

## **Asst. Prof. Ahmet YURTSEVEN**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: AAZ-9493-2020

ScopusID: 55921145700

Yoksis Researcher ID: 142975

### **Education Information**

Doctorate, Yildiz Technical University, Fen Bilimleri Estitüsü, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2012 - 2019

Postgraduate, Yildiz Technical University, Gemi İnş. Ve Denizcilik Fak., Gemi İnş. Ve Gemi Mak. Müh. Bölümü, Turkey 2010 - 2012

Undergraduate Double Major, Yildiz Technical University, Gemi İnş. Ve Denizcilik Fak., Gemi İnş. Ve Gemi Mak. Müh. Bölümü, Turkey 2008 - 2010

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği, Turkey 2006 - 2010

### **Research Areas**

Naval Architecture and Marine Engineering, Ship Hydromechanics, Engineering and Technology

### **Academic Titles / Tasks**

Assistant Professor, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2021 - Continues

Research Assistant, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, 2011 - 2021

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

- I. **The numerical investigation of spindle torque for a controllable pitch propeller in feathering maneuver**  
Yurtseven A., Aktay K.  
BRODOGRADNJA, vol.74, pp.95-108, 2023 (SCI-Expanded)
- II. **Numerical investigation of marine propeller underwater radiated noise using acoustic analogy Part 2: The influence of eddy viscosity turbulence models**  
Sezen S., Çoşgun T., Yurtseven A., Atlar M.  
Ocean Engineering, vol.220, 2021 (SCI-Expanded)

- III. **Numerical investigation of marine propeller Underwater Radiated Noise using acoustic analogy part 1: The influence of grid resolution**  
Sezen S., Çoşgun T., Yurtseven A., Atlar M.  
Ocean Engineering, vol.220, 2021 (SCI-Expanded)
- IV. **NUMERICAL AND EXPERIMENTAL CALCULATION OF ROLL AMPLITUDE EFFECT ON ROLL DAMPING**  
YILDIZ B., ŞENER B., YURTSEVEN A., Katayama T.  
BRODOGRADNJA, vol.70, no.2, pp.1-15, 2019 (SCI-Expanded)
- V. **Modified pid control design for roll fin actuator of nonlinear modelling of the fishing boat**  
Alarçin F., Demirel H., Su M. E., Yurtseven A.  
POLISH MARITIME RESEARCH, vol.21, pp.3-8, 2014 (SCI-Expanded)
- VI. **Conventional PID and Modified PID Controller Design for Roll Fin Electro-Hydraulic Actuator**  
ALARÇIN F., Demirel H., Su M., Yurtseven A.  
ACTA POLYTECHNICA HUNGARICA, vol.11, no.3, pp.233-248, 2014 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Numerical Investigation into the Effect of Duct Use on the Performance of Controllable Pitch Propellers**  
YURTSEVEN A.  
Seafic Journal, 2023 (Peer-Reviewed Journal)
- II. **NUMERICAL INVESTIGATION OF THE HYDRODYNAMIC PERFORMANCE OF A PROPELLER CONVERTED FROM FPP TO CPP**  
Yurtseven A.  
Journal of Naval Sciences and Engineering, vol.19, no.2, pp.113-132, 2023 (Peer-Reviewed Journal)
- III. **Isı Transfer Silindirlerinde Halka Akış Kanalı Geometrisinin Isıl Performansa Etkisinin Sayısal Olarak İncelenmesi**  
YURTSEVEN A.  
Avrupa Bilim ve Teknoloji Dergisi, vol.0, pp.552-562, 2021 (Peer-Reviewed Journal)
- IV. **SHIPPING EMISSION DISPERSIONS ON THE PORT OF AMBARLI VIA CFD MODELLING**  
Ünlügençoğlu K., Yurtseven A., Alarçin F.  
JOURNAL OF THERMAL ENGINEERING, vol.6, pp.1-14, 2020 (ESCI)
- V. **The Influence of Bottom Geometry on Turbulent Flow Field in a Lid-Driven Cavity**  
Yurtseven A., Çoşgun T., Vardar N.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.22, no.3, pp.531-543, 2019 (ESCI)
- VI. **THE NUMERICAL INVESTIGATION OF HIGH SPEED TRAIN-TUNNEL INTERACTION AT ENTRANCE AND EXIT**  
Yurtseven A., Çoşgun T., Vardar N.  
International Scientific Journal Trans Motauto World, vol.3, no.3, pp.135-137, 2018 (Peer-Reviewed Journal)
- VII. **A NUMERICAL INVESTIGATION OF THE FLOW IN WATER JET NOZULES**  
Bilir A. Ç., Doğrul A., Çoşgun T., Yurtseven A., Vardar N.  
JOURNAL OF THERMAL ENGINEERING, vol.2, no.5, pp.907-912, 2016 (ESCI)
- VIII. **UTILIZATION OF SHIPBOARD AS A HEAT EXCHANGER IN SHIPCENTRAL COOLING SYSTEM A NUMERICAL ANALYSIS**  
YURTSEVEN A., ÜST Y., ŞENER B., KINACI Ö. K.  
Sigma Journal of Engineering and Natural Sciences, 2016 (ESCI)
- IX. **THE PERFORMANCE ASSESSMENT OF FUEL CELL TECHNOLOGY IN RESIDENTIAL APPLICATION**  
KURULAR S., GÜLBAHÇE M., SEVİNDİR M. K., YURTSEVEN A.  
The REHVA European HVAC Journal, vol.51, 2014 (Non Peer-Reviewed Journal)
- X. **MULTI ZONES HVAC SYSTEMS' CONTROL IN SHIPS WITH SIMULINK APPLICATION**  
KOÇAL T., MUĞAN A., YURTSEVEN A.

## Refereed Congress / Symposium Publications in Proceedings

- I. **YELKENLİ TEKNELERDE YALPA ÖNLEME İÇİN HAREKETLİ SALMA EKLENTİSİNİN SAYISAL OLARAK İNCELENMESİ**  
YURTSEVEN A.  
11. Uluslararası Akademik Araştırmalar Kongresi (ICAR), Turkey, 25 - 26 July 2023
- II. **ÇOK BİLEŞENLİ BİR AKIŞTA ÇIKINTILI YAPILARIN AKIŞKAN SEPERASYONUNDAKİ ETKİSİNİN SAYISAL OLARAK İNCELENMESİ**  
Yurtseven A., Baştürk U.  
II-International Conference on Global Practice of Multidisciplinary Scientific Studies, Batumi, Georgia, 26 - 28 July 2022, pp.746-753
- III. **CFD ANALYSIS OF SINGLE MODULE DESIGN FOR FLOATING SOLAR POWER PLANTS**  
Kepekci H., Yurtseven A., Barbak L.  
14th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Sivas, Turkey, 18 - 19 July 2022, vol.14, no.1, pp.619-627
- IV. **The Numerical Hydrodynamic Investigation of Different Maneuver of a Controllable Pitch Propeller**  
YURTSEVEN A., AKTAY K.  
2 ndInternational Congress of Engineering and Natural Sciences Studies, Turkey, 07 May 2022
- V. **Investigation of near-field temperature distribution in buried dense phase CO2 pipelines**  
Olugunwa B., Race J., YURTSEVEN A., Tezdogan T.  
2021 40th International Conference on Ocean, Offshore and Arctic Engineering, OMAE 2021, Virtual, Online, 21 - 30 June 2021, vol.4
- VI. **URANS SIMULATIONS OF FREE SURFACE PIERCING NACA 0024 HYDROFOIL**  
rıza kaan g., ÇOŞGUN T., uğur c., YURTSEVEN A., VARDAR N.  
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 17 - 19 December 2019
- VII. **TÜRBÜLANSLI HALKASAL AKIMLARDA İÇ SİLİNDİR DÖNÜŞÜNÜN ETKİLERİ**  
ÇOŞGUN T., YURTSEVEN A., VARDAR N.  
ULIBTK'19 22th Congress of Thermal Sciences and Technology, 11 - 14 September 2019
- VIII. **Yüzey Üzerine Eklenen Çıktıntıların Isı Transferi Performansına Etkisinin Sayısal Olarak İncelenmesi /**  
YURTSEVEN A., ÇOŞGUN T., VARDAR N.  
ULIBTK'19 22th Congress of Thermal Sciences and Technology, 11 - 14 September 2019
- IX. **A CFD STUDY OF SEPARATING REATTACHING FLOWS**  
ÇOŞGUN T., YURTSEVEN A., VARDAR N.  
ICETI International Conference on Engineering Technology and Innovation, Budapeşte, Hungary, 07 March 2018, pp.97
- X. **EFFECT OF RIBBED SURFACE ON HEAT TRANSFER ON TURBULENT FLOW OVER A FLAT PLATE**  
YURTSEVEN A., ÇOŞGUN T., VARDAR N.  
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 December 2017, pp.1
- XI. **Ground effect or grounding: Which happens when?**  
knacı ö. k., ÇOŞGUN T., YURTSEVEN A., VARDAR N.  
17th International Congress of the International Maritime Association of the Mediterranean, Lisboa, Portugal, 09 October 2017, pp.1
- XII. **Effect of Sea Water Usage in Marine Lubrication Applications**  
ÇOŞGUN T., YURTSEVEN A., VARDAR N.  
BALKANTRIB17 9th International CONFERENCE ON TRIBOLOGY, Nevşehir, Turkey, 13 September 2017, pp.312-319

- XIII. **KAPALI MEKANLARDA HAVALANDIRMA VE KİRLETİCİ GAZ TAHLİYESİNİN KISMİ KAPAK ETKİLİ HÜCRE AKIŞI MODELİYLE SAYISAL ANALİZ**  
YURTSEVEN A., ÇOŞGUN T., VARDAR N.  
XX. ULUSAL MEKANİK KONGRESİ, Bursa, Turkey, 05 September 2017, pp.2
- XIV. **3-B TAYLOR-COUETTE-POISEUILLE AKIŞLARINDA DOĞRUSAL AKIM ETKİSİNİN NÜMERİK MODELLENMESİ**  
ÇOŞGUN T., YURTSEVEN A., VARDAR N.  
XX. ULUSAL MEKANİK KONGRESİ, Bursa, Turkey, 05 September 2017, pp.1
- XV. **SAYISAL AKIŞKANLAR DİNAMİĞİNDE YÜKSEK BAŞARIMLIHESAPLAMA 3 BOYUTLU KAPAK ETKİLİ HÜCRE İÇİ AKIŞI**  
YURTSEVEN A., ÇOŞGUN T., VARDAR N.  
1st International Congress on Ship and Marine Technology, 8 - 09 December 2016
- XVI. **Kapak etkili hücre içindeki akışta yüzey yapısı etkisinin 3 boyutlu sayısal analizi**  
YURTSEVEN A., ÇOŞGUN T., VARDAR N.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 October 2016, pp.4452-4458
- XVII. **Effect of Vortex Shedding and Free Surface Interaction on Roll Damping Due to Large Amplitude Roll Motion**  
YILDIZ B., YURTSEVEN A., KATAYAMA T.  
15th International Ship Stability Workshop, 13 - 15 June 2016
- XVIII. **UNCERTAINTY ANALYSIS IN COMPUTATIONAL FLUID DYNAMICS PROBLEMS**  
ÇOŞGUN T., YURTSEVEN A., VARDAR N.  
CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016 – ICAME2016, 11 - 13 May 2016
- XIX. **SIMULATION OF FLOW AROUND FOUR CYLINDERS ARRANGED IN SQUARE CONFIGURATION WITH RANS TURBULANCE MODEL**  
YILDIRIM A., VARDAR N., YILDIZ S., YURTSEVEN A.  
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 13 - 15 May 2015
- XX. **A RANS Based Numerical Study of Turbulent Flows in Rotating Annular Channels**  
Çoşgun T., Yurtseven A., Doğrul A., Vardar N.  
International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 13 - 15 May 2015, pp.1-4
- XXI. **The Underhood Thermal Management and Cooling Drag Effects of an Active Grille Shutter Prototype for Light Duty Vehicle under Simulated and Real Test Environments 23 25 June 2014 Bordeaux France**  
Erdoğan K., Ergenç A. T., Yılmaz Ş., Çırık U., Altın A., Sevindir M. K., Yurtseven A.  
First Int. Conf. in Numerical and Experimental Aerodynamics of Road Vehicles and Trains., Bordeaux, France, 23 - 25 June 2014
- XXII. **Rüzgar Çiftliklerinde Türbin Yerleşimlerinin Konstrüksiyon ve İnşaya Etkisi**  
YURTSEVEN A., GENÇ C.  
7.Uluslararası İleri Teknolojiler Sempozyumu., İstanbul, Turkey, 01 November 2013, pp.1-2
- XXIII. **Determination of two-phase flow void fraction of r600a in a horizontal smooth tube**  
AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö., YURTSEVEN A., DALKILIÇ A. S., WONGWISES S.  
ASME 2012 International Mechanical Engineering Congress and Exposition, IMECE 2012, Houston, TX, United States Of America, 9 - 15 November 2012, vol.7, pp.2547-2561
- XXIV. **Comparison of Marine and Land Transportation Emissions: Turkey Study**  
Çoşgun T., Kökkülünk G., Yurtseven A., İnce S. T., Kalyoncu İ., Çelebi U. B.  
The 1st International Symposium on Naval Arch. and Maritime, İstanbul, Turkey, 24 - 25 October 2011, pp.137-146

## Supported Projects

Yurtseven A., Other International Funding Programs, Deniz Kirliliğinin Dinamik İzlenmesi İçin Özel ve Entegre Çoklu

Sensör Teknolojisine Sahip Otonom Ağ Sistemi Geliştirilmesi, 2022 - 2025

Yurtseven A., Other International Funding Programs, Empowering Adult Centers in the Labor Market Reintegration of Recently Disabled Adults, 2022 - 2025

YURTSEVEN A., AKTAY K., Project Supported by Higher Education Institutions, Kontrol Edilebilir Hatveli Bir Pervane için Farklı Hatve Geçişlerindeki Hidrodinamik Davranışının Sayısal Olarak İncelenmesi, 2021 - 2023

YURTSEVEN A., BAŞTÜRK U., Project Supported by Higher Education Institutions, Çok Bileşenli Bir Akışta Çıkıntılı Yapıların Akışkan Seperasyonundaki Etkisinin Sayısal Olarak İncelenmesi, 2021 - 2023

Yurtseven A., Technopark, Karasal Güneş Enerji Santrali (GES) Sistemi'ne entegre Güneş Takip Sistemi(GTS) tasarımı ve sistemin Aerodinamik Performansının Araştırılması, 2022 - 2022

Yurtseven A., Technopark, Yüzer Güneş Enerji Santrali (GES) Sistemi'ne entegre Güneş Takip Sistemi(GTS) tasarımı ve sistemin Aero-Hidrodinamik Performansının Araştırılması, 2021 - 2022

Avcı A. G., Şener B., Yurtseven A., Koçal T., Technopark, 85 M Petrol Tankerinin Hidrodinamik Analizleri, 2021 - 2021

Yurtseven A., Can U., Technopark, Yüzer Güneş Enerji Santrali (GES) Aero - Hidrodinamik Performans Araştırması, 2021 - 2021

Vardar N., Yurtseven A., Company, Efem Çukuru Altın Madeni Pnömatik Hat Optimizasyonu , 2018 - 2018

Yurtseven A., Project Supported by Higher Education Institutions, Yeni Tip Milli Savaş Gemisi Konsepti ve Form Serisi Tasarımı, 2013 - 2017

Yurtseven A., Project Supported by Other Private Institutions, LOJİSTİK DESTEK GEMİLERİ LDG GEMİ FORMU VE TAKINTILARI İÇİN HİDRODİNAMİKLER ANALİZLER, 2015 - 2015

ERGENÇ A. T., YURTSEVEN A., Industrial Thesis Project, Önden Motorlu Araçlarda Aktif Grill Kapatma Sistemleri Geliştirilmesi, 2013 - 2014

## Metrics

Publication: 40

Citation (WoS): 29

Citation (Scopus): 86

H-Index (WoS): 4

H-Index (Scopus): 5