staff Mobility, Universiti Teknologi Petronas, Malaysia, 2023 - 2023

Erasmus Programme, Staff Mobility, University of Strathclyde, England, 2019 - 2019

## Metrics

Publication: 62

Citation (WoS): 373

Citation (Scopus): 210

H-Index (WoS): 11

H-Index (Scopus): 8

## Congress and Symposium Activities

19th Congress of International Maritime Association of the Mediterranean 26-29 September 2022, Session 1.6 Offshore Renewable Energy, Sustainable Development and Innovations in Marine Technologies, Session Moderator, İstanbul, Turkey, 2022

2nd International Congress on Ship and Marine Technology, 16-17 September 2021, İstanbul – Turkey, Session Moderator, İstanbul, Turkey, 2021

18th Congress of International Maritime Association of the Mediterranean 9-11 September 2019, Session 2.1 Offshore renewable energy & coastal development, Sustainable Development and Innovations in Marine Technologies, Session Moderator, Varna, Bulgaria, 2019

18th Congress of International Maritime Association of the Mediterranean 9-11 September 2019, Session 2.3 Offshore renewable energy, Sustainable Development and Innovations in Marine Technologies, Session Moderator, Varna, Bulgaria, 2019

Workshop on British Embassy-Foreign Commonwealth Office (FCO) Project, Invited Speaker, Ankara, Turkey, 2017

Industrial Doctoral Centre for Offshore Renewable Energy (IDCORE), Edinburgh University, Invited Speaker, Edinburgh, United Kingdom, 2016

## Invited Talks

Session 5: Offshore Wind Academical Studies, Conference, MARENTECH EXPO – 1st Marine Energy Technologies Fair and Conference, Turkey, October 2022

Güney Marmara Denizüstü Rüzgar Enerjisi Online Semineri / Güney Marmara'da Denizüstü Rüzgar Enerjisi için Uygun Yer Seçimi ve Türkiye'de DRES için İhtiyaçlar, Seminar, Güney Marmara Kalkınma Ajansı, Turkey, May 2022

## **Scholarships**

PhD Scholarship, UK (Yurtdışı Doktora Bursu, İngiltere), University, 2013 - 2016

PhD Scholarship, Lloyd's Register, UK , Other International Organizations, 2013 - 2016

Öğretim Üyeleri ve Araştırma Görevlileri Destekleme Programı, University, 2012 - 2013