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Dept. of Mechanical Eng., Ege University  
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Scopus  
Researchgate  
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## 1 Research areas

- Composite materials
- Finite element method
- Mechanics of solid bodies
- Biomechanics
- Dynamics
- Signal processing
- Programming (C, C++, Python)
- Topology optimisation

## 2 Education information

- Ph.D., Dept. of Mechanical Eng., Ege University (*2021 – ongoing*)
- M.Sc., Dept. of Mechanical Eng., Dokuz Eylül University (*2018 – 2021*)
- B.Sc., Dept. of Mechanical Eng., Dokuz Eylül University (*2012– 2017*)

## 3 Foreign languages

- C1 level of English
- A1 level of German

## 4 Certificates

- How to Prepare a Successful Paper, 2021, *by* Springer Nature

## 5 Thesis

- Analyzing and assessment of different muscle groups in shoulder joint with finite element method, 2021, Dokuz Eylül University, Türkiye

## 6 Academic experience

- Research and teaching assistant since March 10, 2020 in Dept. of Mechanical Eng., Ege University
- Research and teaching assistant in *Statics, Strength of Materials, Computational Mechanics, Engineering Materials, Machine laboratory*

## 7 Articles

- Tümer, D., Arman, Y. & Havıtcıoğlu, H. Transient dynamic analysis of a rotator cuff tear effect in the shoulder joint: A finite element study (*in review*)
- Günindi, B., Toygar, E.M. & Tümer, D. Design and heat analysis of basalt glass as a thermal storage material in a CSP system (*in review*)
- Tümer, D., Güngörürler, M., Arman, Y. & Havıtcıoğlu, H. Investigation of effective coating of the Ti-6Al-4V alloy and 316L stainless steel with graphene or carbon nanotubes with finite element methods. *Journal of Materials Research and Technology*, 9(6), 15880 – 15893 (2020)

## 8 Conference paper

- Analyzing and assessment of different muscle groups in shoulder joint with finite element method, *3rd International Student Science Congress*, 12, 451 – 457, 2019