

## Doç. Dr. HAMİT TEKİN

### Kişisel Bilgiler

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Posta Adresi: Hacettepe ÜNİVERSİTESİ Beytepe Kampüsü Makine Mühendisliği Bölümü

### Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 327350

### Biyografi

Hamit Tekin received his B.S. and M.S. degrees in Mechanical Engineering from Tabriz University. He completed his Ph.D. at Middle East Technical University in 2017. He currently holds the position of Associate Professor in the Department of Mechanical Engineering at Hacettepe University, Ankara. His research focuses on the mechanical characterization of fiber-reinforced composites and additive manufacturing technologies.

### Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, Türkiye 2011 - 2017

Yüksek Lisans, Tabriz University, Engineering, Mechanical Engineering, İran 2002 - 2005

Lisans, Tabriz University, Engineering, Mechanical Engineering, İran 1998 - 2002

### Yaptığı Tezler

Doktora, Design and manufacturing of electrically conductive composites via microvascular channels, Orta Doğu Teknik Üniversitesi, 2017

### Araştırma Alanları

Makina Mühendisliği, Konstrüksiyon ve İmalat, Geleneksel olmayan imalat yöntemleri, Mekanik, Mekanik Testler, Kompozitler, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2024 - Devam Ediyor

Doç. Dr., Türk Hava Kurumu Üniversitesi, 2023 - 2024

Dr. Öğr. Üyesi, Türk Hava Kurumu Üniversitesi, Engineering, Mechanical Engineering, 2018 - 2023

### Akademik İdari Deneyim

Bölüm Başkanı, Türk Hava Kurumu Üniversitesi, Engineering Faculty, Mechanical Engineering, 2024 - 2024  
Bölüm Başkanı, Türk Hava Kurumu Üniversitesi, Engineering Faculty, Mechatronic Engineering, 2023 - 2024  
Dekan Yardımcısı, Türk Hava Kurumu Üniversitesi, Engineering Faculty, 2022 - 2024  
Anabilim/Bilim Dalı Başkanı, Türk Hava Kurumu Üniversitesi, 2021 - 2024  
Sürekli Eğitim Merkezi Müdürü, Türk Hava Kurumu Üniversitesi, 2020 - 2022

## Verdiği Dersler

Machine Element II, Lisans, 2023 - 2024  
Ölçme ve Veri Değerlendirme, Lisans, 2023 - 2024

## Yönetilen Tezler

Sabuncuoğlu B., Tanabi H., TEKİN H., Investigation of stress distribution in glass fiber reinforced composite materials with microvascular channels under transverse loading and bending, Yüksek Lisans, A.GENCER(Öğrenci), 2019

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Experimental and numerical study on the ballistic performance of laminated ceramics**  
Cura M., Tanabi H., SABUNCUOĞLU B.  
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING, cilt.193, 2024 (SCI-Expanded)
- II. **Experimental and analytical investigation of the tensile behavior of 3D-printed composites based on micro-CT analysis**  
Şik A., Tanabi H., Çubukçu H. E., Sabuncuoğlu B.  
Journal of Thermoplastic Composite Materials, 2023 (SCI-Expanded)
- III. **Stress analysis of vascularized glass fiber composites exposed to bending loading**  
Tanabi H., Atasoy A. G., Demiral M., Sabuncuoğlu B.  
ADVANCED COMPOSITE MATERIALS, cilt.31, sa.2, ss.208-220, 2022 (SCI-Expanded)
- IV. **Investigation of the shear properties of 3D printed short carbon fiber-reinforced thermoplastic composites**  
Tanabi H.  
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, cilt.35, sa.11, ss.2177-2193, 2022 (SCI-Expanded)
- V. **Experimental and numerical investigation of transverse shear behavior of glass-fibre composites with embedded vascular channel**  
Demiral M., Tanabi H., SABUNCUOĞLU B.  
COMPOSITE STRUCTURES, cilt.252, 2020 (SCI-Expanded)
- VI. **Micro-CT analysis of deviations in fiber orientation and composite stiffness near the microvascular channels embedded in glass-fiber reinforced composites**  
SABUNCUOĞLU B., Tanabi H., Soete J., Lomov S.  
COMPOSITE STRUCTURES, cilt.237, 2020 (SCI-Expanded)
- VII. **Development of strain monitoring system for glass fiber reinforced composites via embedded electrically conductive pathways**  
Tanabi H., Erdal M.  
ADVANCED COMPOSITE MATERIALS, cilt.28, sa.6, ss.653-673, 2019 (SCI-Expanded)
- VIII. **Investigation of stress distributions in the resin rich region and failure behavior in glass fiber composites with microvascular channels under tensile loading**  
Al-Shawk A., Tanabi H., Sabuncuoglu B.  
COMPOSITE STRUCTURES, cilt.192, ss.101-114, 2018 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Investigation of the temperature effect on the mechanical properties of 3D printed composites**  
TEKİN H.  
International Advanced Researches and Engineering Journal, cilt.5, sa.2, ss.188-193, 2021 (Hakemli Dergi)
- II. **Real-time tool wear monitoring based on feed motor current in chuck- center mounting condition**  
TEKİN H., Babaei N., Babaei A.  
ADVANCED MATERIALS RESEARCH, cilt.341, ss.307-312, 2011 (Scopus)
- III. **investigation of Grinding Surface Temperature: Experimental Measurements and Numerical Modeling**  
Babaei N., Babaei A., TEKİN H.  
ADVANCED MATERIALS RESEARCH, cilt.341, ss.147-151, 2011 (Scopus)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **CHARACTERIZATION OF 3D PRINTED SHORT GLASS FIBER REINFORCED POLYMERS AT VARIOUS TEMPERATURE**  
TEKİN H.  
Uluslararası Mühendislik Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, Türkiye, 23 - 24 Şubat 2021
- II. **Flexural Properties of Glass Fiber Reinforced Laminates with Embedded Vasculature**  
TEKİN H.  
The 9th International Scientific Research Congress, Ankara, Türkiye, 12 Aralık 2020
- III. **Evaluation of machinability of alloy ductile iron in term of thrust drilling force**  
TEKİN H.  
8th International Symposium on Innovative Technologies in Engineering and Science, Bursa, Türkiye, 23 Ekim 2020, cilt.3, ss.91-97
- IV. **Micro-CT measurement of fiber disturbance and composite stiffness: Application to in glass-fiber reinforced composites with embedded microvascular channels**  
TEKİN H., SABUNCUOĞLU B., Soete J., Lomov S.  
Euromech Colloquium 602, Lyon, Fransa, 13 - 15 Mart 2019
- V. **The effect of manufacturing parameters on the stress concentrations in composites with micro-vascular channels under transverse loading**  
Al Shawk A., TEKİN H., SABUNCUOĞLU B.  
4th International Conference on Mechanics of Composites, İspanya, 09 Temmuz 2018
- VI. **DESIGN AND MANUFACTURING OF ELECTRICALLY CONDUCTIVE COMPOSITES VIA MICROVASCULAR CHANNELS**  
TEKİN H., ERDAL ERDOĞMUŞ M.  
4th International Conference on Mechanics of Composites, İspanya, 9 - 12 Temmuz 2018
- VII. **Resin Transfer Molding of Particle-Filled, Continuous-Fiber Reinforced Composites**  
TEKİN H., Aydil T., ERDAL ERDOĞMUŞ M.  
American Society for Composites 29th Technical Conference, 16th USJapan Conference on Composite Materials, ASTM-D30 Meeting, Amerika Birleşik Devletleri, 08 Eylül 2014
- VIII. **PARTICLE DEPOSITION IN RESIN TRANSFER MOLDING OF ADVANCED COMPOSITES**  
Aydil T., TEKİN H., ERDAL ERDOĞMUŞ M.  
The 16th International Conference on Machine Design and Production (UMTIK 2014), İzmir, Türkiye, 30 Haziran 2014
- IX. **Experimental Investigation of Particle-Filler Distribution in Continuous Fiber-Reinforced Composites Produced via Liquid Molding**  
Aydil T., TEKİN H., ERDAL ERDOĞMUŞ M.  
28th Technical Conference of the American-Society-for-Composites, Amerika Birleşik Devletleri, 11 Eylül 2013

## **Metrikler**

Yayın: 23

Atıf (WoS): 6

Atıf (Scopus): 195

H-İndeks (WoS): 1

H-İndeks (Scopus): 6