Asst. Prof. Süleyman Osmanlı



Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAG-2185-2022
ScopusID: 3754991
Yoksis Researcher ID: 17312

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2017 - 2021
Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Yl) (Tezli), Turkey 2014 - 2016
Undergraduate, Cukurova University, Mühendislik Fakültesi, Makina Müh., Turkey 2005 - 2011

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, INVESTIGATION OF EFFICIENCY IMPROVEMENT METHODS IN H - DARRIEUS VERTICAL AXIS WIND TURBINE, Erciyes University, Fen Bilimleri Enstitüsü, 2021
Postgraduate, Silindir Arkasına Eklenen Esnek Parçanın Akış Karakterisliklerine Etkisi, Van Yüzüncü Yil University, Mühendislik - Mimarlık Fakültesi, Makine Mühendisliği, 2016

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2022 - Continues
Research Assistant PhD, Van Yüzüncü Yil University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2021 - 2022
Research Assistant, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Abd, 2017 - 2021
Research Assistant, Van Yüzüncü Yil University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2013 - 2017

Courses

Gas Turbines, Undergraduate, 2022 - 2023
Laboratory, Undergraduate, 2022 - 2023
Graduation Thesis, Undergraduate, 2022 - 2023
Yenilebilir Enerji Kaynakları, Undergraduate, 2021 - 2022
Aerodynamics, Doctorate, 2022 - 2023
Aerodynamics, Postgraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Investigation of S1046 profile bladed vertical axis wind turbine and artificial intelligence-based performance evaluation**
Osmanli S., AKANSU S. O., AZGINOĞLU N., Akansu Y. E., DEVELİ İ.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.45, no.3, pp.8771-8790, 2023 (SCI-Expanded)

II. **Structure estimation of vertical axis wind turbine using artificial neural network**
TEKŞİN S., Azginoglu N., AKANSU S. O.
Alexandria Engineering Journal, vol.61, no.1, pp.305-314, 2022 (SCI-Expanded)

III. **Control of flow structures around a cylinder in deep water employing a passive control element**
Yayla S., Tekşin S., ŞAHİN B.
FLUID DYNAMICS RESEARCH, vol.51, no.5, 2019 (SCI-Expanded)

IV. **Flow measurement around a cylindrical body by attaching flexible plate: A PIV approach**
Yayla S., Tekşin S.
FLOW MEASUREMENT AND INSTRUMENTATION, vol.62, pp.56-65, 2018 (SCI-Expanded)

V. **Effects of flexible plate attached to the rear of the cylinder on flow structure**
Tekşin S., Yayla S.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, no.3, pp.1195-1201, 2017 (SCI-Expanded)

VI. **Effects of Flexible Splitter Plate in the Wake of a Cylindrical Body**
Tekşin S., Yayla S.
JOURNAL OF APPLIED FLUID MECHANICS, vol.9, no.6, pp.3053-3059, 2016 (SCI-Expanded)

Articles Published in Other Journals

I. **Experimental and Numerical Analysis of Savonius Wind Turbine with End Plate on Various Types**
Akkus M. B., Haksever Z., Teksin S.
Energy, Environment and Storage, vol.2, no.2, pp.54-63, 2022 (Peer-Reviewed Journal)

II. **Performance analysis of Savonius wind turbines in different models**
Şimşek A., Tekşin S., Akansu S. O., Akansu Y. E.
WIND ENGINEERING, vol.46, no.5, pp.1440-1451, 2022 (ESCI)

III. **Investigation of the Solidity Ratio in a Horizontal Wind Turbine**
Tekşin S., Kurt M.
Energy, Environment and Storage Journal, vol.1, no.2, pp.11-16, 2021 (Peer-Reviewed Journal)

IV. **Investigation of Single Slotted Cylinder Placed in a Fin Tube Heat Exchanger Model**
Yayla S., SAHIN B., Önal S., AKILLI H., Tekşin S.
International Journal of Advancements in Mechanical and Aeronautical Engineering– IJAMAE, no.2, pp.81-86, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Esnek Bir Parça Eklenerek Silindir Etrafındaki Akış Yapısının Parçacık Görüntülemeli Hız Ölçme Yöntemiyle İncelenmesi**
Yayla S., Tekşin S.
20. Ulusal Isı Bilimi ve Tekniği Kongresi, Balıkesir, Turkey, 2 - 05 September 2015, pp.172

II. **Investigation of Single Slotted Cylinder Placed in a Fin Tube Heat Exchanger Model**
Yayla S., SAHIN B., AKILLI H., Tekşin S.
Mechanical and Automation Engineering - MAE 2015, Roma, Italy, 18 - 19 May 2015, pp.10-15

III. **Experimental Study of Flow Characteristics for a Cylinder with Respect to Attached Flexible Strip Body of Various Reynolds Number**
Yayla S., Tekşin S.
: ICMAE 2015 : 18th International Conference on Mechanical and Aerospace Engineering, Jeddah, Saudi Arabia, 26 - 27 January 2015, vol.2, no.1, pp.1

IV. **Comparison of Flow Structures in the Downstream Region of a Cylinder with Flexible Strip**
Tekşin S., Yayla S.
9th International Conference on Experimental Fluid Mechanics, Cesky Krumlov, Czech Republic, 18 - 21 November 2014, vol.92

V. **Investigation of Effect of Boundary Layer on Flow Structure Around a Cylinder with a Strip**
Yayla S., Tekşin S.
9th International Conference on Experimental Fluid Mechanics, Cesky Krumlov, Czech Republic, 18 - 21 November 2014, vol.92

VI. **Investigation of Flow Structure Around a Cylinder with a Strip by Effect of Boundary Layer**
Yayla S., Tekşin S.
Experimental Fluid Mechanics 2014, Cesky Krumlov, Czech Republic, 18 - 21 November 2014, vol.92, pp.4

Supported Projects

Tekşin S., Akansu S. O., Project Supported by Higher Education Institutions, Darrieus Dikey Eksenli Rüzgâr Türbininde Verim Artırma Potansiyelinin İncelenmesi, 2019 - 2021
Akansu S. O., Tekin S. A., Develi İ., Akansu Y. E., TUBITAK Project, Dikey Eksenli Türbinlerde İlk Hareket ve Verim Artırma Mekanizması Tasarımı, 2017 - 2019

Scientific Refereeing

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, SCI Journal, December 2021
Journal of engineering technological science, Other Indexed Journal, December 2021
energy, Environment and Storage; An international journal, Other Indexed Journal, October 2021
APPLIED ENERGY, Journal Indexed in SCI-E, October 2021
Journal of Engineering for the Maritime Environment, SCI Journal, November 2016

Metrics

Publication: 16
Citation (WoS): 33
Citation (Scopus): 50
H-Index (WoS): 3

H-Index (Scopus): 4

Non Academic Experience

Boyçelik Metal Sanayii A.Ş