

## Asst. Prof. İbrahim ŞAHİN

### Personal Information

**Office Phone:** [+90 212 383 2803](tel:+902123832803)

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

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

**Address:** Yıldız Teknik Üniversitesi Makine Mühendisliği Bölümü U Blok Beşiktaş-İstanbul

### Education Information

Doctorate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Makine Mühendisliği, Turkey  
1995 - 2004

Post Graduate, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 1991 - 1994

Under Graduate, Yıldız Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Turkey 1987 - 1991

### Research Areas

Mechanical Engineering, Construction and Manufacturing, Material, Plastic Forming Methods, Machining Methods,  
Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği Bölümü, 2018 -  
Continues

Assistant Professor, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği Bölümü, 2011 -  
2018

Research Assistant PhD, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği Bölümü,  
2004 - 2011

Research Assistant, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği Bölümü, 1993 -  
2004

### Professional Experience

Deputy Head of Department, Yıldız Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical  
Engineering, 2017 - 2020

### Courses

Bitirme Çalışması, Under Graduate, 2019 - 2020

Malzeme, Under Graduate, 2017 - 2018

Proje 1, Under Graduate, 2017 - 2018

Endüstriyel Malzemeler, Under Graduate, 2017 - 2018

Proje 2, Under Graduate, 2017 - 2018

Makine Tasarımı 1, Under Graduate, 2017 - 2018

Bitirme Çalışması, Under Graduate, 2017 - 2018  
Malzeme 2, Under Graduate, 2017 - 2018  
Malzeme 1, Under Graduate, 2017 - 2018  
Makine Tasarımı 2, Under Graduate, 2017 - 2018  
Genel Laboratuvar, Under Graduate, 2017 - 2018

## Jury Memberships

Doctoral Examination, Sözlü Sınav Jüri Üyeliği, Yıldız Teknik Üniversitesi Fen Bilimleri Enstitüsü, November, 2017

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Analysis of microstructures and mechanical properties of particle reinforced AlSi7Mg2 matrix composite materials**  
Şahin İ., Eker A.  
Journal of Materials Engineering and Performance, vol.20, pp.1090-1096, 2011 (Journal Indexed in SCI Expanded)
- II. **The dependence of tool overhang on surface quality and tool wear in the turning process**  
Kıyak M., Kaner B., Şahin İ., Aldemir B., Cakir O.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.51, pp.431-438, 2010 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Alüminyum Matrisli Kompozit Malzemelerin Matkap İle Delinmesi Konusunda Yapılan Çalışmaların İncelenmesi**  
ŞAHİN İ.  
Mühendis ve Makina, vol.55, pp.9-16, 2014 (Other Refereed National Journals)
- II. **Ultrasonik Test Yöntemi Yardımıyla SiCp Takviyeli Kompozit Malzemelerin Elastiklik Modülünün Belirlenmesi**  
Şahin İ., Akdoğan Eker A.  
Mühendis ve Makina, vol.50, pp.2-7, 2009 (Other Refereed National Journals)
- III. **Dairesel Profilli Dönen Kesici Takımlarla Tornalama**  
ŞAHİN İ., Altan E.  
Metal Makina, vol.14, pp.94-102, 2001 (National Non-Refereed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Cutting Fluids on Machining and Environmental Issues-A Review**  
Kıyak M., Çakır O., Şahin İ.  
5th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2018), İstanbul, Turkey, 12 - 16 October 2018, pp.152-159
- II. **Sultan II. Abdülhamid Döneminde Osmanlıda Teknoloji**  
Koyun A., Özer H., Şahin İ., Kıyak M.  
Vefatının 100. Yılında Sultan II. Abdülhamid ve Dönemi Uluslararası Kongresi, İstanbul, Turkey, 22 - 24 October 2018, pp.390-391
- III. **Environmental Progresses in Photochemical Machining**  
ÇAKIR O., KIYAK M., ŞAHİN İ.  
5th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2018),

Antalya, Turkey, 12 October 2018, pp.526

**IV. State-of-the-art milling process: trochoidal milling**

AYAN İ., ŞAHİN İ., KIYAK M.

2nd International Conference on Advances in Science ICAS2017, İstanbul, Turkey, 13 September 2017, pp.271-275

**V. INTERNAL COOLING CUTTING TOOL TECHNOLOGY IN TURNING OPERATIONS**

KIYAK M., ŞAHİN İ., ÇAKIR O.

1th INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, İstanbul, Turkey, 25 - 28 April 2017, pp.967-972

**VI. APPLICATION OF WIPER INSERT IN CUTTING TOOL TECHNOLOGY**

KIYAK M., ŞAHİN İ., ÇAKIR O.

INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE ICAS 2016, İstanbul, Turkey, 31 August - 02 September 2016, pp.60-65

**VII. HEATING TECHNIQUES IN HOT MACHINING**

ÇAKIR O., ŞAHİN İ.

INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE ICAS 2016, İstanbul, Turkey, 31 July - 02 September 2016, pp.238-246

**VIII. SiC Partikül Takviyeli AlSi7Mg2 Matriksli Kompozit Malzemelerin Talaşlı Şekillendirilmesinde Takım Aşınması ve Talaş Oluşumunun İncelenmesi**

ŞAHİN İ., AKDOĞAN EKER A.

11th International Materials Symposium, Denizli, Turkey, 19 - 21 April 2006, pp.169-173

**IX. Silisyum Karbür Takviyeli Al Si Kompozit Malzemelerin Bazı Özelliklerinin İncelenmesi**

ŞAHİN İ., AKDOĞAN EKER A.

4.Mühendislik ve Mimarlık Sempozyumu, Balıkesir, Turkey, 11 - 13 September 2002, pp.85-94

## Invited Congress and Symposium Activities

Vefatının 100. Yılında Sultan II. Abdülhamid ve Dönemi Uluslararası Kongresi, Attendee, İstanbul, Turkey, 2018

5th International Conference on Computational and Experimental Science and Engineering (ICCESEN-2018), Attendee, Antalya, Turkey, 2018

2nd International Conference on Advances in Science ICAS2017, Attendee, İstanbul, Turkey, 2017

International Conference on Energy and Thermal Engineering ICTE2017, Attendee, İstanbul, Turkey, 2017

1st International Conference on Advances in Science ICAS2016, Attendee, İstanbul, Turkey, 2016

11th International Materials Symposium, Attendee, Denizli, Turkey, 2006

4.Mühendislik ve Mimarlık Sempozyumu, Attendee, Balıkesir, Turkey, 2002

## Citations

Total Citations (WOS):20

h-index (WOS):2

## Awards

ŞAHİN İ., Best Presentation Award, 2nd International Conference on Advances in Science ICAS 2017, Eylül 2017, September 2017