



Dr. Öğr. Üyesi HAKAN DOĞAN

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**Uluslararası Araştırmacı ID'leri**

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Publons / Web Of Science ResearcherID: GXW-3334-2022

ScopusID: 57200712086

Yoksis Araştırmacı ID: 394893

## Araştırma Alanları

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Talaşlı İmalat Yöntemleri, Makina Dinamiği, Sistem Dinamiği ve Kontrolü, Mekanik Titreşimler

## Akademik Unvanlar / Görevler

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- I. Dr. Öğr. Üyesi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2023 - Devam Ediyor
- II. Araştırmacı, University of Bath, Mechanical Engineering, 2022 - 2023

## Verdiği Dersler

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- I. Analytical Methods in Engineering, Doktora, 2023 - 2024
- II. Analytical Methods in Engineering, Yüksek Lisans, 2023 - 2024

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

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- I. **Analysis of virtual inerter-based passive absorber for active chatter control**  
Doğan H., Özsoy M., Ozturk E., Sims N., Wagg D.  
JOURNAL OF SOUND AND VIBRATION, cilt.578, sa.118359, 2024 (SCI-Expanded)
- II. **Using machine learning for cutting tool condition monitoring and prediction during machining of tungsten**  
Omole S., Doğan H., Lunt A. J. G., Kirk S., Shokrani A.  
INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, cilt.1, sa.1, ss.1-25, 2023 (SCI-Expanded)
- III. **Implementation of Inerter-Based Dynamic Vibration Absorber for Chatter Suppression**  
Doğan H., Sims N. D., Wagg D. J.  
JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING, TRANSACTIONS OF THE ASME, cilt.145, ss.1, 2023 (SCI-Expanded)

- IV. **Design, testing and analysis of a pivoted-bar inerter device used as a vibration absorber**  
Dogan H., Sims N. D., Wagg D. J.  
Mechanical Systems and Signal Processing, cilt.171, 2022 (SCI-Expanded)
- V. **Effect of joint flexibility on vibration characteristics of a composite box manipulator**  
MALGACA L., DOĞAN H., AKDAĞ M., YAVUZ Ş., UYAR M. B., Bidikli B.  
Composite Structures, cilt.183, sa.1, ss.271-277, 2018 (SCI-Expanded)

## Diğer Dergilerde Yayınlanan Makaleler

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- I. **TOWARDS SUSTAINABLE AND INTELLIGENT MACHINING: ENERGY FOOTPRINT AND TOOL CONDITION MONITORING FOR MEDIA-ASSISTED PROCESSES**  
Dogan H., Jones L., Hall S., Shokrani A.  
Journal of Machine Engineering, cilt.23, sa.2, ss.16-40, 2023 (Scopus)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

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- I. **Investigation of chatter detection with sensor-integrated tool holders based on strain measurement**  
DOĞAN H., Shokrani A.  
19th CIRP Conference on Modeling of Machining Operations, CMMO 2023, Karlsruhe, Almanya, 31 Mayıs - 02 Haziran 2023, cilt.117, ss.157-162
- II. **Active Chatter Suppression Through Virtual Inerter-Based Passive Absorber Control**  
Ozsoy M., Doğan H., Ozturk E., Wagg D. J., Sims N. D.  
Machining Innovations Conference for Aerospace Industry (MIC) 2022, Hannover, Almanya, 30 Kasım 2022 - 01 Aralık 2023, cilt.1, ss.1
- III. **Design and implementation of TID for vibration suppression**  
Dogan H., Sims N., Wagg D.  
2020 International Conference on Noise and Vibration Engineering, ISMA 2020 and 2020 International Conference on Uncertainty in Structural Dynamics, USD 2020, Leuven, Belçika, 7 - 09 Eylül 2020, ss.3087-3096
- IV. **The effects of parasitic mass on the performance of inerter-based dynamic vibration absorbers**  
Dogan H., Sims N. D., Wagg D. J.  
11th International Conference on Structural Dynamics, EURO DYN 2020, Virtual, Athens, Yunanistan, 23 - 26 Kasım 2020, cilt.1, ss.1545-1555
- V. **Investigation of the inerter-based dynamic vibration absorber for machining chatter suppression**  
Dogan H., Sims N. D., Wagg D. J.  
13th International Conference on Recent Advances in Structural Dynamics, RASD 2019, Lyon, Fransa, 15 - 17 Nisan 2019, cilt.1264

## Metrikler

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Yayın: 11  
Atif (Scopus): 21  
H-İndeks (Scopus): 3

## Antrenörlük Görevleri

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