

## Assoc. Prof. AYHAN ETYEMEZ

### Personal Information

Office Phone: [+90 216 777 1048](tel:+902167771048)

Other Email: [ayhan@ayhanetyemez.com](mailto:ayhan@ayhanetyemez.com)

Email: [ayhan.etyemez@marmara.edu.tr](mailto:ayhan.etyemez@marmara.edu.tr)

Web: <https://avesis.marmara.edu.tr/15233>

Address: Marmara Üniversitesi Rektörlük Binası 2.Kat Göztepe Kampüsü Kadıköy / İstanbul

### International Researcher IDs

ScholarID: yM-nqWgAAAAJ

ORCID: 0000-0001-8188-2743

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 ağı 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

### Postgraduate

Hızlı Talaş Kaldırma Teknikleri, Postgraduate, 2023 - 2024

Bilimsel Araştırma ve Sunum Yöntemleri, Postgraduate, 2023 - 2024

### Undergraduate

Bilgisayarla Bütünleşik İmalat Teknikleri, Undergraduate, 2023 - 2024

İş Planı ve Ticarileşme, Undergraduate, 2023 - 2024

Teknik İngilizce, Undergraduate, 2023 - 2024

Talaşlı İmalat Teknikleri, Undergraduate, 2023 - 2024

## Supervised Theses

Ay M., Etyemez A., Minimum Miktarda Yağlama Sistemine Katılan Aşındırıcı Toz Miktarının Kesme İşlemine Etkilerinin İncelenmesi, Postgraduate, A.EMRE(Student), 2019

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

Etyemez A., Al 2024-T4 alüminyumun elmas benzeri karbon (DLC) kaplanmış matkaplarla delinmesinde kesme parametrelerinin deneysel incelenmesi ve Taguchi Yöntemi'yle optimizasyonu, Postgraduate, L.KUTLU(Student), 2009

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

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

AY M., ETYEMEZ A., Al 7075 alaşım malzemesinin 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

Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, January, 2025

Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, January, 2025

Post Graduate, Post Graduate, Marmara Üniversitesi, June, 2024

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

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

Basmacı 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. **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)

- IV. **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)
- 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)
- VIII. **Nikken 3 Lock Tutucu Sistemi**  
ATAKÖK G., ETYEMEZ A.  
Makina & Metal Teknolojisi, no.122, pp.51-55, 2002 (Peer-Reviewed Journal)
- IX. **3 Lock Tutucu Sistemi**  
ATAKÖK G., ETYEMEZ A.  
Makina & Metal Teknolojisi, no.119, pp.36-37, 2001 (Peer-Reviewed Journal)

## **Papers Published in Refereed Scientific Meetings**

- I. **Al 7075 Alaşımın DLC Kaplamalı Kesici Takımlarla Frezelenmesi**  
AY M., ETYEMEZ A.  
6. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALARİ KONGRESİ, Gaziantep, Turkey, 26 - 27 April 2019, vol.1, pp.317-327
- II. **KALİP ÇELİĞİNİN AL203TİCN 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 işlenebilme 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 DENEYSEL 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

## **Memberships / Tasks in Scientific Organizations**

Mühendislik Araştırma Grubu (MAG), Executive Board Member, 2021 - 2024, Turkey