

## **Assoc. Prof. AYHAN ETYEMEZ**

### **Personal Information**

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### **International Researcher IDs**

ScholarID: yM-nqWgAAAAJ

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ScopusID: 57189493172

Yoksis Researcher ID: 298831

### **Education Information**

Postgraduate, University of Sheffield, computer science, Business Management Technology Inovation, England 2015 - 2017

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Turkey 1995 - 2003

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Turkey 1993 - 1995

Undergraduate, Marmara University, Faculty of Technical Education, Machine Education, Turkey 1989 - 1993

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, CNC tezgahlarda dönel elemanların işlenmesinde yapay sinir ağları ile kesici takım seçimi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2003

### **Research Areas**

Construction and Manufacturing, Machining Methods, Engineering and Technology

### **Academic Titles / Tasks**

Associate Professor, Marmara University, Faculty of Technology, Mechanical Engineering, 2023 - Continues

Associate Professor, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Mechanical Engineering (Eng), 2003 - Continues

Assistant Professor, İstanbul University-Cerrahpaşa, Vocational School Of Technical Sciences, Department Of Materials And Materials Processing Technologies, 2019 - 2020

Assistant Professor, Sofya Teknik Üniversitesi, Engineering Faculty, Mechanical Engineering, 2013 - 2014

## **Academic and Administrative Experience**

Lise Koordinatörü, Marmara University, Rectorate, 2024 - Continues

Rector's Advisor, Marmara University, Rectorate, 2021 - Continues

Member of the Commission, Marmara University, Faculty of Technology, Mechanical Engineering, 2017 - Continues

Rector's Advisor, Marmara University, Rectorate, 2020 - 2021

## **Courses**

Teknik İngilizce, Undergraduate, 2023 - 2024

Hızlı Talaş Kaldırma Teknikleri, Postgraduate, 2023 - 2024

Talaşlı İmalat Teknikleri, Undergraduate, 2023 - 2024

Bilimsel Araştırma ve Sunum Yöntemleri, Postgraduate, 2023 - 2024

## **Advising Theses**

Ay M., Etyemez A., Magnezyum合金ının mikrofrezelenmesinde kesme şartlarının yüzey bütünlüğüne etkilerinin incelenmesi, Postgraduate, U.Aydın(Student), 2019

GİRİT O., ETYEMEZ A., Alüminyumun (Al7075) elmas benzeri karbon (DLC) kaplanmış parmak freze ile işlenmesinin deneysel incelenmesi, Postgraduate, Y.SEYMEN(Student), 2009

AY M., ETYEMEZ A., Plastik kalıp parlatma kafa sistemi tasarımı, Postgraduate, P.AYMERGEN(Student), 2009

AY M., ETYEMEZ A., Al 7075合金ının DLC kaplamalı kesici takımlarla CNC torna tezgahında işlenebilirliği, Postgraduate, T.KARAGÖL(Student), 2008

Etyemez A., Sertleştirilmiş kalıp çeliklerinin yüksek hızda işlenmesinde uygun kesme parametrelerinin seçimi, Postgraduate, A.Baran(Student), 2006

## **Jury Memberships**

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, October, 2023

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, July, 2023

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

### **I. Optimization of cutting forces and surface roughness via ANOVA and grey relational analysis in machining of In718**

Basmaci G., Kayacan M. Y., AY M., Etyemez A.

OPEN CHEMISTRY, vol.21, no.1, 2023 (SCI-Expanded)

### **II. Effects of welding parameters on the angular distortion of welded steel plates**

Dogan E., AY M., KURTULMUŞ M., Yukler A. I., Etyemez A.

OPEN CHEMISTRY, vol.20, no.1, pp.417-423, 2022 (SCI-Expanded)

### **III. Evaluating alloy-718 machinability values modelling by using response surface methodology**

Basmaci G., Babagiray M., AY M., Etyemez A.

INDIAN JOURNAL OF CHEMICAL TECHNOLOGY, vol.29, no.2, pp.188-194, 2022 (SCI-Expanded)

### **IV. Investigation of the effects of machining parameters on surface integrity in micromachining**

Etyemez A., Aydin U.

OPEN CHEMISTRY, vol.20, no.1, pp.212-224, 2022 (SCI-Expanded)

### **V. Structural, physical, and mechanical properties of the TiO<sub>2</sub> added hydroxyapatite composites**

Etyemez A.

- OPEN CHEMISTRY, vol.20, no.1, pp.272-276, 2022 (SCI-Expanded)
- VI. **Quality in turning of Inconel X-750 superalloy**  
Tasbasi M., AY M., Etyemez A.  
EMERGING MATERIALS RESEARCH, vol.9, no.4, pp.1154-1162, 2020 (SCI-Expanded)
- VII. **Examination of the effects of abrasive powder amount added to the minimum quantity-lubrication system on the cutting process**  
Ozcan A. E., AY M., Etyemez A.  
EMERGING MATERIALS RESEARCH, vol.9, no.2, pp.550-556, 2020 (SCI-Expanded)
- VIII. **Optimization of the effects of wire EDM parameters on tolerances**  
AY M., Etyemez A.  
EMERGING MATERIALS RESEARCH, vol.9, no.2, pp.527-531, 2020 (SCI-Expanded)
- IX. **Optimization of Drilling of Carbon Fiber Reinforced Polymer with the Grey-Based Method**  
Ay M., Basmaci G., Yoruk A. S., Etyemez A.  
ACTA PHYSICA POLONICA A, vol.137, no.4, pp.535-538, 2020 (SCI-Expanded)
- X. **Optimization of Effects of Cutting Parameters and Cutting Tool Path by using Grey Based Taguchi Method**  
Ay M., Etyemez A.  
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.125-128, 2018 (SCI-Expanded)
- XI. **The Grey-Based Taguchi Method: Optimization of Milling of Mold Steel**  
Basmaci G., Ay M., Etyemez A.  
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.24-27, 2018 (SCI-Expanded)
- XII. **Drilling performance of functionally graded composite: Comparison with glass and carbon/epoxy composites**  
Koklu U., Demir O., Avci A., Etyemez A.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, no.10, pp.4703-4709, 2017 (SCI-Expanded)
- XIII. **Optimization of Effects of Pocket Tool Path Strategies and Cutting Parameters on Surface Quality**  
Etyemez A.  
ACTA PHYSICA POLONICA A, vol.129, no.4, pp.886-889, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Milling of Magnesium Alloy with Micro Cutting Tools**  
AYDIN U., AY M., ETYEMEZ A.  
International Journal of Innovative Research and Reviews, vol.3, no.1, pp.30-34, 2019 (Peer-Reviewed Journal)
- II. **Optimum Tool Selection by Artificial Neural Networks Yapay Sinir Ağları Yöntemi ile Optimum Takım Seçimi**  
ETYEMEZ A., KURT M.  
El-Cezeri Journal of Science and Engineering, vol.6, no.2, pp.323-332, 2019 (Scopus)
- III. **Nano-akışkan Aşındırıcı Toz Miktarının Yüzey Kalitesine Etkilerinin İncelenmesi**  
Özcan A. E., AY M., ETYEMEZ A.  
International Periodical of Recent Technologies in Applied Engineering, vol.1, no.1, pp.1-10, 2019 (Peer-Reviewed Journal)
- IV. **Investigation of the Effects of DLC Cutting Tool and Machining Parameters on Surface Quality and Cutting Force**  
ETYEMEZ A.  
Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.16, pp.494-504, 2019 (Peer-Reviewed Journal)
- V. **A Study on the Effects of Milling Strategy on Surface Roughness**  
BARAN A., ETYEMEZ A.  
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.15, no.1, pp.125-130, 2019 (Peer-Reviewed Journal)
- VI. **Milling of Al 6060 Alloy with DLC Coated Cutting Tools**

- AY M., ETYEMEZ A.  
International Journal of Innovative Research and Reviews, vol.3, no.1, pp.25-29, 2019 (Peer-Reviewed Journal)
- VII. **Effect of Processing Parameters on Surface Integrity**  
AY M., ETYEMEZ A.  
INTERNATIONAL JOURNAL OF INNOVATION RESEARCH AND REVIEWS, vol.3, no.1, pp.16-20, 2019 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. **AL 7075 Alaşımın DLC Kaplamalı Kesici Takımlarla Frezelenmesi**  
AY M., ETYEMEZ A.  
6. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALARI KONGRESİ, Gaziantep, Turkey, 26 - 27 April 2019, vol.1, pp.317-327
- II. **KALIP ÇELİĞİNİN AL203TiCN KAPLI KESİCİ TAKIMLARLA İŞLENEBİLİRLİĞİNİN İNCELENMESİ**  
ETYEMEZ A., AY M., BASMACI G., çakır s.  
16th International Materials Symposium (IMSP2016), Denizli, Turkey, 12 - 14 October 2016, vol.1, pp.965-975
- III. **Fonksiyonel derecelendirilmiş kompozit malzemelerin talaşlı İşlenebilme performansı**  
KÖKLÜ U., KAYNAK Y., DEMİR O., ETYEMEZ A.  
6. Ulusal Talaşlı İmalat Sempozyumu (UTİS 2015), İstanbul, Turkey, 5 - 07 November 2015, vol.1, pp.198-206
- IV. **AŞINDIRICILI SUJETİ KESME PARAMETRELERİNİN KESİK EĞİMİNE ETKİLERİNİN İNCELENMESİ**  
ETYEMEZ A., AY M., AY İ.  
14th International Materials Symposium (IMSP2012), Denizli, Turkey, 10 - 12 October 2012, vol.1, pp.1-8
- V. **ALÜMİNYUMUN (AL 7075) ELMAS BENZERİ KARBON (DLC) KAPLANMIŞ PARMAK FREZE İLE İŞLENMESİNİN DENYESEL İŞLENMESİ**  
SEYMEN Y., GİRİT O., MUTLU B., ETYEMEZ A., BAKIR B.  
12th International Materials Symposium (IMSP'2008), Denizli, Turkey, 15 - 17 October 2008, vol.1, pp.114-122