

# Prof. AHMET TAŐKESEN

## Personal Information

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## International Researcher IDs

ORCID: 0000-0002-2479-1607

Yoksis Researcher ID: 44133

## Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 1997 - 2003

## Foreign Languages

English, C1 Advanced

## Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakóltesi, Endüstriyel Tasarım Mühendisliđi Bölümü, 2019 - Continues

Associate Professor, Gazi University, Teknoloji Fakóltesi, Endüstriyel Tasarım Mühendisliđi Bölümü, 2014 - 2019

Assistant Professor, Gazi University, Teknoloji Fakóltesi, İmalat Mühendisliđi Bölümü, 2011 - 2013

## Academic and Administrative Experience

Gazi University, Ankara Keçiören Sađlık Hizmetleri Meslek Yüksekokulu, 2016 - 2020

Gazi University, Fen Bilimleri Enstitüsü, 2018 - 2018

## Courses

Mukavemet, Undergraduate, 2023 - 2024

## Advising Theses

Taşkesen A., ŐEKİL HAFIZALI ALAŐIM KATKILI KOMPOZİT PLAĐIN AKTİF TİTREŐİM SÖNÜMLE MEYETENEĐİNİN ARAŐTIRILMASI, Doctorate, O.NAZLIM(Student), 2024

TAŐKESEN A., Demir bazlı süper alaőımların işlenebilirliđinin deneysel olarak incelenmesi, Postgraduate, O.BIYIK(Student), 2016

TAŐKESEN A., Experimental Investigation On The Machinability Of Iron Based Superalloys, Postgraduate, O.Bıyk(Student), 2016

TAŐKESEN A., Determine of drillability features of reinforced ceramic composite materials based on aluminum, Doctorate, K.KÜTÜKDE(Student), 2014

TAŞKESEN A., Determination of the effects on mechanical properties of recycle ratio in calcit reinforced polypropylene materials in injection moulding, Postgraduate, E.ASLAN(Student), 2013  
TAŞKESEN A., DEVELOPMENT OF AN WEB BASED PLATFORM FOR DISTANCE EDUCATION AND APPLICATION TO MECHANICS COURSES, Postgraduate, C.ÇOŞKUN(Student), 2007

## **Jury Memberships**

Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, June, 2022  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, June, 2021  
Post Graduate, Post Graduate, Gazi Üniversitesi, June, 2021  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gazi Üniversitesi, May, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, June, 2020  
Doctorate, Doctorate, Gazi Üniversitesi, December, 2019  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, September, 2019  
Post Graduate, Post Graduate, Gazi Üniversitesi, June, 2019  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2018  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, May, 2018  
Post Graduate, Post Graduate, Gazi Üniversitesi, April, 2018  
Post Graduate, Post Graduate, Gazi Üniversitesi, April, 2018  
Doctorate, Doctorate, Gazi Üniversitesi, January, 2018  
Post Graduate, Post Graduate, Gazi Üniversitesi, January, 2018  
Post Graduate, Post Graduate, Gazi Üniversitesi, July, 2017

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

- I. **Age-Hardening Responses of Al-Cu Alloy Powders Processed by Equal Channel Angular Pressing**  
Saritaş G., Tekeli S., Taşkesen A., Demir Ü., Güral A.  
Physics Of Metals And Metallography, vol.121, no.14, pp.114-124, 2020 (SCI-Expanded)
- II. **The Effect of Aging and Burnishing Treatment on Parts Joined by Friction Stir Welding**  
Sonmez F., BAŞAK H., GÜRAL A., TAŞKESEN A.  
JOURNAL OF TESTING AND EVALUATION, vol.48, no.5, pp.3883-3893, 2020 (SCI-Expanded)
- III. **The effect of cryogenic treatment on ageing behaviour of B4C reinforced 7075 aluminium composite**  
Taskesen A., Aksoz S., Ozdemir A. T.  
KOVOVE MATERIALY-METALLIC MATERIALS, vol.55, no.1, pp.57-67, 2017 (SCI-Expanded)
- IV. **Analysis of thrust force in drilling B4C-reinforced aluminium alloy using genetic learning algorithm**  
TAŞKESEN A., ALDAŞ K., Ozkul I., Kutukde K., ZÜMRÜT Y.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.75, pp.237-245, 2014 (SCI-Expanded)
- V. **EXPERIMENTAL INVESTIGATION AND OPTIMISATION IN DRILLING OF AZ31 MAGNESIUM ALLOY USING GREY RELATIONAL ANALYSIS**  
Taskesen A.  
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.20, no.3, pp.325-338, 2014 (SCI-Expanded)
- VI. **Experimental investigation and multi-objective analysis on drilling of boron carbide reinforced metal matrix composites using grey relational analysis**  
TAŞKESEN A., Kutukde K.  
MEASUREMENT, vol.47, pp.321-330, 2014 (SCI-Expanded)
- VII. **Analysis and optimization of drilling parameters for tool wear and hole dimensional accuracy in B4C**

## **reinforced Al-alloy**

Taskesen A., Kutukde K.

TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.23, no.9, pp.2524-2536, 2013 (SCI-Expanded)

### **VIII. OPTIMIZATION OF THE DRILLING PARAMETERS FOR THE CUTTING FORCES IN B4C-REINFORCED A1-7XXX-SERIES ALLOYS BASED ON THE TAGUCHI METHOD**

TAŞKESEN A., Kutukde K.

MATERIALI IN TEHNOLOGIJE, vol.47, no.2, pp.169-176, 2013 (SCI-Expanded)

### **IX. APPLICATION OF BURNISHING PROCESS ON FRICTION STIR WELDING AND INVESTIGATION OF THE EFFECT OF BURNISHING PROCESS ON THE SURFACE ROUGHNESS, HARDNESS AND STRENGTH**

Basak H., Ozkan S., Taskesen A.

EXPERIMENTAL TECHNIQUES, vol.35, no.1, pp.8-16, 2011 (SCI-Expanded)

### **X. The effects of cutting speed and feed rate on BUE-BUL formation, cutting forces and surface roughness when machining AA6351 (T6) alloy**

Gokkaya H., TAŞKESEN A.

STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.54, pp.521-530, 2008 (SCI-Expanded)

### **XI. Comprehensive gearbox design using expert system techniques**

Basak H., TAŞKESEN A.

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.16, no.2, pp.157-164, 2008 (SCI-Expanded)

### **XII. Comprehensive design of rotating shafts and a software for designing and selecting of rolling-contact bearings**

Taskesen A., Mendi F., Kulekci M. K., Basak H.

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.15, no.3, pp.214-225, 2007 (SCI-Expanded)

### **XIII. The effects of a tool's chemical composition on its performance when turning inconel 718 with ceramic inserts**

Altin A., Taskesen A., Nalbant M., Seker U.

STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.53, no.6, pp.379-385, 2007 (SCI-Expanded)

### **XIV. The effects of cutting speed on tool wear and tool life when machining Inconel 718 with ceramic tools**

Altin A., Nalbant M., Taskesen A.

MATERIALS & DESIGN, vol.28, no.9, pp.2518-2522, 2007 (SCI-Expanded)

### **XV. Deformation analysis of boring bars using analytical and finite element approaches**

Taskesen A., Mendi F., Kisioglu Y., Kulekci M. K.

STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.52, no.3, pp.161-169, 2006 (SCI-Expanded)

### **XVI. Computer-aided shaft design and selection of rolling-contact bearings using an expert system**

Mendi F., Taskesen A., Kisioglu Y.

SIMULATION, vol.76, no.3, pp.151-159, 2001 (SCI-Expanded)

## **Articles Published in Other Journals**

### **I. Experimental Investigation On The Machinability of Iron Based Superalloys**

TAŞKESEN A., KAYIR Y., BIYIK O.

International Journal of Mechanical and Production Engineering (IJMPE), 2019 (Peer-Reviewed Journal)

### **II. Effect of sub-Zero Treatment on Ageing of Aluminium Composite**

Taşkesen A., Özdemir A. T., Aksoz S.

International Journal of Materials, Mechanics and Manufacturing, vol.6, no.1, pp.26-30, 2018 (Peer-Reviewed Journal)

### **III. Investigation of Drilling Parameters on Thrust Force on AZ91 Magnesium Alloy by Genetic Expression Programming**

ALDAŞ K., ÖZKUL İ., TAŞKESEN A., KAYIR Y.

Düzce University Journal of Science & Technology, vol.2, no.1, pp.169-177, 2014 (Peer-Reviewed Journal)

- IV. **Mekanik ve Makina Elemanları Derslerinin Öğretimi İçin Web Tabanlı Uzaktan Eğitim Ortamı Gelistirilmesi**  
TAŞKESEN A., Cihangir C.  
Teknolojik Araştırmalar: Makine Teknolojileri, vol.1, pp.17-31, 2008 (Peer-Reviewed Journal)
- V. **Computer Aided NonLinear Analysis of Machine Tool Vibrations and A Developed Computer Software**  
TAŞKESEN A., ERCAN Y.  
Journal of Mathematical and Computational Applications,, vol.10, no.3, pp.377-385, 2005 (Peer-Reviewed Journal)
- VI. **Bir Uzman Sistem Kullanarak Zımpara Taşı Seçimi**  
TAŞKESEN A., GÜLESİN M.  
Gazi Üniversitesi Fen Bilimleri Enstitüsü, pp.1-16, 2000 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **SolidWorks Çizim Modelleme Analiz**  
Faruk M., KİŞİOĞLU Y., TAŞKESEN A.  
Gazi Kitapevi, 2013
- II. **AutoCAD ile Çizim ve Modelleme**  
Mendi F., Taşkesen A., Toktaş İ., Eldem C.  
Gazi Kitapevi, Ankara, 2008

## Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental Investigation on the Machinability of iron based superalloys**  
TAŞKESEN A., Bıyık O., KAYIR Y.  
ISER 2016th International Conference, Kiev, Ukraine, 17 - 18 August 2019, pp.22-26
- II. **Effect of Sub Zero Treatment on Ageing of Aluminium Composite**  
Taşkesen A., Aksöz S., Özdemir A. T.  
2nd International Conference on Advances in Engineering Materials: ICAEM2016, Constanta, Romania, 29 June - 02 July 2016, pp.485-491
- III. **Modelling for Prediction of cutting forces and surface roughness in drilling magnesium alloy**  
TAŞKESEN A., KAYIR Y., ZÜMRÜT Y.  
21st International Scientific Conference, Mechanika 2016, Kaunas, Lithuania, 12 - 13 May 2016, vol.1, pp.265-271
- IV. **Modelling for prediction of cutting forces and surface roughness in drilling AZ31 magnesium alloys**  
TAŞKESEN A., KAYIR Y., ZÜMRÜT Y.  
Proceedings of 21st International Scientific Conference MECHANIKA 2016, Kaunas University of Technology, Lithuania, Kaunas, Lithuania, 12 - 13 May 2016, pp.265-271
- V. **Modelling for prediction of cutting forces and surface roughness in drilling AZ31 magnesium alloys**  
TAŞKESEN A., KAYIR Y., ZÜMRÜT Y.  
21st International Scientific Conference: Mechanika 2016, Kaunas, Lithuania, 12 May 2016, vol.1, pp.265-271

## Supported Projects

- TAŞKESEN A., Project Supported by Higher Education Institutions, Seramik Takviyeli Alüminyum Esaslı Kompozit Malzemelerin Delme Özelliklerinin Belirlenmesi, 2008 - 2011
- TAŞKESEN A., Project Supported by Higher Education Institutions, Mekanik Derslerinin Öğretimi için Bir Web Tabanlı Uzaktan Eğitim Ortamı Geliştirilmesi, 2006 - 2008

## **Activities in Scientific Journals**

GAZI UNIVERSITY JOURNAL OF SCIENCE, Editor, 2017 - 2018

## **Scientific Refereeing**

Project Supported by Higher Education Institutions, BAP Research Project, Gazi University, Turkey, April 2022

Project Supported by Higher Education Institutions, BAP Other, Gazi University, Turkey, July 2021

Project Supported by Higher Education Institutions, BAP Other, Gazi University, Turkey, July 2021

## **Metrics**

Publication: 30

Citation (WoS): 303

Citation (Scopus): 310

H-Index (WoS): 8

H-Index (Scopus): 6

## **Non Academic Experience**

TOBB Ekonomi ve Teknoloji Üniversitesi