

## Assoc. Prof. ONUR YEMENİCİ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2004 - 2010

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Turkey 2000 - 2004

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1996 - 2000

### Dissertations

Doctorate, Bloklü yüzeylerde akış ve ısı transferi karakteristiklerinin incelenmesi, 2010

Postgraduate, Termik ve hidrodinamik sınır tabaka akışlarının incelenmesi, Bursa Uludağ University, 2004

### Research Areas

Mechanical Engineering

### Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2020 - Continues

Research Assistant, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2002 - Continues

Assistant Professor, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2014 - 2021

Assistant Professor, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2014 - 2020

### Advising Theses

YEMENİCİ O., Decreasing casting numerical analysis of wind loads on solar panels, Postgraduate, M.Osman(Student), 2019

YEMENİCİ O., Effects of non-Newtonian fluids on centrifugal pump performance, Postgraduate, M.Dönmez(Student), 2019

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

- I. **Experimental evaluation of wind loads on a ground-mounted solar panel of various ground clearances and Reynolds numbers**  
YEMENİCİ O.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.46, no.4, 2021 (SCI-Expanded)
- II. **Experimental and numerical investigation of the effect of horseshoe vortex legs on heat characteristics of the downstream region of a circular cylinder-wall junction**  
Firatoglu Z. A., Yemenici O., UMUR H.  
International Journal of Heat and Mass Transfer, vol.180, 2021 (SCI-Expanded)
- III. **An experimental and numerical study of wind effects on a ground-mounted solar panel at different panel tilt angles and wind directions**  
YEMENİCİ O., Aksoy M. O.  
JOURNAL OF WIND ENGINEERING AND INDUSTRIAL AERODYNAMICS, vol.213, 2021 (SCI-Expanded)
- IV. **Experimental study of aerodynamic loads on ground-mounted solar panel arrays: The panel spacing and inclination angle effect**  
YEMENİCİ O.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.234, no.17, pp.3380-3396, 2020 (SCI-Expanded)
- V. **Flow and heat transfer characteristics over rectangular blocked surfaces**  
Umur H., Yemenici O., Umur Y., Sakin A.  
EXPERIMENTAL HEAT TRANSFER, vol.30, no.3, pp.192-204, 2017 (SCI-Expanded)
- VI. **Experimental Aspects of Heat Transfer Enhancement over Various Flow Surfaces**  
YEMENİCİ O., UMUR H.  
HEAT TRANSFER ENGINEERING, vol.37, no.5, pp.435-442, 2016 (SCI-Expanded)
- VII. **Aerodynamic Analysis of a Passenger Car at Yaw Angle and Two-Vehicle Platoon**  
Altinisik A., YEMENİCİ O., UMUR H.  
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.137, no.12, 2015 (SCI-Expanded)
- VIII. **Transitional boundary layer flow and heat transfer over blocked surfaces with influence of free stream velocity and block height**  
Yemenici O., Firatoglu Z. A.  
HEAT AND MASS TRANSFER, vol.49, no.11, pp.1637-1646, 2013 (SCI-Expanded)
- IX. **An analysis of flow and heat transfer in separated flows over blocked surface**  
Yemenici O., Firatoglu Z. A.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.227, no.C3, pp.481-491, 2013 (SCI-Expanded)
- X. **An experimental investigation of flow and heat transfer characteristics over blocked surfaces in laminar and turbulent flows**  
Yemenici O., Firatoglu Z. A., Umur H.  
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.55, no.13-14, pp.3641-3649, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Aerodynamic mechanisms on a ground-mounted solar panel at different wind directions**  
YEMENİCİ O.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, 2020 (Peer-Reviewed Journal)
- II. **A numerical study on centrifugal pump performance with the influence of non-Newtonian fluids**  
DÖNMEZ M., YEMENİCİ O.  
International Journal Of Sciences, 2019 (Peer-Reviewed Journal)
- III. **Fotovoltaik panel karakteristiklerini hesaplayan desktop tabanlı bir yazılım geliştirilmesi ve Şanlıurfa ili için örnekleme çalışması**  
FIRATOĞLU Z. A., İŞİKER Y., YEMENİCİ O., YEŞİLATA B.

- Harran Üniversitesi Mühendislik Dergisi, 2018 (Peer-Reviewed Journal)
- IV. **An experimental investigation of the flow over an automobile side rear view mirror**  
YEMENİCİ O.  
International Journal of Mechanical And Production Engineering, 2017 (Peer-Reviewed Journal)
- V. **Effects of plastic material on cooling time in plastic injection molding**  
YEMENİCİ O., GÜNEY A. A.  
International Journal of Mechanical and Production Engineering, 2017 (Peer-Reviewed Journal)
- VI. **An analysis of cooling time in plastic injection moulding with influence of inlet temperature of cooling fluid**  
YEMENİCİ O., GÜNEY A. A.  
International Journal Of Mechanical and Production Engineering, 2016 (Peer-Reviewed Journal)
- VII. **Heat transfer enhancement using concave and ribbed surfaces in laminar flows**  
YEMENİCİ O.  
International Journal of Advances in Mechanical and Civil Engineering, 2015 (Peer-Reviewed Journal)
- VIII. **Bloklü yüzey üzerinde ayrılmış akışın incelenmesi**  
YEMENİCİ O., FIRATOĞLU Z. A.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, 2013 (Peer-Reviewed Journal)
- IX. **Türbülanslı akışta ısı transferinin bloklü yüzeyler ile arttırılması**  
YEMENİCİ O., FIRATOĞLU Z. A.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, 2013 (Peer-Reviewed Journal)
- X. **Numerical investigation of laminar and turbulent flows over ribbed surfaces**  
YEMENİCİ O., SAKİN A.  
INTERNATIONAL JOURNAL OF ADVANCES IN ENGINEERING TECHNOLOGY, 2013 (Peer-Reviewed Journal)
- XI. **Experimental investigation of the flow field around NACA0012 airfoil**  
YEMENİCİ O.  
INTERNATIONAL JOURNAL OF SCIENCES, 2013 (Peer-Reviewed Journal)
- XII. **Pressure measurements of the flow over a rearview side mirror**  
YEMENİCİ O.  
INTERNATIONAL JOURNAL OF SCIENCES, 2013 (Peer-Reviewed Journal)
- XIII. **Numerical investigation of heat transfer for laminar and turbulent flow over ribbed walls**  
YEMENİCİ O., SAKİN A.  
INTERNATIONAL JOURNAL OF ENGINEERING AND ADVANCED TECHNOLOGY, 2013 (Peer-Reviewed Journal)
- XIV. **Thermal characteristics of turbulent flows under the effects of rib curvature and Reynolds number**  
YEMENİCİ O., UMUR H.  
INTERNATIONAL JOURNAL OF ADVANCES IN ENGINEERING TECHNOLOGY, 2013 (Peer-Reviewed Journal)
- XV. **Velocity turbulent intensity and pressure measurements in turbulent separated and curved flows**  
YEMENİCİ O., UMUR H.  
INTERNATIONAL JOURNAL OF ENGINEERING AND ADVANCED TECHNOLOGY, 2013 (Peer-Reviewed Journal)
- XVI. **Heat transfer analysis of laminar flows over concave convex and ribbed surfaces**  
YEMENİCİ O., UMUR H.  
INTERNATIONAL JOURNAL ON HEAT AND MASS TRANSFER – THEORY AND APPLICATIONS, 2013 (Peer-Reviewed Journal)

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

- I. **DOĞAL HAVALANDIRMALI BİR YOL TÜNELİ YANGININDA DUVAR KAPLAMASI ETKİSİNİN SAYISAL OLARAK İNCELENMESİ**  
KÜÇÜK B., YEMENİCİ O.  
2. INTERNATIONAL HASANKEYF SCIENTIFIC STUDIES AND INNOVATION CONGRESS, 25 June 2022
- II. **Yüzey geometrisinin enerji verimliliğine etkisi**

- YEMENİCİ O., FIRATOĞLU Z. A., UMUR H.  
GAPYENEV, Turkey, 10 - 12 May 2018
- III. **Düzlemsel vakum tüplü bir termal kolektörün tasarımı**  
MEYVACI D., İZOL S., FIRATOĞLU Z. A., İLKHAN M. A., YEMENİCİ O.  
GAPYENEV, Turkey, 10 - 12 May 2018
- IV. **Çalışma basıncının fan tipi bir sulama memesinin performansına etkisinin nümerik araştırılması**  
CAN A., MEYVACI D., FIRATOĞLU Z. A., YEMENİCİ O., UMUR H.  
GAPYENEV, Turkey, 10 - 12 May 2018
- V. **Numerical study of wind loads on a solar panel at different inclination angles**  
YEMENİCİ O., AKSOY M. O.  
9th International Conference on Mechanical and Aerospace Engineering, 10 - 13 July 2018
- VI. **An experimental investigation of the flow over an automobile side rear view mirror**  
YEMENİCİ O.  
International Conference on Recent Innovations in Engineering and Technology, 21 - 22 July 2017
- VII. **Effects of plastic material on cooling time in plastic injection molding**  
YEMENİCİ O., GÜNEY A. A.  
International Academic Conference on Development in Science and Technology, 21 - 22 May 2017
- VIII. **An analysis of cooling time in plastic injection moulding with influence of inlet temperature of cooling fluid**  
YEMENİCİ O., GÜNEY A. A.  
International Conference on Recent Innovations in Engineering and Technology, 13 April 2016
- IX. **Heat transfer enhancement using concave and ribbed surfaces in laminar flows**  
YEMENİCİ O.  
International Conference on Recent Innovations in Engineering and Technology, 23 October 2015
- X. **Gerçek Araç modeli üzerinde deneysel ve sayısal aerodinamik analizler**  
ALTINIŞIK A., KÜÇÜKÇEKEN E., YEMENİCİ O., UMUR H.  
7. Otomotiv Teknolojileri Kongresi, Turkey, 26 - 27 May 2014
- XI. **An experimental study on the aerodynamics of a symmetrical airfoil with influence of Reynolds number and attack angle**  
YEMENİCİ O.  
2nd International Conference on Research in Science, Engineering and Technology, 21 - 22 March 2014
- XII. **Concave surface velocity and heat transfer measurements in accelerating and decelerating boundary layers**  
ÖZALP A. A., YEMENİCİ O., UMUR H.  
1st Int. Exergy, Energy and Environment Symposium, 13 - 17 July 2003

## Metrics

Publication: 38

Citation (WoS): 66

Citation (Scopus): 83

H-Index (WoS): 4

H-Index (Scopus): 5