

## Assoc. Prof. Murat KIYAK

### Personal Information

**Office Phone:** [+90 212 383 2801](tel:+902123832801)

**Email:** [kiyak@yildiz.edu.tr](mailto:kiyak@yildiz.edu.tr)

**Other Email:** [muratkinyak.ytu.makine@gmail.com](mailto:muratkinyak.ytu.makine@gmail.com)

**Web:** <https://avesis.yildiz.edu.tr/kiyak>

**Address:** YILDIZ TEKNİK ÜNİVERSİTESİ MAKİNE MÜHENDİSLİĞİ BÖLÜMÜ BEŞİKTAŞ İSTANBUL

### International Researcher IDs

ScholarID: h1iWD0kAAAAJ

ORCID: 0000-0002-9906-8683

Publons / Web Of Science ResearcherID: AAC-7821-2021

ScopusID: 8377576200

Yoksis Researcher ID: 51489

### Research Areas

Mechanical Engineering, Construction and Manufacturing, Machine Design, Computer Aided Design and Manufacturing, Non-traditional manufacturing methods, Machining Methods, Engineering and Technology

### Academic and Administrative Experience

Internship Coordinator, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2008 - 2014

Deputy Head of Department, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2005 - 2010

Faculty Board Member, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 1998 - 2001

### Courses

İMALAT YÖNTEMLERİ 2, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

MAKİNE TEKNOLOJİSİ TARİHİ, Undergraduate, 2020 - 2021

TAKIM TEZGAHLARI, Undergraduate, 2017 - 2018

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

- I. **Determination of the actual deflection of the cutting tool in turning by the Castigliano theorem**  
Kiyak M., Kaner B.  
JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCIES, vol.16, no.4, pp.1-6, 2023 (SCI-Expanded)
- II. **Investigation of effects of cutting parameters on surface quality and hardness in the wire-EDM process**

Kıyak M.

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.119, no.1-2, pp.647-655, 2022  
(SCI-Expanded)

## Articles Published in Other Journals

- I. **Matkap Ucu Özelliğinin Delik Yüzey Kalitesine ve Delik Maliyetine Etkisi**  
Kıyak M.  
Metal Makina, no.269, pp.76-78, 2024 (Non Peer-Reviewed Journal)
- II. **A new trochoidal toolpath in milling operations**  
Kıyak M., Emiroğlu U., Baştekeli O.  
Journal of Thermal Engineering, vol.9, no.2, pp.356-365, 2023 (ESCI)

## Books & Book Chapters

- I. **Antik Çağlardan Günümüze Arkeoloji Verileri ile Makine Teknolojisi Tarihi**  
Kıyak M.  
Cinius Yayınları, İstanbul, 2019

## Patent

Kıyak M., Altan E., Emiroğlu U., DÖNEN DAİRESEL KESİCİ UÇ İÇEREN BİR TORNALAMA TAKIMI, Patent, CHAPTER F  
Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number:  
2016/16554 , Standard Registration, 2019

## Activities in Scientific Journals

International Journal of Mechanical Engineering and Applications, Editor, 2022 - Continues  
JOURNAL OF ADVANCES IN MANUFACTURING ENGINEERING, Editor, 2019 - Continues

## Memberships / Tasks in Scientific Organizations

T.C. SANAYİ ve TEKNOLOJİ BAKANLIĞI-KOSGEB, Member of Advisory Board, 2018 - 2019, Turkey  
T.C. Sanayi ve Teknoloji Bakanlığı TÜBİTAK - ÇPDK, Member of Advisory Board, 2018 - 2019, Turkey  
T.C. Sanayi ve Teknoloji Bakanlığı TÜBİTAK - ÇPDK, Member of Advisory Board, 2017 - 2018, Turkey  
T.C. Sanayi ve Teknoloji Bakanlığı TÜBİTAK - ARDEB, Member of Advisory Board, 2014 - 2015, Turkey  
T.C. Sanayi ve Teknoloji Bakanlığı TÜBİTAK - TEYDEB, Member of Advisory Board, 2013 - 2014, Turkey

## Scientific Refereeing

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, Journal Indexed in SCI-E, January 2022  
International Journal Of Advanced Manufacturing Technology, Journal Indexed in SCI-E, December 2021  
Proceedings Of The Institution Of Mechanical Engineers Part E-Journal Of Process Mechanical Engineering, SCI Journal,  
November 2021  
International Journal Of Advanced Manufacturing Technology, SCI Journal, November 2021  
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, SCI Journal, August 2021

EMERGING MATERIALS RESEARCH, SCI Journal, February 2021

Proceedings Of The Institution Of Mechanical Engineers Part E-Journal Of Process Mechanical Engineering, SCI Journal, January 2021

Journal Of The Faculty Of Engineering And Architecture Of Gazi University, SCI Journal, January 2021

## **Metrics**

Publication: 62

Citation (WoS): 294

Citation (Scopus): 437

H-Index (WoS): 7

H-Index (Scopus): 7

## **Congress and Symposium Activities**

8. ULUSLARARASI TALAŞLI İMALAT SEMPOZYUMU, Attendee, Antalya, Turkey, 2017

7. ULUSAL TALAŞLI İMALAT SEMPOZYUMU, Attendee, İstanbul, Turkey, 2016

6. ULUSAL TALAŞLI İMALAT SEMPOZYUMU, Attendee, Bursa, Turkey, 2015

## **Scholarships**

High Technology of Metal Works (JICA), Other Government Agencies, 1995 - 1996

## **Awards**

Kıyak M., Best Presentation Award, 2Nd International Conference On Advances In Science Icas 2017, September 2017

## **Non Academic Experience**

TÜBİTAK

TÜBİTAK

TÜBİTAK