

Res. Asst. PhD Alparslan SOLAK

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-6944-2020

ScopusID: 57371982800

Yoksis Researcher ID: 264513

Education Information

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Makine Mühendisliği/Konstrüksiyon, Turkey
2017 - 2023

Postgraduate, Istanbul Technical University, Makine Fakültesi, Makine Mühendisliği/Konstrüksiyon, Turkey 2014 - 2017

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering,
Turkey 2010 - 2014

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Dalgalı Bal Peteklerin Basma, Eğme ve Çarpma Durumlarındaki Mekanik Davranışlarının İncelenmesi, Yildiz
Technical University, Graduate School Of Natural And Applied Sciences, 2023

Postgraduate, KÖMÜR MADENLERİ İÇİN BANTLI KONVEYÖR TASARIMI VE TASARIM PARAMETRELERİNİN
OPTİMİZASYONU, Istanbul Technical University, Makina, Makina Mühendisliği, 2016

Research Areas

Finite Element Methods, Mechanical Testing

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical
Engineering, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of numerical belt sag and conveyor capacities in inclined belt conveyors: An iterative approach**
Bolat B., Aşçıoğlu Temiztaş B., Sezer E., Solak A.
POWDER TECHNOLOGY, vol.1, pp.118394-118395, 2023 (SCI-Expanded)
- II. **Numerical investigation of the mechanical behavior of the vertical stabilizer leading edge with wavy honeycomb sandwich structure under bird strike**
Solak A., Aşçıoğlu Temiztaş B., Bolat B.
JOURNAL OF SANDWICH STRUCTURES AND MATERIALS, vol.1, no.1, pp.1-14, 2022 (SCI-Expanded)
- III. **Investigation of the effect of wavy honeycomb on the bending performance of the sandwich structure**
Solak A., Aşçıoğlu Temiztaş B., Bolat B.
JOURNAL OF SANDWICH STRUCTURES AND MATERIALS, vol.24, no.5, pp.1905-1919, 2022 (SCI-Expanded)
- IV. **Estimation of wavy honeycombs' compression performance via a machine learning algorithm**
Solak A., Aşçıoğlu Temiztaş B., Bolat B.
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.18, no.8, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Virtual testing of aluminum and Nomex® honeycomb core structures using ls-dyna and Python/Seaborn**
Solak A., Aşçıoğlu Temiztaş B., Bolat B.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.40, no.4, pp.823-836, 2022 (ESCI)
- II. **Düşük Karbonlu Çelik Malzemenin Rijitlik Değerinin Deneysel ve Teorik Yaklaşım ile Belirlenmesi**
Erbayrak E., Asmaz K., Solak A.
Bayburt Üniversitesi Fen Bilimleri Dergisi, vol.1, no.1, pp.1-7, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Solak A., Aşçıoğlu Temiztaş B., Bolat B.
2. INTERNATIONAL MEDITERRANEAN SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Girne, Cyprus (Kktc), 30 July - 31 August 2022, pp.492
- II. **The Effect Of Changes In The Design Of The Crank Connecting Rod Mechanism On Stress**
Kaner B., Asmaz K., Solak A.
4th International Conference On Advances In Mechanical Engineering, İstanbul, Turkey, 19 December 2018, vol.1, no.1, pp.1596-1608
- III. **The Usage of Strain Gauge in Tension, Torsion and Bending**
Asmaz K., Erbayrak E., Solak A.
International Conference on Science and Technology (ICONST 2018), Prizren, Kosova, 05 September 2018, vol.1, no.1, pp.1041
- IV. **CONSTRUCTIVE DESIGN OF A BELT CONVEYOR FOR A COAL MINE**
Solak A., Kalay E., İmrak E.
XXVI INTERNATIONAL SCIENTIFIC CONFERENCE, Burgas, Bulgaria, 27 June 2018, pp.1

Supported Projects

Solak A., Aşçıoğlu Temiztaş B., Bolat B., Project Supported by Higher Education Institutions, Dalgalı bal peteği sandviç yapıların eğilme davranışlarının incelenmesi, 2022 - 2024

Aşçıoğlu Temiztaş B., Bolat B., SOLAK A., Project Supported by Higher Education Institutions, Bantlı Konveyörlerde Farklı

Tasks In Event Organizations

Solak A., ICAME 2021, Scientific Congress, İstanbul, Turkey, Kasım 2021

Solak A., ICAME 2019, Scientific Congress, İstanbul, Turkey, Aralık 2019

Metrics

Publication: 10

Citation (WoS): 2

Citation (Scopus): 4

H-Index (WoS): 1

H-Index (Scopus): 2