

## Res. Asst. YAŞAR SERT

### Personal Information

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### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, Turkey 2016 - Continues

### Research Areas

Mechanical Engineering, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2019 - Continues

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

- I. **HARDNESS, ADHESION AND WEAR PERFORMANCE OF DUPLEX TREATMENT COATINGS OF NITRIDE / TiAlZrN WITH DIFFERENT Zr TARGET CURRENT**  
Sert Y., Küçükömeroğlu T., Kahramanzade H., Efeoğlu İ.  
Journal Of Materials Engineering And Performance, vol.30, no.1, pp.638-651, 2021 (Journal Indexed in SCI Expanded)
- II. **Investigating the structure, adhesion and tribological properties of Al and Zr-doped TiN coatings with various substrate bias voltage and working pressure**  
Sert Y., Küçükömeroğlu T., Efeoğlu İ.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, 2020 (Journal Indexed in SCI)
- III. **Friction and Wear Behaviors of TiN Coatings under Dry and Vacuum Conditions**  
Kara L., Ozkan D., Yagci M. B. , Sulukan E., SERT Y., Sert T. S.  
TRIBOLOGY TRANSACTIONS, vol.62, no.3, pp.362-373, 2019 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Investigation of The Friction and Wear Properties of Nitrided 7075-T6 Aluminum Alloy Under Vacuum and Ambient Air**  
Sert Y., Kahramanzade H., Bayrak Ö., Küçükömeroğlu T.  
PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.1, pp.1-10, 2021 (Journal Indexed in ESCI)
- II. **Determining Optimum Anodic Oxidation Parameters for Hardness and Wear Properties of AA7075-T6 Alloys Using Taguchi Design**  
YAVUZ S., SERT Y., KARSLI M., KÜÇÜKÖMEROĞLU T.  
Journal of Brilliant Engineering (BEN), vol.2, no.1, pp.10-18, 2021 (Refereed Journals of Other Institutions)
- III. **DÖVME KALIPLARINDA AŞINMA MEKANİZMALARI**

Sert Y., Yeşilyurt M., Günaydın O., Emir L. T. , Küçükömeroğlu T.

El-Cezeri Journal of Science and Engineering, vol.1, no.1, pp.1-18, 2021 (Refereed Journals of Other Institutions)

**IV. Tabanca Gövdeleri İçin Polimer Kompozit Malzeme Geliştirilmesi**

Karlı M., Sert Y., Küçükömeroğlu T.

Savunma Bilimleri Dergisi, vol.19, no.38, pp.131-158, 2020 (National Refreed University Journal)

**V. Quantification of the Effects of Coating Parameters on the Properties of TiAlZrN Coatings**

Sert Y., Küçükömeroğlu T., Efeoğlu İ.

Journal of Brilliant Engineering (BEN), vol.1, no.4, pp.1-8, 2020 (Refereed Journals of Other Institutions)

**VI. The Investigation of Wear Properties of TiN Coatings under Different Deposition Parameters**

KAHRAMANZADE H., SERT Y., KARA L., Sert t. s. , KÜÇÜKÖMEROĞLU T.

Engineering Sciences, 2018 (Refereed Journals of Other Institutions)

**VII. THE INVESTIGATION OF WEAR PROPERTIES OF TIN COATINGS ON THE H13 TOOL STEEL UNDER DIFFERENT DEPOSITION PARAMETERS**

Ghahramanzadeh A. H. , Kara L., SERT Y., Sonsuz Sert T., KÜÇÜKÖMEROĞLU T.

NWSA Engineering Sciences, vol.13, no.4, pp.316-323, 2018 (Refereed Journals of Other Institutions)

## Books & Book Chapters

**I. SKİ İLE SiC VE BN PARÇACIK TAKVİYE EDİLEN AA 5182'NİN MİKROYAPISAL, MEKANİK ve TRİBOLOJİK İNCELEMESİ**

SERT Y., KÜÇÜKÖMEROĞLU T.

in: MÜHENDİSLİK ve MULTİDİSİPLİNER YAKLAŞIMLAR, Akdoğan Eker A. - Dikicioğlu A. , Editor, Güven Plus Grup A.Ş. Yayınları, İstanbul, pp.374-394, 2019

**II. SKİ İLE SiC VE BN PARÇACIK TAKVİYE EDİLEN AA5182'NİN MİKROYAPISAL, MEKANİK ve TRİBOLOJİK İNCELEMESİ**

SERT Y., KÜÇÜKÖMEROĞLU T., KARAKAŞ S.

in: MÜHENDİSLİK ve MULTİDİSİPLİNER YAKLAŞIMLAR, Akdoğan Eker Ayşegül, Dikicioğlu Adnan, Editor, GÜVEN PLUS GRUP DANIŞMANLIK A.Ş. YAYINLARI, İstanbul, pp.374-394, 2019

## Refereed Congress / Symposium Publications in Proceedings

**I. WEAR PERFORMANCE OF NEW DESIGNED h-BN Based PVD COATINGS**

Sert Y., Yeşilyurt M., Günaydın O., Küçükömeroğlu T., Emir L. T. , Efeoğlu İ.

4. International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC'21), 25 - 28 May 2021, vol.1, no.1, pp.273

**II. HARDNESS and ADHESION PROPERTIES of PVD- (Ti, Cr, Nb)-hBN**

Sert Y., Yeşilyurt M., Günaydın O., Küçükömeroğlu T., Emir L. T. , Gülten G.

International Conference on Material Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC 221), Nevşehir, Turkey, 26 - 28 May 2021, vol.1, no.1, pp.114-117

**III. WEAR BEHAVIOR OF TiAlZrN COATING FILMS AT VACUUM CONDITION**

SERT Y., KÜÇÜKÖMEROĞLU T.

THE INTERNATIONAL CONFERENCE on MATERIAL SCIENCE and TECHNOLOGY (IMSTEC 2019), Ankara, Turkey, 18 - 20 October 2019, pp.669-671

**IV. TiAlZrN VE TiAlCrNbN FİLLERİN YÜKSEK SICAKLIKTAKİ TRİBOLOJİK DAVRANIŞLARI**

SERT Y., KÜÇÜKÖMEROĞLU T.

THE INTERNATIONAL CONFERENCE on MATERIAL SCIENCE and TECHNOLOGY (IMSTEC 2019), Ankara, Turkey, 18 - 20 October 2019, vol.1, no.1, pp.584-588

**V. WEAR BEHAVIOR OF TiAlZrN COATING FILMS AT VACUUM CONDITIONS**

SERT Y., KÜÇÜKÖMEROĞLU T.

THE INTERNATIONAL CONFERENCE on MATERIAL SCIENCE and TECHNOLOGY (IMSTEC 2019), Ankara, Turkey, 18 - 20 October 2019, vol.1, no.1, pp.669-671

- VI. **THE EFFECT OF NITRIDING ON THE MECHANICAL AND WEAR PROPERTIES OF TiAlZrN COATED H13 STEEL**  
SERT Y., KÜÇÜKÖMEROĞLU T., Kara L.  
4. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 23 - 24 April 2019, vol.1, pp.101
- VII. **NAB ALAŞIMININ TRİBOLOJİK ÖZELLİKLERİNE SİC TAKVİYE PARÇACIK ORANININ ETKİSİ**  
SERT Y., IĞDIR M. J. A. , KÜÇÜKÖMEROĞLU T.  
4. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 23 - 24 April 2019, vol.1, pp.101
- VIII. **Influence Bias Voltage and Working Pressure on the Microstructure, Scratch and Wear Properties of TiAlZrN Films Prepared by CFUBMS Technique**  
SERT Y., Kara L., KÜÇÜKÖMEROĞLU T.  
Fourth International Iron and Steel Symposium (UDCS'19), Karabük, Turkey, 4 - 06 April 2019, vol.1, pp.189-192
- IX. **Mechanical, Structural and Tribological Properties of TiAlZrN Coated AISI H13 Steel**  
SERT Y., Kara L., KÜÇÜKÖMEROĞLU T., Efeoğlu İ.  
International Metallurgy and Materials Congress, İstanbul, Turkey, 25 - 27 October 2018, pp.1019-1022
- X. **WEAR AND FRICTION BEHAVIOR OF TiBN COATINGS UNDER DRY AND LUBRICATED CONDITIONS**  
ÖZKAN D., KARA L., SULUKAN E., KÜÇÜKÖMEROĞLU T., SERT Y., SERT T. S.  
3rd International Conference on Material Science and Technology in Cappadocia (IMSTEC'18), Nevşehir, Turkey, 17 - 19 September 2018
- XI. **TRIBOLOGICAL BEHAVIOR OF TiB<sub>2</sub> COATINGS UNDER VACUUM CONDITION**  
Sonsuz Sert T., Kara L., Özkan D., KÜÇÜKÖMEROĞLU T., SERT Y.  
International Conference on Material Science and Technology (IMSTEC 2018), Nevşehir, Turkey, 17 - 19 September 2018, pp.699
- XII. **The Effect of Deposition Parameters on the Wear and Scratch Properties of TiAlZrN Coatings**  
SERT Y., KÜÇÜKÖMEROĞLU T., KARA L., EFEOĞLU İ.  
International Science Applications of Thin Films, Conference Exhibition (SATF 2018), 17 - 21 September 2018, vol.1, pp.13-21
- XIII. **The Investigation of Wear Properties of TiN Coatings under Different Deposition Parameters**  
KAHRAMANZADE H., SERT Y., KARA L., SERT t. s. , KÜÇÜKÖMEROĞLU T.  
International Conference of Advanced Engineering Technologies, 21 - 23 September 2017
- XIV. **The Wear Behaviour of 52100 Steel Against to AL<sub>2</sub>O<sub>3</sub> and WC under Vacuum and Air Environment**  
KARA L., KÜÇÜKÖMEROĞLU T., KAHRAMANZADE H., SERT Y.  
9th International Conference of Tribology (Balkan Trib 17), 13 - 15 September 2017
- XV. **The Investigation of Wear Properties of TiN Coatings under Different Deposition Parameters**  
Ghahramanzadeh A. H. , SERT Y., Kara L., KÜÇÜKÖMEROĞLU T., Sonsuz Sert T.  
ICADET'xx17, Bayburt, TÜRKİYE, Bayburt, Turkey, 21 - 23 September 2017, vol.19, pp.58-63
- XVI. **The Wear Behaviour of 52100 Steel under Vacuum Environment**  
Kara L., KÜÇÜKÖMEROĞLU T., Ghahramanzadeh A. H. , SERT Y.  
Balkan TRib'2017 (9th INTERNATIONAL CONFERENCE ON TRIBOLOGY), Nevşehir, Turkey, 13 - 15 September 2017
- XVII. **The Effect of Friction Stir Processing Parameters on The Wear Properties of Al5083 Alloys**  
KÜÇÜKÖMEROĞLU T., Kara L., Baran Ö., SERT Y.  
Balkan TRib'2017 (9th INTERNATIONAL CONFERENCE ON TRIBOLOGY), Nevşehir, Turkey, 13 - 15 September 2017, pp.135-150

## Supported Projects

KAHRAMANZADE H., KÜÇÜKÖMEROĞLU T., SERT Y., Project Supported by Higher Education Institutions, Sürtünme karıştırma işleminin Eklemeli İmalat Yöntemi ile Üretilen AlSi10Mg Alaşımının Mekanik ve Tribolojik Özelliklerine Etkisinin İncelenmesi, 2020 - Continues

Küçükömeroğlu T., TÜBİTAK Project, Sıcak Dövme Kalıbının Kullanım Ömrünü Artırmak Amaçlı Kaplama Tabakası Geliştirilmesi, 2020 - 2022

Sert Y., Küçükömeroğlu T., Project Supported by Higher Education Institutions, Sıcak Dövme Kalıpları İçin Yüzey Kaplama Tabakası Geliştirilmesi, 2019 - 2022

Sert Y., Aktarer S. M. , Küçükömeroğlu T., Project Supported by Higher Education Institutions, CrN ve AlCrN ile Kaplanmış Silindir Gömlek Malzemesinin Aşınma Davranışının İncelenmesi, 2020 - 2021

Sert Y., Küçükömeroğlu T., Project Supported by Higher Education Institutions, Dövme Fonksiyonlu Triboloji Test Düzeneği Tasarım ve İmalatı, 2019 - 2020

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

MAKİNA MÜHENDİSLERİ ODASI TRABZON ŞUBESİ, Board Member, 2020 - Continues, Turkey

## **Edit Congress and Symposium Activities**

THE INTERNATIONAL CONFERENCE on MATERIAL SCIENCE and TECHNOLOGY (IMSTEC 2019), Attendee, Ankara, Turkey, 2019

4. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Attendee, İstanbul, Turkey, 2019

Fourth International Iron and Steel Symposium (UDCS'19), Attendee, Karabük, Turkey, 2019

International Metallurgy and Materials Congress, Attendee, İstanbul, Turkey, 2018

International Science Applications of Thin Films, Conference Exhibition (SATF 2018), Attendee, İzmir, Turkey, 2018

3rd International Conference on Material Science and Technology in Cappadocia, Attendee, Nevşehir, Turkey, 2018

International Conference of Advanced Engineering Technologies, Attendee, Bayburt, Turkey, 2017

9th International Conference of Tribology (Balkan Trib 17), Attendee, Nevşehir, Turkey, 2017

## **Citations**

Total Citations (WOS):5

h-index (WOS):1

## **Awards**

SERT Y., En İyi Bildiri Ödülü, International Conference on Advanced Engineering Technologies, September 2017