

## Asst. Prof. SENAI YALÇINKAYA

### Personal Information

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### International Researcher IDs

ScholarID: Senai

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Publons / Web Of Science ResearcherID: AAD-2101-2019

ScopusID: 57215823057

Yoksis Researcher ID: 173386

### Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Makine Eğitimi (Dr), Turkey 1994 - 1998

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Makine Eğitimi (Dr), Turkey 1993 - 1994

Undergraduate, Marmara University, Faculty of Technical Education, Machine Education, Turkey 1987 - 1991

### Biography

**Dr. Senai YALÇINKAYA worked as Assistant Professor in Marmara University Faculty of Technology Department of Mechanical Engineering. He continues to work as a research and teaching member in Istanbul Marmara University.**

### RESEARCH AREAS

**Metal cutting principles, Manufacturing Processes, Cutting Tools, Wear and Friction, Die & Tool Design, Corrosion and Surface Protection Materials in Machine, Experimental Design and Analysis. Friction and wear theories, Corrosion and surface protection of machine materials, 3D Printer Extruder.**

### EDUCATION ACTIVITIES

**Metal cutting principles, Manufacturing processes, Machine design, Experimental design & analysis, Friction and Wear, SLS, Friction and wear theories, Corrosion and surface protection of machine materials, 3D printer,**

### SCIENTIFIC MEMBERSHIPS

**Review of Scientific Journals- Materials & Design- Journal of Composite Materials - Balkan Tribology**

**Association- Material, Metallurgy and Extraction Technology- Pack world, Editor- Metal and Machine, Editor- Dia Technology, Editor**

**Tribology,**

**Certified Production Techniques and Applications**

**Machining processes,**

**Theories of Friction and Wear,**

**Machine Design and Machine Elements**

**Corrosion and Surface Protection of Machine Materials,**

**Cutting Tool Design**

**Additive Manufacturing**

**3D Printing,**

**Mechanical Engineering**

**Material Design and Behaviors**

**Machine Design and Machine Elements**

**Computer Aided Design**

Marmara University, Istanbul, Turkey

## **Dissertations**

Doctorate, Bir çorap örme makinasının ana elemanlarının tasarımı ve imalatının incelenmesi, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Mechanical Education, 1998

Postgraduate, Üretim planlamada doğrusal programlama modelleri ve bir işletme uygulaması, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Mechanical Education, 1994

## **Research Areas**

Engineering and Technology

## **Academic Titles / Tasks**

Assistant Professor, Marmara University, Faculty of Technology, Mechanical Engineering, 2011 - Continues

## **Courses**

TEMEL İMALAT İŞLEMLERİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

ÇAĞDAŞ ÜRETİM SİSTEMLERİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

TALAŞLI İMALATTA DENEYSEL YÖNTEMLER, Undergraduate, 2019 - 2020, 2018 - 2019

İLERİ MÜHENDİSLİK MALZEMELERİ İŞLEME TEKNİKLERİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Sürtünme ve Aşınma Teorileri, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
TRİBOLOJİ, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
İMALAT İŞLEMLERİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
KALIP TASARIMI, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017  
İLERİ ÜRETİM TEKNOLOJİSİ, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Makine Malzemelerinde Korozyon ve Yüzeysel Koruma, Postgraduate, 2019 - 2020  
İŞ YERİ EĞİTİMİ, Undergraduate, 2019 - 2020, 2018 - 2019  
İMALAT İŞLEMLERİ-III, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
İMALAT İŞLEMLERİ-I, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Otomotiv İmalat Teknikleri, Undergraduate, 2019 - 2020, 2018 - 2019  
ÜRETİM TEKNİKLERİ VE UYGULAMALARI, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
TALAŞLI ÜRETİM TEKNİKLERİ VE UYGULAMALARI, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
BİLGİSAYAR DESTEKLİ TASARIM (CAD), Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010  
TALAŞLI ÜRETİM TEKNİKLERİ VE UYGULAMALARI, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
İleri Üretim Teknolojisi, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Malzeme Teknolojisi Uygulamaları IV, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
Üretim Teknikleri ve Uygulamaları, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

## Advising Theses

Yalçinkaya S., İnce Cidarlı Kafes Yapıların Enerji Sönümleme Performansının Artırılmasının Eklemeli İmalatta Tasarım ve Uygulaması, Doctorate, G.Başar(Student), Continues  
Yalçinkaya S., "Savunma Sanayiinde Kullanılan Su Araçlarının AL6061 Malzeme Yüzeylerinde Kaplama Yöntemleri Uygulanarak Korozyon ve Aşınma Etkilerinin Deneysel İncelenmesi", Postgraduate, K.KOÇYİĞİT(Student), Continues  
Yalçinkaya S., "Düz Dişli Çarklarda WSz, WC/C, MoSz Kaplamalarının Yüzey Aşınması ve Yorulmaya Etkisinin Deneysel İncelenmesi", Postgraduate, A.Ghafoor(Student), Continues  
Yalçinkaya S., "Çelik Esaslı Metal Disklerin Üzerine Lazer Metal Biriktirme (LMD) Yöntemi ile Kaplanan Süperalaşımın Yüksek Sıcaklıklarda Sürtünmesi Sonucunda Oluşarı Aşınma Davranışlarının İncelenmesi", Postgraduate, A.ÖNER(Student), Continues  
Yalçinkaya S., Flow Forming Proses Parametrelerinin Farklı Malzemelerde Deneysel ve Sonlu Elemanlar Yöntemleri Kullanılarak İncelenmesi, Doctorate, A.Can(Student), Continues  
Yalçinkaya S., "ÖZEL İMALAT KARBÜR, TİN, EXT-CrN VE TİSİN KAPLI FREZE UÇLARININ DENEY TASARIMI YÖNTEMİ İLE PERFORMANSININ OPTİMİZASYONU, Postgraduate, A.ÜSTÜNDAĞ(Student), 2021  
Yalçinkaya S., Petrol Sahalarındaki Karakteristik Boru Hatlarında 5LX42 ve 5LX52 Malzeme Yüzeyine Kaplama Yöntemleri Uygulanarak Korozyon Etkilerinin Elektrokimyasal Metodlarla Araştırılması, Postgraduate, K.İSMAEİL(Student), 2021  
Yalçinkaya S., PETROL SAHALARINDAKİ KARAKTERİSTİK BORU HATLARINDA 5LX42 VE 5LX52 MALZEME YÜZEYİNE KAPLAMA YÖNTEMLERİ UYGULANARAK KOROZYON ETKİLERİNİN ELEKTROKİMYASAL METOTLARLA ARAŞTIRILMASI, Postgraduate, K.ISMAEIL(Student), 2021  
Yalçinkaya S., Biyomedikal Uygulamalar İçin Saf Titanyum / Magnezyum ve Bunların Alaşımının Toz Metalurjisi Yöntemi ile geliştirilmesi ve Uygulanabilirliğinin Araştırılması, Doctorate, E.AYGÜL(Student), 2020  
Yalçinkaya S., Havacılık ve Uzay Sektöründe Kullanılan 7075 – T651 Alüminyum Alaşımının İşlenmesi için Özel İmalat Matkap Uçlarının Deney Tasarımı Yöntemi ile Performansının Optimizasyonu., Postgraduate, Y.ÖZBEK(Student), 2020  
Yalçinkaya S., MARMARAY DEMİRYOLU HATTINDA RAY KUSURLARININ ULTRASONİK YÖNTEMLE İNCELENMESİ VE RAY KUSURLARININ HATTIN HANGİ KISIMLARINDA YOĞUNLAŞTIĞININ TESPİTİ, Postgraduate, O.KILIÇ(Student), 2019  
Yalçinkaya S., KAPLAMALI VE KAPLAMASIZ HSS MATKAP UÇLARININ DENEY TASARIMI YÖNTEMİYLE PERFORMANSININ OPTİMİZASYONU, Postgraduate, A.CAN(Student), 2019  
Yalçinkaya S., Mesleki eğitim okullarında CAD-CAM programlarının uygulama düzeylerinin ve okul sanayi işbirliği

geliştirme çalışmalarının incelenmesi, Postgraduate, Y.KIRİBRAHİM(Student), 2013  
Yalçinkaya S., Meslek liselerinde mekatronik eğitiminin uygulanma düzeylerinin araştırılması, Postgraduate, Z.ÇETİN(Student), 2006  
Yalçinkaya S., Deneysel gerilme analizinde kuvvet ve tork ölçme, Postgraduate, Ö.ERTÜRK(Student), 2005  
Yalçinkaya S., Paslanmaz çeliklerin düzlem yüzey frezelemede talaşlı işlenebilirliğinin incelenmesi, Postgraduate, M.ETİK(Student), 2004  
Yalçinkaya S., Alternatif yakıt sistemlerinin emisyonu etkisi, Postgraduate, E.GÜLEÇ(Student), 2004

## **Jury Memberships**

Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, March, 2022  
Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, April, 2021  
Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, November, 2020  
Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, June, 2020  
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2019  
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2019

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

- I. **Energy Absorption of a Novel Lattice Structure-Filled Multicell Thin-Walled Tubes Under Axial and Oblique Loadings**  
Kocabas G. B., YALÇINKAYA S., Cetin E., Sahin Y.  
Advanced Engineering Materials, vol.26, no.20, 2024 (SCI-Expanded)
- II. **Characteristics of minerals and oxide compounds in sediment collected from blood cockle culture areas at Bandon Bay, Thailand**  
Jaowatana N., YALÇINKAYA S., Satapornvanit K., Salaenoi J.  
PLoS ONE, vol.19, no.6 June, 2024 (SCI-Expanded)
- III. **Diş hekimliği uygulamalarında kullanılan Co-24,7Cr-5,4W-5Mo-Si alaşımının eklemeli imalat yöntemi ile üretilmesi ve karakterizasyonu**  
AYGUL E., YALÇINKAYA S., ŞAHİN Y.  
Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.37, no.2, pp.571-580, 2022 (SCI-Expanded)
- IV. **Characterization of Ti-6Al-(4V-7Nb-4Mo) Biomedical Alloys Produced by Powder Metallurgy Method**  
Aygül E., Yalçinkaya S., Sahin Y.  
POWDER METALLURGY AND METAL CERAMICS, vol.59, pp.296-302, 2020 (SCI-Expanded)
- V. **Microstructural analysis of sintered pure-titanium and titanium/hydroxyapatite (HA) surgical implant materials under different temperatures and HA doped conditions produced by powder metallurgy**  
Aygül E., Yalçinkaya S., Sahin Y.  
MATERIALS RESEARCH EXPRESS, vol.7, 2020 (SCI-Expanded)
- VI. **CORROSION CHARACTERISTICS OF AN ADDITIVE-MANUFACTURING COBALT-CHROME-WOLFRAM BIOMEDICAL ALLOY UNDER HEAT-TREATED AND MOLYBDENUM-DOPED CONDITIONS**  
AYGÜL E., YALÇINKAYA S., Sahin Y.  
MATERIALI IN TEHNOLOGIJE, vol.54, no.4, pp.535-540, 2020 (SCI-Expanded)
- VII. **"STUDY OF THE SURFACE FINISH WHEN TURNING HARDENED STEELS"**  
ŞAHİN Y., YALÇINKAYA S.  
Materials, Methods Technologies, Jurnal of international Publications, pp.307-316, 2017 (SSCI)
- VIII. **"CORROSION AND SURFACE PROTECTION IN MACHINEMATERIALS FRICTION HAVE DIFFERENT SURFACE PAIRSEXPERIMENTAL INVESTIGATION OF FACTORS".**  
YALÇINKAYA S.

Fiabilitate si Durabilitate 2017 - Fiability Durability, vol.1, pp.3-12, 2017 (SCI-Expanded)

**IX. Study on surface finish of AISI 2080 steel based on the Taguchi method**

Şahin Y., Yalçinkaya S.

MATERIALS SCIENCE AND ENGINEERING, vol.174, no.1, pp.1-6, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **AN EVALUATION OF TECHNOLOGY AND ARTIFICIAL INTELLIGENCE'S RELATIONSHIP WITH CULTURE AND ART IN TERMS OF LITERATURE**  
DÜZ O., DÜZ O., KARABAŞ O., YALÇINKAYA S., KUYUCU M. M.  
INTERNATIONAL REFEREED JOURNAL OF ENGINEERING AND SCIENCES, vol.20, no.20, pp.39-62, 2023 (Peer-Reviewed Journal)
- II. **Experimental Comparison of the Energy Absorption Performance of Traditional Lattice and Novel Lattice Filled Tubes**  
Kocabaş G. B., Cetin E., yalçinkaya s., ŞAHİN Y.  
International Journal of Automotive Science and Technology, vol.7, no.3, pp.207-212, 2023 (Scopus)
- III. **OTOMOTİV SEKTÖRÜNDE KULLANILAN DİRENÇ NOKTA KAYNAK İŞLEM PARAMETRELERİNİN KAYNAK MUKAVEMETİ ÜZERİNE ETKİLERİNİN İNCELENMESİ**  
KARAFAKİOĞLU A., BEDİR F., YALÇINKAYA S., ÖZ S. İ., ULUDAĞ A.  
INTERNATIONAL REFEREED JOURNAL OF ENGINEERING AND SCIENCES, vol.11, no.18, pp.115-128, 2022 (Peer-Reviewed Journal)
- IV. **MOTORLU ARAÇLARDA BİNALARDA SES VE ISI YALITIMI İÇİN MALZEME TASARIMI**  
YALÇINKAYA S., ÖNER A., AYGUL E.  
INTERNATIONAL REFEREED JOURNAL OF ENGINEERING AND SCIENCES, vol.10, no.17, pp.53-76, 2022 (Peer-Reviewed Journal)
- V. **PROTECTION OF ALUMINUM 6061 USED IN WATER VEHICLES FROM FLOUR FROM SALT CORROSION BY COATING**  
YALÇINKAYA S., KOÇYİĞİT K.  
ULUSLARARASI HAKEMLİ MÜHENDİSLİK VE FEN BİLİMLERİ DERGİSİ, vol.15, no.15, pp.90-112, 2021 (Peer-Reviewed Journal)
- VI. **Flow Forming Process for Annealed AISI 5140 Alloy Steel Tubes**  
KARAKAŞ A., KOCABIÇAK A. C., YALÇINKAYA S., ŞAHİN Y.  
Lecture Notes in Mechanical Engineering", "Proceedings of the 8th International Conference on Fracture, Fatigue and Wear, vol.8, no.8, pp.153-164, 2021 (Peer-Reviewed Journal)
- VII. **Investigation of Flow Forming Process and Heat Treatment Effects on 2024 Aluminium Tubes**  
KOCABIÇAK A. C., KARAKAŞ A., GÜNEŞ A., YALÇINKAYA S.  
Lecture Notes in Mechanical Engineering", "Proceedings of the 8th International Conference on Fracture, Fatigue and Wear, vol.8, no.8, pp.129-138, 2021 (Peer-Reviewed Journal)
- VIII. **TITANIUM IMPLANT FOR DENTAL APPLICATIONS USING 3D PRINTING TECHNOLOGY**  
AYGÜL E., YALÇINKAYA S., ŞAHİN Y.  
International Journal of 3D Printing Technologies and Digital Industry, vol.4, no.2, pp.171-177, 2020 (Peer-Reviewed Journal)
- IX. **MEMS Fabrication using PµSL Technique Based 3D Printer**  
ERTUĞRUL İ., AKKUŞ N., AYGÜL E., YALÇINKAYA S., ERTUNÇ H. M.  
International Journal of 3D Printing Technologies and Digital Industry, vol.4, no.1, pp.38-43, 2020 (Peer-Reviewed Journal)
- X. **MEMS Fabrication using 2PP Technique Based 3D Printer**  
ERTUĞRUL İ., AKKUŞ N., AYGÜL E., YALÇINKAYA S.  
International Journal of 3D Printing Technologies and Digital Industry, vol.4, no.1, pp.12-17, 2020 (Peer-Reviewed Journal)

- XI. **"OPTICAL 3D SCANNER TECHNOLOGY"**  
YALÇINKAYA S., YILDIZ B., BORAK M.  
International Journal of 3D Printing Technologies and Digital Industry, vol.3, pp.67-75, 2019 (Peer-Reviewed Journal)
- XII. **Investigation of Microstructure, Mechanical and Temperature Effects on Biomedical Co-25Cr-9, 5W-3, 5Mo-1Si alloys fabricated by Additive Manufacturing**  
Aygül E., Yalçinkaya S., Şahin Y.  
PREPRINTS 2019, vol.1, no.1, pp.34-48, 2019 (Peer-Reviewed Journal)
- XIII. **THE EFFECT OF LOAD ON THE TRIBOLOGICAL PROPERTY OF POLYACETAL AND METALLOGRAPHIC OBSERVATION**  
ŞAHİN Y., YALÇINKAYA S., Mirzayev H.  
Proceedings of the International Symposium of Mechanism and Machine Science, vol.1, no.1, pp.167-174, 2017 (Peer-Reviewed Journal)
- XIV. **STUDY OF THE SURFACE FINISH WHEN TURNING HARDENED STEELS**  
ŞAHİN Y., YALÇINKAYA S.  
Journal of International Scientific Publications, vol.11, 2017 (Peer-Reviewed Journal)
- XV. **"Metal İşlemede Yüksek Hassasiyetli Kesici Uç ve Kesici Takımlar"**  
YALÇINKAYA S.  
ST Makina, pp.8-12, 2016 (Peer-Reviewed Journal)
- XVI. **"Yüzey Taşlama Sürecinde Kullanılan Alternatif Soğutma Sıvıları" – Alternative Cooling Fluids Used for Surface Grinding**  
YALÇINKAYA S.  
Kalıp Dünyası Dergisi, vol.16, pp.114-121, 2016 (Peer-Reviewed Journal)
- XVII. **" Application of Taguchi Technique to Surface Grinding of Mold Steel "**  
ŞAHİN Y., YALÇINKAYA S.  
Key Engineering Materials, vol.689, pp.7-11, 2016 (Scopus)
- XVIII. **"METAL İŞLEMEDE HASSAS-PARLAK TAŞLAMA İŞLEMİ"**  
YALÇINKAYA S.  
Demir-Çelik Store - Demir, Çelik Metal Mamülleri ve İmalat Sanayii Sektör Dergisi, vol.10, pp.180-186, 2016 (Peer-Reviewed Journal)
- XIX. **"AYAKKABI TABAN KALIBI TASARIMI VE İMALAT AŞAMALARI"**  
YALÇINKAYA S.  
Kalıp Dünyası Dergisi-Mold Processing Technology Components-Machine Tools Automasion, Software and Quality Control, vol.16, pp.98-104, 2016 (Peer-Reviewed Journal)
- XX. **Dry Sliding Wear Behaviour of Polyamides by Taguchi Method**  
ŞAHİN Y., YALÇINKAYA S.  
Key Eng. Mater, vol.689, no.2, pp.81-85, 2016 (Peer-Reviewed Journal)
- XXI. **"Makina Metal İşlemede Silindirik İç Delik Taşlama İşlemleri"**  
YALÇINKAYA S.  
Demir- Çelik Store, Demir, Çelik Metal Mamülleri ve İmalat Sanayii Sektör Dergisi, vol.10, pp.170-178, 2016 (Peer-Reviewed Journal)
- XXII. **"Kesme Kalıplarında Kesme Boşluğu Kesme Boşluğunun Bozulma Nedenleri ve Çözüm Önerileri "**  
YALÇINKAYA S.  
KALIP STORE Mold and Mold Technologies Magazine, vol.4, pp.122-126, 2016 (Peer-Reviewed Journal)
- XXIII. **"ABRASIVE WATER JET DESIGNS IN INDUSTRY"**  
YAZICIOĞLU O., YALÇINKAYA S.  
Mühendis ve Makina, 2003 (Peer-Reviewed Journal)
- XXIV. **Endüstride aşındırıcılı su jeti tasarımları**  
YAZICIOĞLU O., YALÇINKAYA S.  
Mühendis ve Makina, vol.44, no.522, 2003 (Peer-Reviewed Journal)
- XXV. **" Modern üretimde sayısal kontrollü (NC-CNC) takım tezgahları, endüstriyel üretimde kullanımının**

avantajları ve çözüm bekleyen sorunlar ",  
YALÇINKAYA S., BALKI E.  
Makina&Metal, vol.12, 2001 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **MÜHENDİSLİK YAKLAŞIMLI İŞLETME YÖNETİMİ UYGULAMALARI: LİTERATÜR ARAŞTIRMASI**  
Korkmaz M., YALÇINKAYA S., YAMAN Z.  
in: MÜHENDİSLİK, TEKNOLOJİ, MİMARLIK VE TASARIMDA YENİLİKÇİ YAKLAŞIMLAR, GÜLLÜ Abudulkadir, ÇİZMECİOĞLU Zeki, YALÇINKAYA Senai, Editor, GÜVEN PLUS GRUP DANIŞMANLIK A.Ş. YAYINLARI, İstanbul, pp.35-72, 2023
- II. **TEKNOLOJİK GELİŞMELER VE MÜHENDİSLİK UYGULAMALARI**  
HARMAN G., ALTUNTAŞ G., BOSTAN B., ÇIPLAK A. Y., BİLGİN A. S., KULLUKÇU A., DÖŞEME R., KURT M. M., YAZICIOĞLU O., BAYRAMOĞLU K., et al.  
<https://www.guvenplus.com.tr/guven-yayincilik/116/bilimsel-kitaplar>, İstanbul, 2022
- III. **MÜHENDİSLİK, MİMARLIK, TASARIMDA TEORİ, UYGULAMA VE ARAŞTIRMALAR**  
YALÇINKAYA S., ÖNER A., MOTORCU A. R., GÖKKAYA H., GÜVEN S., ILICALI M., ERGİN M. E., KARABACAKOĞLU B., KÜÇÜKALİ U. F., KARA A., et al.  
Güven Plus Grup A.Ş. Yayınları: 14/2022 20 ARALIK 2022, İstanbul, 2022
- IV. **"MODERN İMALAT TEKNİKLERİ VE YAKLAŞIMLARI"**  
YALÇINKAYA S., ÖNER A.  
in: MÜHENDİSLİK, MİMARLIK, TASARIMDA TEORİ, UYGULAMA VE ARAŞTIRMALAR, Ali Riza MOTORCU, Ashok JAMMI, Senai YALÇINKAYA, Editor, Güven Plus Group Inc. Publications: 49/2022 15 DECEMBER 2022 Publisher Certificate No: 52866, İstanbul, pp.195-240, 2022
- V. **İÇTEN YANMALI MOTORLARDA MEYDANA GELEN GELİŞMELER**  
TURGUT M. R., YALÇINKAYA S.  
in: TEKNOLOJİK GELİŞMELER VE MÜHENDİSLİK UYGULAMALARI, Abdulkadir GÜLLÜ, Rakesh JAIN, Senai YALÇINKAYA, Editor, <https://www.guvenplus.com.tr/guven-yayincilik/116/bilimsel-kitaplar>, İstanbul, pp.181-213, 2022
- VI. **"AN EVALUATION ON THE PRINCIPLES OF TRIBOLOGY AND USAGE IN WEAR APPLICATIONS"**  
DOĞAN E., YALÇINKAYA S., KURTULMUŞ M.  
in: INNOVATIVE TECHNOLOGY APPLICATIONS IN ENGINEERING SCIENCES, Rakesh JAIN, Abdulkadir GÜLLÜ, Senai YALÇINKAYA, Editor, Güven Plus Group Inc. Publications: 23/2022 20 DECEMBER 2022, İstanbul, pp.74-96, 2022
- VII. **"INVESTIGATION OF THE EFFECTS OF COATED AND UNCOATED DRILLS ON HOLE QUALITY IN DRILLING OF STEEL USED IN MOLDING"**  
YALÇINKAYA S., ÖNER A., BAŞIHOŞ B.  
in: INNOVATIVE TECHNOLOGY APPLICATIONS IN ENGINEERING SCIENCES, Rakesh JAIN, Abdulkadir GÜLLÜ, Senai YALÇINKAYA, Editor, Güven Plus Group Inc. Publications: 49/2022 20 DECEMBER 2022 Publisher Certificate No: 52866, İstanbul, pp.115-139, 2022
- VIII. **INTERNATIONAL INNOVATIVE APPROACHES IN ENGINEERING & TECHNOLOGY**  
Yalçinkaya S., Şahin Y., Öner A., Yıldırım G.  
Güven Plus Group Inc. Publications: 49/2021 15 DECEMBER 2021 Publisher Certificate No: 52866, İstanbul, 2021
- IX. **ENGINEERING AND TECHNOLOGY MANAGEMENT**  
YALÇINKAYA S., GÜLLÜ A., YILDIRIM G., YAMAN Z.  
Güven Plus Group Inc. Publications: 49/2021 15 DECEMBER 2021 Publisher Certificate No: 52866, İstanbul, 2021
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- XCI. " **The Experimental Investigation of Wear Mechanism of Centrifugal Pumps** "  
YALÇINKAYA S., CEBECİ O.  
17th International Conference on Machine Design and Production (UMTİK 2016), Bursa, Turkey, 12 - 15 July 2016
- XCII. " **Optimization of production Planning for a Sock Knitting Machine Using Linear Programming Method** "  
YALÇINKAYA S.  
17th International Conference on Machine Design and Production (UMTİK 2016), Bursa, Turkey, 12 - 15 July 2016

## Supported Projects

- Yalçinkaya S., Project Supported by Higher Education Institutions, İNCE CİDARLI KAFES YAPILARIN ENERJİ SÖNÜMLEME PERFORMANSININ ARTIRILMASININ EKLEMELİ İMALATTA TASARIM VE UYGULAMASI, 2022 - 2023
- Yalçinkaya S., Project Supported by Higher Education Institutions, ÖZEL İMALAT KARBÜR, EXT-CrN VE TİSİN KAPLI FREZE UÇLARININ DENEY TASARIMI YÖNTEMİ İLE PERFORMANSININ OPTİMİZASYONU, 2018 - 2019
- Yalçinkaya S., Project Supported by Higher Education Institutions, ÖZEL İMALAT KARBÜR VE TİN KAPLI MATKAP UÇLARININ DENEY TASARIMI YÖNTEMİYLE PERFORMANSININ OPTİMİZASYONU, 2017 - 2019
- Yalçinkaya S., Project Supported by Higher Education Institutions, Biyomedikal uygulamalar için saf titanyum/magnezyum ve bunların alaşımlarının toz metalurjisi yöntemi ile geliştirilmesi ve uygulanabilirliğinin araştırılması, 2017 - 2019
- Yalçinkaya S., Project Supported by Higher Education Institutions, BİYOMEDİKAL UYGULAMALAR İÇİN SAF TİTANYUM / MAGNEZYUM VE BUNLARIN ALAŞIMLARININ TOZ METALURJİSİ YÖNTEMİ İLE GELİŞTİRİLMESİ VE UYGULANABİLİRLİLİĞİNİN ARAŞTIRILMASI, 2017 - 2019
- Yalçinkaya S., Project Supported by Higher Education Institutions, Technology of Future 3D Printing (Proje No:FEN-D-110117-0025), 2017 - 2018

## Activities in Scientific Journals

- ULUSLARARASI HAKEMLİ MÜHENDİSLİK VE FEN BİLİMLERİ DERGİSİ, Editor, 2021 - Continues
- Gazi University Journal of Science Part A: Engineering and Innovation, Editor, 2020 - Continues
- Surface Review And Letters, Committee Member, 2020 - Continues
- Proceedings Of The Institution Of Mechanical Engineers Part E-Journal Of Process Mechanical Engineering, Committee Member, 2020 - Continues
- European Mechanical Science, Committee Member, 2020 - Continues
- International Journal of Engineering Technologies IJET, Committee Member, 2020 - Continues
- International Journal of Advances in Engineering and Pure Sciences, Committee Member, 2020 - Continues
- International Periodical of Recent Technologies in Applied Engineering, Committee Member, 2020 - Continues
- Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, Committee Member, 2020 - Continues

International Journal of 3D Printing Technologies and Digital Industry, Publication Committee Member, 2019 - Continues  
International Journal of 3D Printing Technologies and Digital Industry (IJ3DPTDI), Publication Committee Member, 2018 - Continues  
International Journal of 3D Printing Technologies and Digital Industry, Publication Committee Member, 2018 - Continues  
AUTOMATION TÜRKİYE (2018 KATALOĞU), AUTOMASYON,ROBOTİC, MACHİNE AND KONTROL SYSTEMS CATALOGUE,, Publication Committee Member, 2018 - Continues  
KALIP STORE- Mold and Mold Technologies Magazine, Publication Committee Member, 2016 - Continues  
Demir-Çelik Store - Demir, Çelik Metal Mamülleri ve İmalat Sanayii Sektör Dergisi, Publication Committee Member, 2016 - Continues  
MAKİNA STORE Makina/ Metal İşleme/ Otomasyon& İmalat Sanayi Dergisi, Publication Committee Member, 2016 - Continues  
ST MAKİNE ENDÜSTRİ DERGİSİ, Publication Committee Member, 2016 - Continues  
Metal-Makina Dergisi, Publication Committee Member, 2014 - Continues  
Kalıp Dünyası Dergisi-Mold Processing Technology Companents, Publication Committee Member, 2011 - Continues  
PACKWORLD TURKİYE DERGİSİ, Publication Committee Member, 2010 - Continues  
( 2017) " The International Conference on Materials research", HONG KONG,, Publication Committee Member, 2017 - 2018  
The 8th International Conference on Advanced Materials Research With workshops ofThe 2nd International Conference on Civil andBuilding Materials International Conference on Advanced Energy Materials, Publication Committee Member, 2017 - 2018  
Ceramics International, Publication Committee Member, 2017 - 2017  
Makina&Metal Dergisi, Publication Committee Member, 2001 - 2004

## Scientific Refereeing

Sigma Journal Of Engineering And Natural Sciences, Other Indexed Journal, February 2021  
International Journal of Automotive and Mechanical Engineering (IJAME), Other Indexed Journal, January 2021  
International Journal of Engineering Technologies, Other Indexed Journal, December 2020  
Sigma Journal of Engineering and Natural Sciences, Other Indexed Journal, November 2020  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING, SCI Journal, October 2020  
International Journal of 3D Printing Technologies and Digital Industry, Journal Indexed in ESCI, September 2020  
International Journal of Advances in Engineering and Pure Sciences, Journal Indexed in ESCI, September 2020  
European Mechanical Science, Journal Indexed in ESCI, June 2020  
International Periodical of Recent Technologies in Applied Engineering, Journal Indexed in ESCI, March 2020  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, Journal Indexed in ESCI, January 2020  
3D PRINTING AND ADDITIVE MANUFACTURING, Journal Indexed in AHCI, March 2019  
CERAMICS INTERNATIONAL, SCI Journal, July 2017

## Tasks In Event Organizations

Yalçinkaya S., 10. ULUSLARARASI MÜHENDİSLİK VE TEKNOLOJİ YÖNETİMİ KONGRESİ 2023, ( 10th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT), Scientific Congress, İstanbul, Turkey, Ekim 2023  
Yalçinkaya S., MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ 2023 - (INTERNATIONAL CONGRESS ON ENGINEERING AND SCIENCES 2023), Scientific Congress, İstanbul, Turkey, Mart 2023  
Yalçinkaya S., Kalaycıoğlu H., Güllü A., 3th International Congress on Engineering Sciences and Multidisciplinary Approaches, Scientific Congress, İstanbul, Turkey, Şubat 2022  
Yalçinkaya S., Çizmecioğlu Z., Kalaycıoğlu H., 6th INTERNATIONAL CONGRESS ON ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Aralık 2021

Onat A., Yalçinkaya S., Yaman Ç., Aytaç A., 7th INTERNATIONAL CONGRESS ON OCCUPATIONAL SAFETY AND HEALTH, Scientific Congress, İstanbul, Turkey, Aralık 2021

Yalçinkaya S., Gerengi H., Kalaycıoğlu H., Bilge Ocak S., 8th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Aralık 2021

Onat A., Yalçinkaya S., Şahin Y., 6th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Scientific Congress, İstanbul, Turkey, Kasım 2021

Yalçinkaya S., IRCONTECS2021- 2nd INTERNATIONAL RESEARCH CONFERENCE ON TECHNOLOGY, ENGINEERING CULTURE AND SOCIETY, Scientific Congress, Naga, Philippines, Ekim 2021

Yalçinkaya S., Güllü A., Kalaycıoğlu H., Gültaş A., Altın A., Yılmaz B., 2th International Congress on Engineering Sciences and Multidisciplinary Approaches, Scientific Congress, İstanbul, Turkey, Eylül 2021

Yalçinkaya S., ALTERNATIVE ENERGY SOURCES, MATERIALS AND TECHNOLOGIES (AESMT'21), Scientific Congress, Ruse, Bulgaria, Haziran 2021

Yalçinkaya S., Çizmecioğlu Z., Kalaycıoğlu H., 5th INTERNATIONAL CONGRESS ON ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Mayıs 2021

Yalçinkaya S., Sağbaş A., Motorcu A. R., 7th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Mayıs 2021

Yalçinkaya S., Kalaycıoğlu H., Çizmecioğlu Z., Dikicioğlu A., 5th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Scientific Congress, İstanbul, Turkey, Nisan 2021

Yalçinkaya S., Güllü A., 1th International Congress on Engineering Sciences and Multidisciplinary Approaches, 23-24 February 2021, Scientific Congress, İstanbul, Turkey, Şubat 2021

Yalçinkaya S., 6 th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Aralık 2020

Yalçinkaya S., 4 th INTERNATIONAL CONGRESS ON ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Aralık 2020

Yalçinkaya S., 4th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Scientific Congress, İstanbul, Turkey, Kasım 2020

Yalçinkaya S., 5RD INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Scientific Congress, İstanbul, Turkey, Aralık 2019

Yalçinkaya S., 3rd INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Scientific Congress, İstanbul, Turkey, Mayıs 2019

Yalçinkaya S., 4th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2019., Scientific Congress, Antalya, Turkey, Nisan 2019

Yalçinkaya S., 4th International Conference on Mechanical Design and Engineering, EI Compendex, Scopus, 2018., Scientific Congress, Beijing, China, Mart 2018

Yalçinkaya S., 1. International Turkish World Engineering and Science Congress. 2017., Scientific Congress, Antalya, Turkey, Aralık 2017

Yalçinkaya S., The 8 th International Conference on Advanced Materials Research (ICAMR 2017) 2017, Scientific Congress, Kowloon, Hong Kong, Ocak 2017

## Metrics

Publication: 165

Citation (WoS): 10

Citation (Scopus): 87

H-Index (WoS): 9

H-Index (Scopus): 6

## Congress and Symposium Activities

2nd International Materials Engineering and Advanced Manufacturing Technologies Congress (IMEAMTC'23) 12-13 JANUARY 2023 İSTANBUL, Session Moderator, İstanbul, Turkey, 2023

2nd International Materials Engineering and Advanced Manufacturing Technologies Congress (IMEAMTC'23) 12-13 JANUARY 2023 İSTANBUL, Moderator, İstanbul, Turkey, 2023

3rd International Congress on Engineering Sciences and Multidisciplinary Approaches, Moderator, İstanbul, Turkey, 2022

3th International Congress on Engineering Sciences and Multidisciplinary Approaches 10-11 FEBRUARY 2022, Session Moderator, İstanbul, Turkey, 2022

6th INTERNATIONAL CONGRESS ON ARCHITECTURE AND DESIGN, Session Moderator, İstanbul, Turkey, 2021

8th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Session Moderator, İstanbul, Turkey, 2021

6th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Session Moderator, İstanbul, Turkey, 2021

2rd International Congress on Engineering Sciences and Multidisciplinary Approaches, Session Moderator, İstanbul, Turkey, 2021

5th INTERNATIONAL CONGRESS ON ARCHITECTURE AND DESIGN, Session Moderator, İstanbul, Turkey, 2021

7th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Session Moderator, İstanbul, Turkey, 2021

5 th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Session Moderator, İstanbul, Turkey, 2021

International Congress on Engineering Sciences and Multidisciplinary Approaches, Session Moderator, İstanbul, Turkey, 2021

5RD INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, 21-22 December İstanbul/ TURKEY, Session Moderator, İstanbul, Turkey, 2019

INTERNATIONAL CONGRESS OF ACADEMIC RESEARCH (ICARCONGRESS 2019) TURKEY, Bolu, Türkiye, 16 - 18 Eylül 2019, Working Group, Bolu, Turkey, 2019

4th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2019 , Moderator, Antalya, Turkey, 2019

TURKEYTRIB'18, 2ND INTERNATIONAL CONFERENCE ON TRIBOLOGY, İstanbul, Türkiye, 18 - 20 Nisan 2018, Working Group, İstanbul, Turkey, 2018

3rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2018 19 - 21 APRİL, 2018, ANTALYA, TR, Moderator, Antalya, Turkey, 2018

4th Int. Conf. on Mechanical Design and Engineering, EI Compendex, Scopus, Wednesday, 28 March 2018, Beijing, China, Working Group, Beijing, China, 2018

1. International Turkish World Engineering and Science Congress. 7-10 DECEMBER 2017. Antalya. TR., Working Group, Antalya, Turkey, 2017

9. International Conference on Tribology (BalkanTRIB'17), Capodokya, Nevşehir, Türkiye, 13 - 15 Eylül 2017, Moderator, Nevşehir, Turkey, 2017

PROCEEDINGS OF THE SECOND INTERNATIONAL SYMPOSIUM OF MECHANISM AND MACHINE SCIENCE (ISMMS-2017) 11-14 September 2017, AzTU, Baku, Azerbaijan, BAKU, 2017., Working Group, Baku, Azerbaijan, 2017

IBERTRIB 2017- IX Iberian Conference on Tribology, University of Minho, Guimaraes, PORTO, PORTEKİZ, 11 - 13 Haziran 2017, Working Group, Porto, Portugal, 2017

The 8 th International Conference on Advanced Materials Research (ICAMR 2017) 2017, January 20-22, Hong Kong, Session Moderator, Victoria-City, Hong Kong, 2017

7. ULUSLARARASI TALAŞLI İMALAT SEMPOZYUMU (UTİS 2016)/ 7th INTERNATIONAL SYMPOSIUM ON MACHINING (UTIS 2016), İstanbul, Türkiye, 3 - 05 Kasım 2016., Working Group, İstanbul, Turkey, 2016

13th International Conference on Tribology (ROTRIB 2016), Galati, Romanya, 22 - 24 Eylül 2016, , Working Group, Galati, Romania, 2016

17th International Conference on Machine Design and Production (UMTİK 2016), Bursa, Türkiye, 12 - 15 Temmuz 2016, Working Group, Bursa, Turkey, 2016

The International Conference on Advanced Materials Research, ICAMR 2016 Turin, Italy | January 22-24, 2016, Working

Group, Turin, Italy, 2016

## Invited Talks

MARMARAY DEMİRYOLU HATTINDA RAY KUSURLARININ ULTRASONİK YÖNTEMLE İNCELENMESİ VE RAY KUSURLARININ TESPİTİ, Conference, 6th INTERNATIONAL ACADEMIC STUDENT STUDIES CONGRESS, Turkey, April 2022

3th International Congress on Engineering Sciences and Multidisciplinary Approaches 10-11 FEBRUARY 2022 İSTANBUL, Conference, 3th International Congress on Engineering Sciences and Multidisciplinary Approaches 10-11 FEBRUARY 2022 İSTANBUL, Turkey, February 2022

2nd International Research Conference on Technology,Engineering,Culture and Society,12-14 October 2021, PHİLİPPİNES. "Topic: Latest Trends on Technology and Engineering Designs for Climate Change Adaptation"., Conference, 2nd International Research Conference on Technology,Engineering,Culture and Society,12-14 October,PHİLİPPİNES, Philippines, October 2021

INTERNATIONAL CONGRESS ON MEDICAL 1 th SCIENCES AND MULTIDISCIPLINARY APPROACHES, Conference, 1 th. INTERNATIONAL CONGRESS ON MEDICAL SCIENCES AND MULTIDISCIPLINARY APPROACHES, Turkey, February 2021 1th.INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, Conference, INTERNATIONAL CONGRESS ON ENGINEERING SCIENCES AND MULTIDISCIPLINARY APPROACHES, Turkey, February 2021

4 th INTERNATIONAL CONGRESS ON NURSING AND INNOVATION, Conference, ORP DANIŞMANLIK VE ORGANİZASYON, Turkey, December 2020

4 th International Congress on Students Academic Students, Conference, ORP DANIŞMANLIK VE ORGANİZASYON, Turkey, December 2020

6 th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, Conference, ORP DANIŞMANLIK VE ORGANİZASYON, Turkey, December 2020

4 th INTERNATIONAL CONGRESS ON ENGINEERING AND TECHNOLOGY MANAGEMENT, Conference, ORP DANIŞMANLIK VE ORGANİZASYON, Turkey, November 2020

ICAMR 2017. The 7.th International Conference on Advanced Materials Research.Hong Kong | January 20-22, 2017, Conference, The 7.th International Conference on Advanced Materials Research, Hong Kong, January 2017

## Visual Activities

Yalçınkaya S., ULUSLARARASI HAKEMLİ MÜHENDİSLİK VE FEN BİLİMLERİ DERGİSİ, Journal Publishing, 2021 - Continues

## Representation and Promotion Activities

Institutional Promotion, 2. INTERNATIONAL MATERIALS ENGINEERING AND ADVANCED MANUFACTURING TECHNOLOGIES CONGRESS (IMEAMTC'23), Turkey, İstanbul, 2023 - 2023

## Non Academic Experience

University of Minho

University of Stuttgart