

## Res. Asst. DURMUŞ CAN ACER

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: J-1685-2018

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### Education Information

Postgraduate, Cukurova University, Makina Mühendisliği, Makine Mühendisliği, Turkey 2016 - 2019

Undergraduate, Cukurova University, Mühendislik Mimarlık, Otomotiv Mühendisliği, Turkey 2011 - 2016

### Research Areas

Mechanical Engineering, Construction and Manufacturing, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Cukurova University, Makina Mühendisliği, Makine Mühendisliği, 2017 - Continues

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

- I. **A method for the optimal design of low-density polymer foam core sandwiches using FEA and multiobjective optimization of design variables**  
Uzay C., Acer D. C., Geren N.  
JOURNAL OF POLYMER ENGINEERING, vol.42, no.1, pp.75-84, 2022 (SCI-Expanded)
- II. **The effect of boron carbide additive on the low-velocity impact properties of low-density foam core composite sandwich structures**  
GEREN N., ACER D. C., Uzay C., BAYRAMOĞLU M.  
POLYMER COMPOSITES, vol.42, no.4, pp.2037-2049, 2021 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Impact Strength of Interply and Intraply Hybrid Laminates Based on Carbon-Aramid/Epoxy Composites**  
UZAY Ç., ACER D. C., GEREN N.  
European Mechanical Science, vol.3, no.1, pp.1-5, 2019 (Peer-Reviewed Journal)
- II. **Design of Composite Sandwich Chassis and Application to Urban Concept Electric Vehicles**  
UZAY Ç., ACER D. C., GEREN N., AKILLI H.  
International Journal of Mechanical and Production Engineering (IJMPE), vol.6, no.9, pp.41-45, 2018 (Scopus)

### III. Evaluation of Flexural Stiffness for the Lightweight Polymer Foam Core Sandwich Structures

UZAY Ç., ACER D. C., GEREN N., ÇETİN A.

International Journal of Mechanical and Production Engineering (IJMPE), vol.6, no.9, pp.36-40, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

### I. THERMAL MANAGEMENT OF A MULTI-FUNCTIONAL BATTERY CASE

Diker İ., Gökciler O. C., Özkan G. M., Acer D. C., Çetin A., Geren N.

20th INTERNATIONAL CONFERENCE ON MACHINE DESIGN AND PRODUCTION- UMTİK 2024, Ankara, Turkey, 14 - 17 August 2024, vol.1, pp.153-169

### II. Design and Optimization of a Wheel Hub for Lightweight Efficiency Challenge Vehicles

ACER D. C., UZAY Ç., GEREN N., AKILLI H.

International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, vol.1, pp.192-200

### III. Impact Strength of Interply and Intraply Hybrid Laminates Based on Carbon-Aramid/Epoxy Composites

Uzay Ç., Acer D. C., Geren N.

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017

## Supported Projects

GEREN N., ACER D. C., Project Supported by Higher Education Institutions, Katkı Malzemelerinin Düşük Yoğunluklu Fiber Sandviç Panellerdeki Düşük Hızlı Darbe Özelliklerine Etkisi (The Effect of Additives on the Low Velocity Impact Properties of Low Density Fiber Sandwich Panels), 2018 - 2020

GEREN N., UZAY Ç., BOZTEPE M. H., BAYRAMOĞLU M., ACER D. C., Project Supported by Higher Education Institutions, Sandviç Panellerin Sonlu Elemanlar Yöntemi ile Modellenmesi Analiz Edilmesi ve Sonuçların Deneysel Verilerle Karşılaştırılması, 2017 - 2018

## Metrics

Publication: 8

Citation (WoS): 6

Citation (Scopus): 8

H-Index (WoS): 2

H-Index (Scopus): 1

## Non Academic Experience

Tensor Mühendislik Arge Danışmanlık San. ve Tic. Ltd. Şti.