

Res. Asst. ONUR ERKAN

Personal Information

Office Phone: [+90 228 214 1964](tel:+902282141964)

Email: onur.erkan@bilecik.edu.tr

Web: <https://avesis.bilecik.edu.tr/onur.erkan>

International Researcher IDs

ORCID: 0000-0001-7488-8039

Publons / Web Of Science ResearcherID: AAY-3077-2021

Yoksis Researcher ID: 278912

Education Information

Doctorate, Bilecik Seyh Edebali University, Lisansüstü Eğitim Enstitüsü, Makine Mühendisliği (Dr), Turkey 2020 - Continues

Postgraduate, Bilecik Seyh Edebali University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 2018 - 2020

Postgraduate, Bursa Technical University, Institute Of Science, Makine Mühendisliği (YI) (Tezli), Turkey 2017 - 2018

Undergraduate, Pamukkale University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2012 - 2017

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Wind power, Thermodynamics, Heat and Mass Transfer, Computational fluid dynamics

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Flag Fluttering-Triggered Piezoelectric Energy Harvester at Low Wind Speed Conditions**
ÖZKAN M., ERKAN O., BAŞARAN S.
Energy Technology, vol.12, no.4, 2024 (SCI-Expanded)
- II. **Energy Harvesting by V-Shape Bluff Bodies with Various Apical Angles Attached to a Revolute Joint**
ÖZKAN M., BAŞARAN S., ERKAN O.
ENERGY TECHNOLOGY, vol.11, no.10, 2023 (SCI-Expanded)
- III. **Numerical and experimental investigation of the aerodynamic performance of anomalous energy harvester geometries**
ÖZKAN M., ERKAN O., BAŞARAN S., BOLAT F. Ç.
Journal of Physics D: Applied Physics, vol.56, no.2, 2022 (SCI-Expanded)
- IV. **Control of a boundary layer over a wind turbine blade using distributed passive roughness**
ÖZKAN M., ERKAN O.
Renewable Energy, vol.184, pp.421-429, 2022 (SCI-Expanded)
- V. **Investigation of aerodynamic performance characteristics of a wind-turbine-blade profile using the finite-volume method**
ERKAN O., ÖZKAN M., Karakoç T. H., Garrett S. J., Thomas P. J.

Articles Published in Other Journals

- I. **S809 Kanat Profili Etrafındaki Sınır Tabaka Akışının Emme Tekniği ile Aktif Kontrolünün Sayısal İncelenmesi**
ÇANKAYA G., ERKAN O., ÖZKAN M.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.7, no.1, pp.461-472, 2020 (Peer-Reviewed Journal)
- II. **Investigation of the Flow Over NACA 63-415 Airfoil**
ERKAN O., ÖZKAN M.
Black Sea Journal of Engineering and Science, vol.3, no.2, pp.50-56, 2020 (Peer-Reviewed Journal)
- III. **Mini Kanal İle Fotovoltaik Hücre Soğutma**
ERKAN O., ÖZKAN M., ARSLAN O.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.2, no.2, pp.34-38, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Recent Advances in Improving the Aerodynamic Performance of Wind Turbines**
ERKAN O.
in: New Trends in Engineering Sciences, Kılıç Birol, Başıyigit Kılıç Gülden, Editor, Duvar Publishing, İzmir, pp.467-484, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Aerodynamic Shape Optimization of Propeller Blades Using Reynolds-Averaged Navier Stokes Model**
ÖNDER F., ERKAN O., ÖZKAN M.
7. ULUSLARARASI ZEUGMA BİLİMSEL ARAŞTIRMALAR KONGRESİ, Gaziantep, Turkey, 21 - 23 January 2022, vol.1, pp.359-368
- II. **Düşük türbülans şiddetine sahip açık çevrim bir rüzgar tüneli tasarımı ve imalatı**
Uçar R., ERKAN O., BAŞARAN S., ÖZKAN M.
MAS 15th INTERNATIONAL European Conference On Mathematics, Engineering, Natural & Medical Sciences, Adana, Turkey, 7 - 08 September 2021
- III. **Design and Fabrication of an Open Loop Wind Tunnel With Low Turbulence Intensity**
Uçar R., ERKAN O., BAŞARAN S., ÖZKAN M.
MAS 15th International European Conference On Mathematics, Engineering, Natural and Medical Sciences, Adana, Turkey, 7 - 08 September 2021, vol.1, pp.81-89
- IV. **Rotor-Stator Akış Konfigürasyonunda Sınır Tabaka Oluşumu**
ERKAN O., ÖZKAN M.
22. Isı Bilimi ve Tekniği Kongresi (ULIBTK 2019), Kocaeli, Turkey, 11 - 14 September 2019
- V. **Rüzgar Türbin Kanadı Performans İncelemesi**
ERKAN O., ÖZKAN M.
22. Isı Bilimi ve Tekniği Kongresi, Kocaeli, Turkey, 11 - 14 September 2019
- VI. **Mini-Channel Cooling of a Photovoltaic Cell**
ERKAN O., ÖZKAN M., ARSLAN O.
2nd International Symposium on Multidisciplinary and Innovative Technologies, 19 - 21 October 2018

Supported Projects

Özkan M., Başaran S., Erkan O., Project Supported by Higher Education Institutions, Akış Kaynaklı Titreşimlerle Enerji Toplama, 2020 - 2021

Metrics

Publication: 15

Citation (WoS): 1

Citation (Scopus): 43

H-Index (WoS): 1

H-Index (Scopus): 2