

## Res. Asst. HAMDİ KULEYİN

### Personal Information

**Office Phone:** [+90 464 223 7518](tel:+904642237518) Extension: 1167

**Email:** hamdi.kuleyin@erdogan.edu.tr

**Web:** <https://avesis.erdogan.edu.tr/hamdi.kuleyin>

**Address:** Recep Tayyip ERDOĞAN Üniversitesi Zihni Derin Yerleşkesi Mühendislik Fakültesi

### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilim Dalı, Turkey 2018 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilim Dalı, Turkey 2015 - 2018

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2011 - 2015

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Training, 3D TARAYICI VE YAZICI YETKİNLİK GELİŞTİRME PROGRAMI , TMMOB Makina Mühendisleri Odası, 2021

### Dissertations

Postgraduate, BASINÇLANDIRILMIŞ İNCE CİDARLI TÜPLERİN ÇARPMA PERFORMANSLARININ BELİRLENMESİ, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı / Mekanik , 2018

### Research Areas

Mechanical Engineering, Mechanical, Solid Mechanics, Fracture Mechanics, Finite Element Methods, Mechanical Testing, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2016 - Continues

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

- I. **The numerical evaluation of crash performance of the pressurized thin-walled tubes**  
KULEYİN H., GÜMRÜK R.  
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.44, no.3, 2022 (Journal Indexed in SCI)
- II. **Effect of Boronizing on Operating Stability of Steel AISI 304L under Erosion Impact of Hard Particles**  
BİCAN O., BAYÇA S. U. , KULEYİN H., GÜMRÜK R.  
METAL SCIENCE AND HEAT TREATMENT, vol.63, no.3-4, pp.156-162, 2021 (Journal Indexed in SCI)
- III. **The mechanical compression performance of ultra-fine grained stainless steel pyramidal lattice core**  
Kuleyin H., GÜMRÜK R., YANAR H., DEMIRTAS M., PÜRÇEK G.  
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.28, no.10, pp.1073-1078, 2021 (Journal Indexed in SCI)
- IV. **Development of Optical, Microstructural and Mechanical Properties of Porcelain Stonewares**  
Aydin T., Bican O., GÜMRÜK R., KULEYİN H.  
SCIENCE OF SINTERING, vol.53, no.1, pp.79-90, 2021 (Journal Indexed in SCI)
- V. **Pressure wave propagation in pressurized thin-walled circular tubes under axial impact**  
Kuleyin H., GÜMRÜK R.  
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING, vol.130, pp.138-152, 2019 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Investigating the effects of hot isostatic pressure heat treatment on mechanical properties of PLA based BCC lattices**  
KULEYİN H., UŞUN A., GÜMRÜK R.  
Selcuk University Journal of Engineering Sciences, vol.21, no.1, 2022 (Refereed Journals of Other Institutions)
- II. **INVESTIGATION OF DYNAMICS MECHANICAL BEHAVIOUR OF STAINLESS STEEL STRUCTURES PRODUCED BY THE SELECTIVE LASER MELTING TECHNIQUE**  
GÜMRÜK R., KULEYİN H., MİNES B.  
International Journal of Engineering, Technology and Natural Sciences, vol.1, no.1, pp.23-30, 2016 (Refereed Journals of Other Institutions)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Investigating of the Effects of Hot Isostatic Pressure Heat Treatment on Mechanical Properties of PLA Based BCC Lattices**  
KULEYİN H., UŞUN A., GÜMRÜK R.  
INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGIES, Konya, Turkey, 18 - 20 November 2021
- II. **ENERGY ABSORPTION PERFORMANCE OF PRESSURIZED THIN-WALLED TUBES**  
KULEYİN H., GÜMRÜK R.  
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.20-30
- III. **BASINÇLANDIRILMIŞ İNCE CİDARLI TÜPLERİN ADAPTİF ENERJİ SÖNÜMLEYİCİ OLARAK KULLANIMI**  
KULEYİN H., GÜMRÜK R.  
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Nevşehir, Turkey, 21 - 23 June 2019, pp.30-40
- IV. **VESTIGATION OF DYNAMICS MECHANICAL BEHAVIOUR OF STAINLESS STEEL STRUCTURES PRODUCED BY THE SELECTIVE LASER MELTING TECHNIQUE**  
GÜMRÜK R., KULEYİN H., Bob M.  
MECHATECH '16 / International Mechanical Engineering and Technologies Conference, İstanbul, Turkey, 17 - 18 May 2016, pp.23-30

## V. INVESTIGATION OF DYNAMICS MECHANICAL BEHAVIOUR OF STAINLESS STEEL STRUCTURES PRODUCED BY THE SELECTIVE LASER MELTING TECHNIQUE

GÜMRÜK R., KULEYİN H., MİNES B.

MECHATECH INTERNATIONAL MECHANICAL ENGINEERING AND TECHNOLOGIES CONFERENCE, İstanbul, Turkey, 17 - 18 May 2016, pp.150-157

### Supported Projects

Gümrük R., Uşun A., Kuleyin H., Project Supported by Higher Education Institutions, Üç Boyutlu Yazıcı Kullanılarak Yüksek Mukavemetli Sürekli Elyaf Takviyeli Termoplastik Kompozitlerin Üretilmesi, 2020 - 2022

Gümrük R., Aygün C., Kuleyin H., Uşun A., TÜBİTAK Project, Yüksek Performanslı Difüzyon Reflektör İmalatı, 2018 - 2019

KULEYİN H., Project Supported by Other Official Institutions, TAI-TUSAŞ Düşük Enerjili Çarpışma Altında Helikopter Palinin Aşınma Davranışının Deneysel Ve Sayısal İncelenmesi, 2015 - 2017

### Patent

Kuleyin H., Gümrük R., Darbe sönmüleme tüpleri için bir iç basınç torbası, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: 2017 19881 , Initial Registration, 2021

### Memberships / Tasks in Scientific Organizations

Tmmob Makine Mühendisleri Odası, Board Member, 2022 - Continues, Turkey

### Scientific Refereeing

Proceedings Of The Institution Of Mechanical Engineers Part D-Journal Of Automobile Engineering, SCI Journal, March 2021

### Edit Congress and Symposium Activities

5th International Conference on Engineering Technologies , Attendee, Konya, Turkey, 2021

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, Attendee, Nevşehir, Turkey, 2019

TAİ-1. Genç Araştırmacılar Çalıştayı, Attendee, Ankara, Turkey, 2016

MECHATECH'16, Attendee, İstanbul, Turkey, 2016

### Citations

Total Citations (WOS):8

h-index (WOS):2

### Awards

KULEYİN H., Karadeniz Teknik Üniversitesi Makine Mühendisliği Bölüm İkincisi, Karadeniz Teknik Üniversitesi, June 2015

## **Non Academic Experience**

Business Establishment Private, Yasuto Mühendislik