

## Assoc. Prof. SEZER ÖZERİNÇ

### Personal Information

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### International Researcher IDs

ScholarID: QM3YtR4AAAAJ

ORCID: 0000-0002-0733-1705

Publons / Web Of Science ResearcherID: P-1276-2017

ScopusID: 35752517600

Yoksis Researcher ID: 248054

### Education Information

Doctorate, University of Illinois at Urbana-Champaign, Makine Mühendisliği, United States Of America 2010 - 2015

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Makine Mühendisliği (YI) (Tezli), Turkey 2008 - 2010

Undergraduate, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, Turkey 2004 - 2008

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Microscale mechanical characterization of materials for extreme environments, University Of Illinois At Urbana-Champaign, Makine Mühendisliği, 2015

Postgraduate, Heat transfer enhancement with nanofluids, Middle East Technical University, Graduate School of Natural and Applied Sciences, Makine Mühendisliği (YI) (Tezli), 2010

### Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Plating, Mechanical Metallurgy, Nanomaterials, Structure-Property Relationship, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering, 2021 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering,

2018 - Continues

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Mechanical Engineering,  
2016 - 2018

## Academic and Administrative Experience

Assistant Manager of Research and Application Center, Middle East Technical University, Presidency Office, ODTÜ Merkez  
Laboratuvarı, 2017 - 2018

## Courses

Mechanical Characterization of Materials, Undergraduate, 2019 - 2020

Machine Elements II, Undergraduate, 2018 - 2019

## Advising Theses

ÖZERİNÇ S., Mechanical behaviour of polymeric lattice structures produced by additive manufacturing, Postgraduate,  
Ş.GÜRAY(Student), 2022

ÖZERİNÇ S., Impact absorbing lattice structures produced by additive manufacturing, Postgraduate,  
R.NESHANI(Student), 2022

ÖZERİNÇ S., Effect of annealing on the mechanical properties of PLA parts produced by fused filament fabrication,  
Postgraduate, S.AYDIN(Student), 2021

ÖZERİNÇ S., Characterization of novel materials for fused filament fabrication, Postgraduate,  
A.ABDULRAHMAN(Student), 2021

ÖZERİNÇ S., Mechanical behavior of additively manufactured polymer composite structures and interfaces, Postgraduate,  
M.KEPENEKÇİ(Student), 2021

ÖZERİNÇ S., Development of Nanostructured Metallic Glasses with High Toughness, Postgraduate, A.BAGHERI(Student),  
2021

ÖZERİNÇ S., Development of high fracture toughness hard coatings, Doctorate, B.KAYGUSUZ(Student), 2021

ÖZERİNÇ S., Mechanical properties of repaired carbon fiber reinforced polymer composites, Doctorate,  
E.EVREN(Student), 2021

Kalay Y. E., Özerinç S., Micromechanical characterization of metallic glass — crystalline nanocomposite coatings,  
Postgraduate, M.ABBOUD(Student), 2018

Kalay Y. E., Özerinç S., Experimental investigation of the mechanical properties of nanolayered metals, Postgraduate,  
A.TUNCAY(Student), 2018

## Jury Memberships

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi,  
July, 2020

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

1. **Effect of nanoheterogeneities on the fracture toughness and tensile ductility of CuTa metallic glass thin films**

Behboud A. B., Fadaie A., Motallebzadeh A., ŞEHİRLİ S., ÖZERİNÇ S.

- Journal of Alloys and Compounds, vol.979, 2024 (SCI-Expanded)
- II. **Fracture toughness of AlTiN coatings investigated by nanoindentation and microcantilever bending**  
Kaygusuz B., Motallebzadeh A., Karadayı Ö., Kazmanlı M. K., ÖZERİNÇ S.  
Thin Solid Films, vol.790, 2024 (SCI-Expanded)
  - III. **Nanomechanical properties of Al-Tb marginal metallic glass**  
OKUYUCU C., Uluca T. H., Abboud M., Motallebzadeh A., ÖZERİNÇ S., Kalay İ., KALAY Y. E.  
Materials Science and Engineering: A, vol.888, 2023 (SCI-Expanded)
  - IV. **Mechanical performance of carbon fiber-reinforced polymer cellular structures manufactured via fused filament fabrication**  
Kepenekci M., Gharehpapagh B., Yaman U., Özerinç S.  
Polymer Composites, vol.44, no.8, pp.4654-4668, 2023 (SCI-Expanded)
  - V. **Failure behavior of on-site repaired CFRP laminates**  
Sonat E., Bakır M., ÖZERİNÇ S.  
Composite Structures, vol.311, 2023 (SCI-Expanded)
  - VI. **Tunable mechanical properties of thermoplastic foams produced by additive manufacturing**  
Alduais A., ÖZERİNÇ S.  
Express Polymer Letters, vol.17, no.3, pp.317-333, 2023 (SCI-Expanded)
  - VII. **Nanoheterogeneous ZrTa metallic glass thin films with high strength and toughness**  
Behboud A. B., Motallebzadeh A., ÖZERİNÇ S.  
Journal of Alloys and Compounds, vol.901, 2022 (SCI-Expanded)
  - VIII. **Understanding mechanical failure of graphite rocket nozzle throats under thermal stresses**  
Nigar B., Dönmez S., Çöker D., Özerinç S.  
Aerospace Science and Technology, vol.119, 2021 (SCI-Expanded)
  - IX. **Micromechanical Characterization of Additively Manufactured Ti-6Al-4V Parts Produced by Electron Beam Melting**  
ÖZERİNÇ S., Kaygusuz B., KAŞ M., Motallebzadeh A., Nesli S., Duygulu O., YILMAZ O.  
JOM, vol.73, no.10, pp.3021-3033, 2021 (SCI-Expanded)
  - X. **Microstructure and nanomechanical behavior of sputtered CuNb thin films**  
Abboud M., Motallebzadeh A., Duygulu Ö., Maaß R., ÖZERİNÇ S.  
Intermetallics, vol.136, 2021 (SCI-Expanded)
  - XI. **Mechanical properties of thermoplastic parts produced by fused deposition modeling: a review**  
Bakir A. A., Atik R., ÖZERİNÇ S.  
RAPID PROTOTYPING JOURNAL, vol.27, no.3, pp.537-561, 2021 (SCI-Expanded)
  - XII. **Failure behavior of scarf-bonded woven fabric CFRP laminates**  
Sonat E., ÖZERİNÇ S.  
Composite Structures, vol.258, 2021 (SCI-Expanded)
  - XIII. **Effect of fused deposition modeling process parameters on the mechanical properties of recycled polyethylene terephthalate parts**  
Bakir A. A., Atik R., ÖZERİNÇ S.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.3, 2021 (SCI-Expanded)
  - XIV. **Improving the ductility of polylactic acid parts produced by fused deposition modeling through polyhydroxyalkanoate additions**  
Kaygusuz B., ÖZERİNÇ S.  
Journal of Applied Polymer Science, vol.136, no.43, 2019 (SCI-Expanded)
  - XV. **Size-independent strength of amorphous-HCP crystalline metallic nanolayers**  
Abboud M., Özerinç S.  
JOURNAL OF MATERIALS RESEARCH, vol.34, pp.2275-2284, 2019 (SCI-Expanded)
  - XVI. **Nanoscratch Behavior of Metallic Glass/Crystalline Nanolayered Composites**  
Abboud M., Motallebzadeh A., Verma N., Özerinç S.  
JOM, vol.71, pp.593-601, 2019 (SCI-Expanded)
  - XVII. **High strength metallic wood from nanostructured nickel inverse opal materials**

- Pikul J. H., ÖZERİNÇ S., Liu B., ZHANG R., BRAUN P. V., Deshpande V. S., KING W. P.  
SCIENTIFIC REPORTS, vol.9, 2019 (SCI-Expanded)
- XVIII. **Effect of Sm on thermal and mechanical properties of Cu-Zr-Al bulk metallic glasses**  
Sikan F., Atabay S. E., Motallebzadeh A., Özerinç S., Kalay I., Kalay Y. E.  
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.743, pp.168-174, 2019 (SCI-Expanded)
- XIX. **Experimental measurements of interfacial strength at the nanoscale Nanoölçekteki arayüzeylerin kayma dayanımlarının deneysel olarak ölçülmesi**  
Özerinç S.  
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.34, pp.1645-1652, 2019 (SCI-Expanded)
- XX. **In situ Measurements of Irradiation-Induced Creep of Nanocrystalline Copper at Elevated Temperatures**  
ÖZERİNÇ S., AVERBACK R. S., KING W. P.  
JOM, vol.68, no.11, pp.2737-2741, 2016 (SCI-Expanded)
- XXI. **Direct measurements of irradiation-induced creep in micropillars of amorphous Cu<sub>56</sub>Ti<sub>38</sub>Ag<sub>6</sub>, Zr<sub>52</sub>Ni<sub>48</sub>, Si, and SiO<sub>2</sub>**  
Ozerinc S., KİM H. J., Averback R. S., King W. P.  
JOURNAL OF APPLIED PHYSICS, vol.117, no.2, 2015 (SCI-Expanded)
- XXII. **Effect of irradiation damage on the shear strength of Cu-Nb interfaces**  
MAO S., Ozerinc S., King W. P., Averback R. S., Dillon S. J.  
SCRIPTA MATERIALIA, pp.29-32, 2014 (SCI-Expanded)
- XXIII. **In situ creep measurements on micropillar samples during heavy ion irradiation**  
Ozerinc S., Averback R. S., King W. P.  
JOURNAL OF NUCLEAR MATERIALS, vol.451, pp.104-110, 2014 (SCI-Expanded)
- XXIV. **Numerical analysis of laminar forced convection with temperature-dependent thermal conductivity of nanofluids and thermal dispersion**  
Ozerinc S., YAZICIOGLU A., Kakac S.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.62, pp.138-148, 2012 (SCI-Expanded)
- XXV. **Grain boundary doping strengthens nanocrystalline copper alloys**  
Ozerinc S., TAİ K., Vo N. Q., BELLON P., Averback R. S., King W. P.  
SCRIPTA MATERIALIA, vol.67, pp.720-723, 2012 (SCI-Expanded)
- XXVI. **Enhanced thermal conductivity of nanofluids: a state-of-the-art review**  
Özerinç S., Kakac S., Yazicioglu A.  
MICROFLUIDICS AND NANOFUIDICS, vol.8, no.2, pp.145-170, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Strengthening of nanocrystalline Al using grain boundary solute additions: Effects of thermal annealing and ion irradiation**  
Kim S. E., Verma N., Oezerinc S., Jana S., Das S., Bellon P., Averback R. S.  
MATERIALIA, vol.26, 2022 (ESCI)
- II. **Mechanical properties of nylon parts produced by fused deposition modeling**  
Hasçelik S., Öztürk Ö. T., ÖZERİNÇ S.  
International Journal of Modern Manufacturing Technologies, vol.13, no.2, pp.34-38, 2021 (Scopus)
- III. **FINITE ELEMENT ANALYSIS OF NANOINDENTATION ON NANOLAMINATED MATERIALS**  
Özerinç S.  
Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.19, no.4, pp.991-1000, 2018 (Peer-Reviewed Journal)
- IV. **3 Boyutlu Yazıcı ile Üretilen PLA Bazlı Yapıların Mekanik Özelliklerinin İncelenmesi**

Kaygusuz B., Özerinç S.

Makina Tasarım ve İmalat Dergisi, vol.16, no.1, pp.1-6, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

### I. Al-Sm Alloys Under Far-From-Equilibrium Conditions

Okuyucu C., Kaygusuz B., Işıksaçan C., Meydanoğlu O., Motallebzadeh A., Özerinç S., Kalay Y. E.

in: Light Metals 2021, Linus Perander, Editor, Springer Nature, Zürich, pp.85-91, 2021

### II. Thermophysical Properties of Nanofluids

ÖZERİNÇ S., GÜVENÇ YAZICIOĞLU A., KAKAÇ S.

in: Microscale and Nanoscale Heat Transfer Analysis Design and Application, Rebay Mourad, Kakaç Sadık, Cotta Renato M., Editor, CRC Press, New York, pp.125-154, 2016

### III. Thermophysical Properties of Nanofluids

ÖZERİNÇ S., KAKAÇ S., GÜVENÇ YAZICIOĞLU A.

in: Microscale and Nanoscale Heat Transfer Analysis Design and Application, Mourad Rebay, Sadık Kakaç, Renato M. Cotta, Editor, CRC Press, Boca Raton, Florida, pp.125-154, 2016

## Refereed Congress / Symposium Publications in Proceedings

### I. ABS-Fly Ash Composite Filaments for Fused Deposition Modeling

Alduais A., Kazanç Özerinç F., Bayram G., Özerinç S.

2nd International Conference on Recent Advances in Manufacturing, RAM 2021, Surat, India, 10 - 12 June 2021, pp.85-95

### II. Characterization of Reactive Metallic Nanolayers through High-speed Imaging

Behboud A. B., Kazanç Özerinç F., Özerinç S.

TMS 2021 Annual Meeting & Exhibition, Pennsylvania, United States Of America, 15 March - 18 April 2021, pp.1

### III. Probing the Mechanical Behavior of Irradiated Materials through Micromechanical Testing

Özerinç S.

TMS 2020 Annual Meeting & Exhibition, California, United States Of America, 15 - 18 March 2021, pp.1

### IV. Al-Sm Alloys Under Far-From-Equilibrium Conditions

Okuyucu C., Kaygusuz B., Işıksaçan C., Meydanoğlu O., Motallebzadeh A., Özerinç S., Kalay Y. E.

Light Metals Symposium held at the TMS Annual Meeting and Exhibition, 2021, Pennsylvania, United States Of America, 15 - 18 March 2021, vol.6, pp.85-91

### V. Mechanical Behavior of Metallic Glass / HCP Crystalline Nanolayers

Abboud M., Motallebzadeh A., Özerinç S.

TMS 2020 Annual Meeting & Exhibition, California, United States Of America, 23 - 27 February 2020, pp.1

### VI. Nanolayered Metallic Glass-crystalline Composites with High Strength and Wear Resistance

Özerinç S.

TMS 2020 Annual Meeting & Exhibition, California, United States Of America, 23 - 27 February 2020, pp.1

### VII. MECHANICAL PROPERTIES OF 3D PRINTED PARTS MADE OF RECYCLED POLYMERS

Bakır A. A., Atik R., Özerinç S.

AMCTURKEY Additive Manufacturing Conference 2019, İstanbul, Turkey, 17 - 18 October 2019, pp.1-2

### VIII. Mechanical Behavior of Metallic Glass / HCP Nanolayered Coatings

Özerinç S., Abboud M., Motallebzadeh A.

European Congress and Exhibition on Advanced Materials and Processes, Stockholm, Sweden, 1 - 05 September 2019

### IX. Effect of Repair Processes on the Mechanical Properties of Composites used in Aerospace Applications

Sonat E., Oğuz F., Özerinç S.

The 1st International Workshop on Plasticity, Damage and Fracture of Engineering Materials, Ankara, Turkey, 22 - 23 August 2019

- X. **Understanding Plasticity of Nanostructured Metals through Advanced Micromechanical Testing**  
Özerinç S.  
The 1st International Workshop on Plasticity, Damage and Fracture of Engineering Materials, Ankara, Turkey, 22 - 23 August 2019
- XI. **Finite Element Analysis of Interfacial Shear Strength Measurements Performed on Nanolayered Metals**  
Kepenekci M., Özerinç S.  
The 1st International Workshop on Plasticity, Damage and Fracture of Engineering Materials, Ankara, Turkey, 22 - 23 August 2019
- XII. **Size-Independent High Strength of CuTi/Ti Metallic Glass/Crystalline Nanolayers**  
Abboud M., Motallebzadeh A., Özerinç S.  
46th International Conference on Metallurgical Coatings and Thin Films, California, United States Of America, 19 - 24 May 2019, pp.1
- XIII. **Metallic Glass/Crystalline Nanolayered Coatings with High Nanoscratch Resistance and Damage Tolerance**  
Abboud M., Motallebzadeh A., Özerinç S.  
46th International Conference on Metallurgical Coatings and Thin Films, California, United States Of America, 19 - 24 May 2019, pp.1
- XIV. **A Combinatorial Investigation of Cu-Nb Metallic Glass Thin Films**  
Abboud M., Motallebzadeh A., Özerinç S.  
TMS Annual Meeting & Exhibition 2019, Texas, United States Of America, 10 - 14 March 2019, pp.1
- XV. **Mechanical Properties of PLA/PHA Blends for Fused Deposition Modeling Applications**  
Kaygusuz B., Özerinç S.  
1st International Conference on Advances in Mechanical and Mechatronics Engineering, Ankara, Turkey, 8 - 09 November 2018, pp.1
- XVI. **Effects of Annealing on the Structure and Mechanical Properties of 3D Printed PLA Components**  
Aydın S., Yaman U., Özerinç S.  
First International Conference on Advances in Mechanical and Mechatronics Engineering, Ankara, Turkey, 8 - 09 November 2018
- XVII. **Mechanical properties of layered metallic glass – crystalline metal nanocomposites**  
Abboud M., Motallebzadeh A., Özerinç S.  
19th International Metallurgy and Materials Congress, İstanbul, Turkey, 25 - 27 October 2018, pp.1
- XVIII. **Advanced micromechanical characterization techniques for understanding materials behavior at the nanoscale**  
Özerinç S., Abboud M., Motallebzadeh A., Kalay Y. E.  
19th International Metallurgy and Materials Congress, İstanbul, Turkey, 25 - 27 October 2018, pp.1
- XIX. **Probing the Mechanical Behavior of Nanostructured Materials Through Micropillar Compression Experiments**  
Alpkaya A. T., Motallebzadeh A., Özerinç S.  
19th International Metallurgy and Materials Congress, İstanbul, Turkey, 25 - 27 October 2018, pp.1
- XX. **Mechanical and Microstructural Evolution of Solid Graphite Rocket Nozzle Throats in Extreme Temperature and Pressure Conditions**  
Kaygusuz B., Nigar B., ÜNLÜSOY L., ÇÖKER D., ÖZERİNÇ S.  
19th International Metallurgy and Materials Congress, İstanbul, Turkey, 25 - 27 October 2018
- XXI. **Effect of Sm on Mechanical Properties of Cu-Zr-Al Bulk Metallic Glasses**  
Sıkan F., Kalay İ., Özerinç S., Kalay Y. E.  
Materials Science & Technology 2018, Ohio, United States Of America, 14 - 18 October 2018, pp.1
- XXII. **Multilayered Metallic Glass-Crystalline Nanocomposites with Improved Wear Resistance**  
Abboud M., Artvin Z., Motallebzadeh A., Özerinç S.

- TMS Annual Meeting & Exhibition 2018, Arizona, United States Of America, 11 - 15 March 2018, pp.1
- XXIII. **Strengthening in Multilayered Cu-Nb through Alloying**  
ÖZERİNÇ S., VERMA N., AVERBACK R.  
2017 MRS Fall Meeting, Boston, United States Of America, 26 November - 01 December 2017
- XXIV. **Solid Solution Strengthening in Nanolayered Metals**  
Alpkaya A. T., Motallebzadeh A., Özerinç S.  
NanoTR-13 Conference, Turkey, 22 - 25 October 2017, pp.1
- XXV. **Effects of Annealing and Heavy Ion Irradiation on the Mechanical Properties of AlSc Alloys**  
VERMA N., ÖZERİNÇ S., AVERBACK R., KİM S.  
2017 MRS Spring Meeting, Phoenix, United States Of America, 17 - 21 April 2017
- XXVI. **Effect of Sm Micro-alloying on the mechanical behavior and crystallization kinetics of Cu-Zr-Al BMGs**  
Sıkan F., Kalay İ., Özerinç S., Kalay Y. E.  
TMS Annual Meeting & Exhibition, California, United States Of America, 26 February - 02 March 2017, pp.1
- XXVII. **Micromechanical Testing of High Strength Copper Niobium Nanostructures**  
ÖZERİNÇ S., MAO S., TAI K., VO N., BELLON P., DİLLON S., AVERBACK R., KİNG W.  
12th Nanoscience and Nanotechnology Conference, Kocaeli, Turkey, 3 - 05 June 2016
- XXVIII. **In Situ Irradiation Induced Creep Measurements on Micropillar Specimens at Elevated Temperatures**  
ÖZERİNÇ S., AVERBACK R., KİNG W.  
2016 TMS Annual Meeting & Exhibition, Nashville, Tennessee, United States Of America, 14 - 18 February 2016
- XXIX. **MICRO ARCHITECTED POROUS MATERIAL WITH HIGH STRENGTH AND CONTROLLABLE STIFFNESS**  
Pikul J. H., Ozerinc S., ZHANG R., Braun P. V., King W. P.  
29th IEEE International Conference on Micro Electro Mechanical Systems (MEMS), Shanghai, China, 24 - 28 January 2016, pp.451-454
- XXX. **Measurements of Irradiation-Induced Creep in Amorphous Materials using In Situ Micropillar Compression**  
ÖZERİNÇ S., Kim H. J., Averback R., King W.  
2015 MRS Spring Meeting Exhibit, San-Francisco, Costa Rica, 6 - 10 April 2015
- XXXI. **In Situ Measurement of Heavy-ion-irradiation-induced Plastic Flow of Amorphous CuTiAg Micropillars**  
ÖZERİNÇ S., Averback R., King W.  
TMS 2014: Annual Meeting Exhibition, San Diego, United States Of America, 16 - 20 February 2014
- XXXII. **Grain boundary strengthening in dilute nanocrystalline Cu alloys**  
ÖZERİNÇ S., Tai K., Vo N., Averback R., Bellon P., Dillon S., King W.  
2011 MRS Fall Meeting, Boston, United States Of America, 28 November - 02 December 2011
- XXXIII. **HEAT TRANSFER ENHANCEMENT IN LAMINAR CONVECTIVE HEAT TRANSFER WITH NANOFLUIDS**  
ÖZERİNÇ S., Kakac S., YAZICIOGLU A. G.  
International Symposium on Thermal and Materials Nanoscience and Nanotechnology (TMNN), Antalya, Turkey, 29 May - 03 June 2011
- XXXIV. **Convective heat transfer enhancement with nanofluids: The effect of temperature-variable thermal conductivity**  
ÖZERİNÇ S., Yazicioğlu A. G., Kakaç S.  
ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, ESDA2010, İstanbul, Turkey, 12 - 14 July 2010, vol.2, pp.719-731

## Supported Projects

ÖZERİNÇ S., FADAIE A., Project Supported by Higher Education Institutions, Eklemeli İmalat Yüzeylerinin Aşınma Direncini Artırmaya Yönelik Kaplamaların Kırılma Tokluğunun Mikromekanik Ölçümlerle İncelenmesi, 2022 - 2023  
ÖZERİNÇ S., KARAKAYA İ., Project Supported by Higher Education Institutions, Polimer Eklemeli İmalatı ve Elektrokaplama Kullanılarak Üstün Mekanik Özelliklere Sahip Kompozit Yapıların Üretilmesi, 2022 - 2023

ÖZERİNÇ S., SONAT E. E., Project Supported by Higher Education Institutions, Karbon Fiber Takviyeli Kompozit Yapılarda Kullanılan Tamir Parametrelerinin Mekanik Özelliklere Etkisinin İncelenmesi, 2021 - 2022  
KAZANÇ ÖZERİNÇ F., ÖZERİNÇ S., KAYGUSUZ B., FATHİPOUR S., Project Supported by Higher Education Institutions, Reaktif Metalik Nanokatmanların Yanma Davranışlarının İncelenmesi, 2020 - 2021  
ÖZERİNÇ S., ALPKAYA A. T., Project Supported by Higher Education Institutions, Bakır-Titanyum Nanokompozitlerinin Mekanik Özelliklerinin İncelenmesi, 2018 - 2019  
ÖZERİNÇ S., TUBITAK Project, Nanokatmanlı Metallerin Mekanik Özelliklerinin Mikrobasma Ölçümleriyle İncelenmesi, 2017 - 2019  
ÖZERİNÇ S., KALAY Y. E., Abboud M., Project Supported by Higher Education Institutions, Zr-Cu-Al Metalik Camlarının Mekanik Özelliklerinin İncelenmesi, 2017 - 2019  
ÖZERİNÇ S., Project Supported by Higher Education Institutions, Metalik Cam İçeren Nanokompozit Kaplamaların Aşınma ve Sertlik Özelliklerinin İncelenmesi, 2016 - 2019  
ÖZERİNÇ S., ALPKAYA A. T., Project Supported by Higher Education Institutions, Metalik Nanokatmanlı İnce Filmlerin Üretimi ve Mekanik Karakterizasyonu, 2017 - 2017  
ÖZERİNÇ S., TURAN E., NİGAR B., Pınar A. Ç., ERGÜL K., TEMEL S., Project Supported by Higher Education Institutions, Mikroyapıların Mekanik Davranışlarının Sonlu Elemanlar Analizi ile İncelenmesi, 2017 - 2017

### **Activities in Scientific Journals**

Makina Tasarım ve İmalat Dergisi, Assistant Editor/Section Editor, 2016 - Continues

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

Materials Research Society, Member, 2018 - Continues  
Makine Tasarım Ve İmalat Derneği, Board Member, 2016 - Continues  
The Minerals, Metals & Materials Society, Member, 2014 - Continues

### **Scientific Refereeing**

JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, July 2021  
JOURNAL OF MICROMECHANICS AND MICROENGINEERING, Journal Indexed in SCI-E, December 2020  
JOURNAL OF MATERIALS SCIENCE, Journal Indexed in SCI-E, September 2020  
JOURNAL OF APPLIED POLYMER SCIENCE, Journal Indexed in SCI-E, July 2020  
JOURNAL OF APPLIED POLYMER SCIENCE, Journal Indexed in SCI-E, June 2020  
JOURNAL OF APPLIED POLYMER SCIENCE, Journal Indexed in SCI-E, April 2020  
Project Supported by Other Official Institutions, Middle East Technical University, Turkey, March 2020  
Materials Science And Technology, Journal Indexed in SCI-E, January 2020  
JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, November 2019  
JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, November 2019  
MATERIALS RESEARCH EXPRESS, Journal Indexed in SCI-E, September 2019  
MATERIALS RESEARCH EXPRESS, Journal Indexed in SCI-E, July 2019  
JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, June 2019  
JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, May 2019  
JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, April 2019  
JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, April 2019  
JOURNAL OF APPLIED POLYMER SCIENCE, SCI Journal, March 2019  
Project Supported by Other Official Institutions, Middle East Technical University, Turkey, September 2018  
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, SCI Journal, March 2018



## Metrics

Publication: 77

Citation (WoS): 708

Citation (Scopus): 943

H-Index (WoS): 9

H-Index (Scopus): 11

## Invited Talks

Advanced Materials for Additive Manufacturing of Polymeric Structural Parts, Seminar, Türk Eklemeli İmalat Birliđi, Turkey, December 2020

Nanomalzemelerin Mekanik Özellikleri ve Yeni Nesil Mikromekanik Ölçüm Teknikleri, Seminar, TÜBİTAK MAM, Turkey, August 2018

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## Awards

Özerinç S., TÜBİTAK U2020 Eşik Üstü Ödülü, Tübitak, March 2018

Özerinç S., TÜBİTAK U2020 Eşik Üstü Ödülü, Tübitak, September 2017

Özerinç S., Marie Skłodowska-Curie Actions Seal of Excellence, European Union, April 2017