

Asst. Prof. Kaan ÜNLÜGENÇOĞLU

Personal Information

Office Phone: [+90 212 383 2030](tel:+902123832030)

Email: kunlu@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/kunlu>

Education Information

Doctorate, Yıldız Teknik Üniversitesi, Naval Architecture and Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2012 - 2018

Post Graduate, Yıldız Teknik Üniversitesi, Naval Architecture and Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2009 - 2012

Under Graduate, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2002 - 2007

Certificates, Courses and Trainings

Vocational Training, Denizde Güvenlik Eğiticileri Eğitimi, İstanbul Teknik Üniversitesi, 2016

Vocational Training, Türkiye'de Denizcilik Eğitimi ve Öğretiminin Geliştirilmesi Konulu İleri Yangınla Mücadele Eğitimi, İstanbul Teknik Üniversitesi, 2013

Occupational Health and Safety, C Sınıfı İş Güvenliği Uzmanlığı Eğitimi Programı, Yıldız Teknik Üniversitesi, 2013

Vocational Training, TRANSAS ERS 4000 Simülör Kullanıcı Eğitimi, Dokuz Eylül Üniversitesi, 2011

Vocational Training, TRANSAS NTPRO 5000 Simülör Kullanıcı Eğitimi, Dokuz Eylül Üniversitesi, 2011

Quality Management, Denizcilik Eğitimi veren Kurum/Kuruluşların STCW Sözleşmenin I/8 kuralı gereği Sürekli İzlenmesine ve Değerlendirilmesine Yönelik Kalite Standartları Denetçi Eğitimi , MINISTRY OF TRANSPORT, MARITIME AND COMMUNICATIONS, 2010

Dissertations

Doctorate, Gemi kaynaklı emisyonların farklı yöntemlerle incelenmesi, Yıldız Technical University, Graduate School of Natural and Applied Sciences, 2018

Post Graduate, Gemi ana makinesi yardımcı sistemlerine yönelik simülör algoritmasının geliştirilmesi ve uygulanması, Yıldız Technical University, Graduate School of Natural and Applied Sciences, 2012

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Yıldız Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2020 - Continues

Lecturer PhD, Yıldız Technical University, Naval Architecture And Maritime Faculty, Department Of Marine Engineering Operations, 2018 - 2020

Expert, Yıldız Technical University, Naval Architecture and Maritime Faculty, 2009 - 2018

Professional Experience

Rector's Advisor, Yıldız Technical University, Rectorate, 2020 - Continues
Deputy Director of Continuing Education Center, Yıldız Technical University, Rectorate, 2019 - Continues
Denizcilik Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Yıldız Technical University, Naval Architecture and Maritime Faculty, 2019 - Continues
Rector's Advisor, Yıldız Technical University, Rectorate, 2017 - 2020
Rektörlük Kalite Sorumlusu, Yıldız Technical University, Rectorate, 2016 - 2019
Head of Department, Yıldız Technical University, Rectorate, 2016 - 2019
Yönetim Kurulu Üyesi, CHAMBER OF NAVAL ARCHITECTS AND MARITIME ENGINEERS, 2016 - 2018
Fakülte IMO Kalite Koordinatörü, Yıldız Technical University, Naval Architecture And Maritime Faculty, 2015 - 2018

Courses

Safety and Security at Sea 2, Under Graduate, 2019 - 2020
Maritime Rules & Regulations, Under Graduate, 2018 - 2019, 2019 - 2020
Maritime Safety III, Under Graduate, 2017 - 2018, 2018 - 2019, 2019 - 2020
Marine Auxiliary Machinery I, Under Graduate, 2018 - 2019
Basic Sailing Training, Under Graduate, 2018 - 2019, 2019 - 2020
Ship Emissions, Under Graduate, 2019 - 2020
Maritime Safety I, Under Graduate, 2017 - 2018, 2018 - 2019, 2019 - 2020
Introduction to Marine Engineering, Under Graduate, 2017 - 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Assessment of shipping emission factors through monitoring and modelling studies**
EKMEKÇİOĞLU A., KUZU S. L. , ÜNLÜGENÇOĞLU K., ÇELEBİ U. B.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.743, pp.140742, 2020 (Journal Indexed in SCI)
- **The Assessment of Air Quality in the Port of Ambarlı and Several Districts of Istanbul**
Ünlügençoğlu K., Alarçin F.
International Journal of Global Warming, vol.20, pp.80-91, 2020 (Journal Indexed in SCI)
- **Estimation of shipping emissions via novel developed data collecting and calculation software: a case study for the Region of Ambarlı Port**
ÜNLÜGENÇOĞLU K., KÖKKÜLÜNK G., ALARÇIN F.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.19, pp.293-307, 2019 (Journal Indexed in SCI)
- **Effects of Fuel Contamination to Marine Lubricant on Friction Behaviors between Piston Ring and Cylinder Liner**
Aydın Z., Savaş Ö., Parlak A., Keskin I., Ünlügençoğlu K.
ACTA PHYSICA POLONICA A, vol.129, pp.617-620, 2016 (Journal Indexed in SCI)
- **APPLICATION OF FUZZY ANALYTIC HIERARCHY PROSES FOR ERROR DETECTION OF AUXILIARY SYSTEMS OF SHIP MAIN DIESEL ENGINES**
Demirel H., Ünlügençoğlu K., Alarçin F., Balin A.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.157, pp.105-111, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Shipping Emission Dispersions on the Port of Ambarlı via CFD Modelling**
Ünlügençoğlu K., Yurtseven A., Alarçin F.
Journal of Thermal Engineering, vol.6, no.2, pp.1-14, 2020 (Journal Indexed in ESCI)
- **SHIP EMISSION ESTIMATION FOR IZMIR AND MERSIN INTERNATIONAL PORTS - TURKEY**
EKMEKÇİOĞLU A., ÜNLÜGENÇOĞLU K., ÇELEBİ U. B.
JOURNAL OF THERMAL ENGINEERING, vol.5, pp.184-195, 2019 (Journal Indexed in ESCI)
- **MODELING, SIMULATION AND ANALYSIS OF A NONLINEAR HALF MODEL SHIP MAIN ENGINE SYSTEM**

USING BOND GRAPH MODELING APPROACH

Demirel H., Ünlügençoğlu K., Su M. E. , Elçiçek H., Alarçin F.

International Journal of Advances in Science Engineering and Technology, vol.4, pp.76-80, 2016 (Refereed Journals of Other Institutions)

- **Development and Application of Simulator Algorithm in Accordance With Ship Main Engine Auxiliary Systems**

ÜNLÜGENÇOĞLU K., Alarçin F.

Journal of Maritime Transport and Engineering, vol.2, pp.61-73, 2013 (Refereed Journals of Other Institutions)

- **ENGINE ROOM SIMULATOR AND IMPORTANCE OF APPLIED MARITIME EDUCATION**

Ünlügençoğlu K., Yıldız B., Turan E.

TOJSAT : The Online Journal of Science and Technology, vol.1, pp.10-16, 2011 (Refereed Journals of Other Institutions)

- **WELDING TECHNOLOGIES IN SHIPBUILDING INDUSTRY**

Turan E., Koçal T., Ünlügençoğlu K.

TOJSAT : The Online Journal of Science and Technology , vol.1, pp.24-30, 2011 (Refereed Journals of Other Institutions)

- **Resistance prediction of a high speed craft by using CFD**

SADIK Ö., ŞENER B., ÜNLÜGENÇOĞLU K.

Annual Scientific Journal of Ovidius University, vol.1, pp.305-308, 2010 (Refereed Journals of Other Institutions)

- **Quality Management in the Shipbuilding Sector**

Ünlügençoğlu K., Özüm S., Göksoy S. H.

Ovidius University Annual Scientific Journal Mechanical Engineering Series, vol.12, no.1, pp.1-5, 2010 (Refereed Journals of Other Institutions)

Books & Book Chapters

- **Effective Ship Ballast Water Treatment System Management**

BİLGİLİ L., ÜNLÜGENÇOĞLU K., ÇELEBİ U. B.

in: Causes Impacts and Solutions to Global Warming, Dinçer, İ., Çolpan, Ö.C., Kadioğlu, F., Editor, Springer-Verlag , New York, pp.975-984, 2013

Refereed Congress / Symposium Publications in Proceedings

- **Estimation of Shipping Emissions; a case study for the Region of Haydarpaşa Port in Istanbul**

Avcı M., Koçal T., Ünlügençoğlu K.

4th International Energy & Engineering Congress, Gaziantep, Turkey, 24 - 25 October 2019, pp.1101-1102

- **AMBARLI LİMANI HAVA KALİTESİNİN AVRUPA VE TÜRKİYE SINIRDEĞERLERİ AÇISINDAN DEĞERLENDİRİLMESİ**

ÜNLÜGENÇOĞLU K., KÖKKÜLÜNK G., ALARÇİN F.

TRANSİST İstanbul Ulaşım Kongresi, 8 - 10 November 2018

- **Risk-Based Ship Waste and Emission Management System**

Bilgili L., Yılmaz Ş. K. , Ünlügençoğlu K., Mert T., Çelebi U. B. , Ekinci S., Azizler Y. Y.

19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Rome, Italy, 4 - 06 October 2017, pp.345

- **ÇANAKKALE VE İSTANBUL BOĞAZLARI'NDAN GEÇEN TÜRK BAYRAKLI KİMYASAL TANKERLERİN EMİSYON ÖLÇÜMÜ**

Kocaman Y., Bilgili L., Çelebi U. B. , Ünlügençoğlu K.

1st International Congress on Ship and Marine Technology Green Technologies, İstanbul, Turkey, 8 - 09 December 2016, pp.811-814

- **Developments in Fuels and Emission Control Systems According to Marpol Annex VI on Ships**

Ünlügençoğlu K., Parlak A.

ISAET and IAASST 2015 International Conference, Dubai, United Arab Emirates, 20 - 21 May 2015, pp.1

- **Corrosion Behaviors of AIB2 Al Metal Matrix Composites**
SAVAŞ Ö., AYDIN Z., ÜNLÜGENÇOĞLU K., KAYIKCI R.
5th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS2015), 16 - 19 April 2015
- **Life Cycle Assessment Model Establishment for Ships**
Bilgili L., Ünlügençoğlu K., Çelebi U. B.
2nd international symposium INT-NAM 2014, İstanbul, Turkey, 23 - 24 October 2014, pp.1-6
- **An Investigation on Effective Ballast Water Treatment System Management to Prevent Marine Pollution Caused by Shipping**
Bilgili L., Ünlügençoğlu K., Çelebi U. B.
Global Conference on Global Warming, İstanbul, Turkey, 8 - 12 July 2012
- **Yıldız Technical University Marine Engineering Operations Department and Its Position in Maritime Education of Turkey**
Ünlügençoğlu K., Yıldız B., Koçal T.
International Conference on New Horizons in Education-2010 (INTE 2010), Famagusta, Turkish Republic of Northern Cyprus, June 23-25, 2010, Gazimagusa, Cyprus (Kktc), 23 - 25 June 2010, pp.950-956
- **Mechatronics Engineering Education and Its Importance of Turkey**
Koçal T., Yıldız B., Ünlügençoğlu K.
International Conference on New Horizons in Education-2010 (INTE 2010), Famagusta, Turkish Republic of Northern Cyprus, June 23-25, 2010, Gazimagusa, Cyprus (Kktc), 23 - 25 June 2010, pp.532-536

Supported Projects

Savaş Ö., Ünlügençoğlu K., Aydın Z., Kökkülünk G., Project Supported by Higher Education Institutions, Deniz taşıtlarında kullanılan farklı yağların segman silindir çifti yüzeylerindeki tribolojik özelliklerine etki eden parametrelerin incelenmesi, 2013 - 2016

Üst Y., Yurtseven A., Şener B., Ünlügençoğlu K., Project Supported by Higher Education Institutions, Gemilerde Dömen Donanımının Isı Değiştirici Olarak Kullanılmasına Yönelik Dömen Tasarımı Ve Optimizasyonu, 2011 - 2013

Citations

Total Citations (WOS):10

h-index (WOS):2