

## Lect. CAN BARIŞ TOPRAK

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, Turkey 2018 - Continues

Postgraduate, Beijing University of Science and Technology, School of Automation, Control Engineering, China 2014 - 2016

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, Turkey 2010 - 2014

### Foreign Languages

English, C1 Advanced

Chinese, A2 Elementary

### Research Areas

Non-traditional manufacturing methods, Mechatronics, Finite Element Methods

### Academic Titles / Tasks

Expert, Gazi University, Araştırma ve Uygulama Merkezleri, Eklemeli İmalat Teknolojileri Araştırma ve Uygulama Merkezi, 2019 - Continues

Lecturer, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, 2018 - Continues

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

I. **Optimal process parameter determination in selective laser melting via machine learning-guided sequential quadratic programming**

Toprak C. B., Doğruer C. U.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE, no.1, pp.1-16, 2024 (SCI-Expanded)

II. **A Critical Review of Machine Learning Methods Used in Metal Powder Bed Fusion Process to Predict Part Properties**

Toprak C. B., Doğruer C. U.

INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING, vol.25, no.10, pp.1-23, 2023 (SCI-Expanded)

**III. Neuro-fuzzy modelling methods for relative density prediction of stainless steel 316L metal parts produced by additive manufacturing technique**

Toprak C. B., Dogruer C. U.

JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.37, pp.1-12, 2022 (SCI-Expanded)

## **Articles Published in Other Journals**

**I. Advancing modal analysis of mechanical linkages via differential algebraic equations**

DOĞRUER C. U., TOPRAK C. B., YILDIRIM B.

JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, 2024 (ESCI)

**II. Optimizing Truss Dynamics: A Multi-Objective Approach to Modify Natural Frequencies and Mode Shapes with Geometric Constraints**

Toprak C. B., Doğruer C. U., Yıldırım B.

Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.12, pp.354-365, 2024 (Peer-Reviewed Journal)

## **Metrics**

Publication: 5

Citation (WoS): 3

Citation (Scopus): 3

H-Index (WoS): 1

H-Index (Scopus): 1