



## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: ABC-9717-2022

ScopusID: 58022257400

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## Education Information

Doctorate, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Mechanical Engineering, Turkey 2017 - 2023

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mechanical Engineering, Turkey 2014 - 2017

Undergraduate, Hitit University, Engineering Faculty, Mechanical Engineering, Turkey 2007 - 2013

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, LARGE DEFLECTIONS OF NON-LINEAR BI-MODULUS FUNCTIONALLY GRADED BEAMS UNDER DIFFERENT BOUNDARY AND LOADING CONDITIONS, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Mechanical Engineering, 2023

Postgraduate, Fonksiyonel derecelendirilmiş konsol kirişlerde büyük yer değiştirmelerin analizi, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2017

## Research Areas

Mechanical Engineering, Construction and Manufacturing

## Academic Titles / Tasks

Research Assistant PhD, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2013 - Continues

## Courses

İş Sağlığı ve Güvenliği - II, Undergraduate, 2023 - 2024  
Machine Elements - II, Undergraduate, 2023 - 2024  
Bitirme Projesi, Undergraduate, 2023 - 2024  
Mühendislik Tasarımı, Undergraduate, 2023 - 2024  
Machine Elements-I, Undergraduate, 2023 - 2024

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

- I. Large Deflections of Functionally Graded Nonlinearly Elastic Cantilever Beams**  
Hacıoğlu A., Candaş A., Baykara C.  
Journal of Engineering Materials and Technology, vol.145, no.2, 2023 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. A COMPARATIVE STUDY OF 3D MESH ELEMENTS IN FINITE ELEMENT SIMULATION OF LARGE DEFLECTION PROBLEMS**  
Hacıoğlu A.  
10TH INTERNATIONAL "BAŞKENT" CONGRESS ON PHYSICAL, ENGINEERING, AND APPLIED SCIENCES, Ankara, Turkey, 28 - 30 October 2023, pp.184-192
- II. BENDING ANALYSIS OF TAPERED EULER-BERNOULLI BEAM OF AXIALLY FUNCTIONALLY GRADED BI-MODULUS MATERIAL**  
Hacıoğlu A., Baykara C.  
6. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 7 - 08 October 2023, pp.512-524
- III. Large Deflections of Bi-directional Functionally Graded Cantilever Beams**  
Hacıoğlu A., Candaş A., Baykara C.  
6th International Conference on Engineering Technologies, ICENTE'22, Konya, Turkey, 17 November 2022, pp.311-314
- IV. A Non-Linear Large Deflection Analysis For FGM Beams Under The Different Boundary Conditions And Different Loads Based On Generalized Ludwick Law**  
HACIOĞLU A., BAYKARA C.  
International Conference on Mechanics of Composites, 04 July 2017 - 07 January 2018

## Metrics

Publication: 5  
Citation (WoS): 3  
Citation (Scopus): 3  
H-Index (WoS): 1  
H-Index (Scopus): 1