

## Prof. OSMAN NURİ ÇELİK

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-1257-1356

Publons / Web Of Science ResearcherID: E-2895-2012

Yoksis Researcher ID: 171200

### Education Information

Doctorate, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), Turkey 1989 - 1996

Postgraduate, Anadolu University, Institute Of Science, Makine Mühendisliği (YI) (Tezli), Turkey 1987 - 1989

Undergraduate, Anadolu University, Faculty Of Engineering-Architecture, Department Of Mechanical Engineering, Turkey 1983 - 1987

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Küresel grafitli dökme demirlerde Cu, Ni ve Mo alaşım elementlerinin ostemperleme sonucu bey nit oluşumuna etkisinin incelenmesi ve sinirsel ağ modeli ile değerlendirilmesi, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), 1996

Postgraduate, Nitrürasyon tav fırını dizaynı ve nitrürasyonu etkileyen parametrelerin incelenmesi, Anadolu University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 1989

### Research Areas

Tribology, Machine Elements, Machine Design, Material

### Academic Titles / Tasks

Professor, Eskişehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Makine Mühendisliği Bölümü, 2020 - Continues

Associate Professor, Eskişehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Makine Mühendisliği

Bölümü, 2015 - 2020

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Makine Mühendisliği Bölümü, 1996 - 2015

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Makine Mühendisliği Bölümü, 1993 - 1996

Research Assistant, Anadolu University, Faculty Of Engineering, Department Of Mechanical Engineering, 1987 - 1993

## Academic and Administrative Experience

Eskisehir Osmangazi University, ESKİŞEHİR MESLEK YÜKSEKOKULU, 2013 - 2019

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Makine Mühendisliği Bölümü, 2004 - 2007

Eskisehir Osmangazi University, REKTÖRLÜK, 1999 - 2004

Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Metalurji Ve Malzeme Mühendisliği Bölümü, 1996 - 1999

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

- I. **Lubricity assessment of ultra-low sulfur diesel fuel (ULSD), biodiesel, and their blends, in conjunction with pure hydrocarbons and biodiesel based compounds**  
Tat M. E., Çelik O. N., Er Ü., Gaşan H., Ulutan M.  
International Journal of Engine Research, vol.23, no.2, pp.214-231, 2022 (SCI-Expanded)
- II. **Improvement of the Machinability of Ti-6Al-4V Alloy Wire Electro Discharge Machining with Cryogenic Treatment**  
ÇAKIR F. H., ÇELİK O. N.  
Metals and Materials International, vol.27, no.9, pp.3529-3537, 2021 (SCI-Expanded)
- III. **Anisotropic mechanical and tribological properties of SiAlON matrix composites containing different types of GNPs**  
Baskut S., Sert A., Çelik O. N., Turan S.  
Journal of the European Ceramic Society, vol.41, no.3, pp.1878-1890, 2021 (SCI-Expanded)
- IV. **Influence of Cryogenic Treatment on Microstructure and Mechanical Properties of Ti6Al4V Alloy**  
Çakır F. H., Çelik O. N.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.29, no.10, pp.6974-6984, 2020 (SCI-Expanded)
- V. **Influence of shallow and deep cryogenic treatment on the corrosion behavior of Ti6Al4V alloy in isotonic solution**  
ÖTEYAKA M. Ö., ÇAKIR F. H., ÇELİK O. N.  
MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, vol.71, no.7, pp.1206-1215, 2020 (SCI-Expanded)
- VI. **Tribological Properties of Cryo-Treated and Aged Ti6Al4V Alloy**  
Çakır F. H., Çelik O. N.  
TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, vol.73, no.3, pp.799-809, 2020 (SCI-Expanded)
- VII. **Effects of Al on the Phase Volume Fractions and Wear Properties in the Al<sub>x</sub>CoCrFeMoNi High Entropy Alloy System**  
Gaşan H., Lökçü E., Ozcan A., Çelik O. N., Çelikyürek İ., Ulutan M., Kurtulus Y.  
METALS AND MATERIALS INTERNATIONAL, vol.26, no.3, pp.310-320, 2020 (SCI-Expanded)
- VIII. **Tribological behavior of UHMWPE matrix composites reinforced with PTFE particles and aramid fibers**  
GÜRGEN S., ÇELİK O. N., KUŞHAN M. C.  
COMPOSITES PART B-ENGINEERING, vol.173, 2019 (SCI-Expanded)
- IX. **Characterization of the mechanism of cryogenic treatment on the microstructural changes in tungsten carbide cutting tools**

SERT A., ÇELİK O. N.

MATERIALS CHARACTERIZATION, vol.150, pp.1-7, 2019 (SCI-Expanded)

- X. **Inspection of nickel-based boron carbide PTA coatings on AISI 4140 steel**  
Mehmet G. M., Çelik O. N.  
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.71, no.4, pp.548-556, 2019 (SCI-Expanded)
- XI. **Effect of cryogenic treatment on the microstructure and the wear behavior of WC-Co end mills for machining of Ti6Al4V titanium alloy**  
Çelik O. N., Sert A., Gaşan H., Ulutan M.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.95, pp.2989-2999, 2018 (SCI-Expanded)
- XII. **Effect of heat treatment on the bending behavior of aluminum alloy tubes**  
SERT A., GÜRGEN S., ÇELİK O. N., KUŞHAN M. C.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, no.11, pp.5273-5278, 2017 (SCI-Expanded)
- XIII. **Effect of Isothermal Bainitic Quenching on Rail Steel Impact Strength and Wear Resistance**  
ÇAKIR F. H., ÇELİK O. N.  
METAL SCIENCE AND HEAT TREATMENT, vol.59, pp.289-293, 2017 (SCI-Expanded)
- XIV. **The effects of cryogenic treatment on the toughness and tribological behaviors of eutectoid steel**  
ÇAKIR F. H., ÇELİK O. N.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, no.7, pp.3233-3239, 2017 (SCI-Expanded)
- XV. **Modeling and analysis of the effects of nano-oil additives on wear properties of AISI 4140 steel material using mixture design**  
BURUK ŞAHİN Y., ÇELİK O. N., Burnak N., AKTAR DEMİRTAŞ E.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, vol.230, no.4, pp.442-451, 2016 (SCI-Expanded)
- XVI. **Wear behavior of SiC-reinforced surface composite A17075-T651 aluminum alloy produced using friction stir processing**  
SERT A., ÇELİK O. N.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.21, no.1, pp.35-43, 2014 (SCI-Expanded)
- XVII. **Wear Characteristics of Traditional Manganese Phosphate and Composite hBN Coatings**  
AY N., ÇELİK O. N., GÖNCÜ Y.  
TRIBOLOGY TRANSACTIONS, vol.56, no.6, pp.1109-1118, 2013 (SCI-Expanded)
- XVIII. **Effect of Nano Hexagonal Boron Nitride Lubricant Additives on the Friction and Wear Properties of AISI 4140 Steel**  
ÇELİK O. N., Ay N., GÖNCÜ Y.  
PARTICULATE SCIENCE AND TECHNOLOGY, vol.31, no.5, pp.501-506, 2013 (SCI-Expanded)
- XIX. **Microstructural and Wear Characteristics of High Velocity Oxygen Fuel (HVOF) Sprayed NiCrBSi-SiC Composite Coating on SAE 1030 Steel**  
BUYTOZ S., ULUTAN M., ISLAK S., Kurt B., ÇELİK O. N.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.38, no.6, pp.1481-1491, 2013 (SCI-Expanded)
- XX. **Microstructure and wear properties of WC particle reinforced composite coating on Ti6Al4V alloy produced by the plasma transferred arc method**  
ÇELİK O. N.  
APPLIED SURFACE SCIENCE, vol.274, pp.334-340, 2013 (SCI-Expanded)
- XXI. **Particle Size Distribution and Shape Characterization of the Chips Produced During Granite Machining in Relation to Process Forces and Specific Energy**  
YILMAZ N., Goktan R. M., GAŞAN H., ÇELİK O. N.  
PARTICULATE SCIENCE AND TECHNOLOGY, vol.31, no.3, pp.277-286, 2013 (SCI-Expanded)
- XXII. **Inspection of friction and wear properties of railway rails**  
Ay G. M., Çelik O. N.  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.16, no.2, pp.89-95, 2013 (SCI-Expanded)

- XXIII. **Effect of V, Nb, Ti and graphite additions on the hydrogen desorption temperature of magnesium hydride**  
GAŞAN H., ÇELİK O. N., Aydinbeyli N., Yaman Y. M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.2, pp.1912-1918, 2012 (SCI-Expanded)
- XXIV. **Effects of graphite content on the microstructure and wear properties of an AISI 8620 steel surface modified by tungsten inert gas (TIG)**  
ÇELİK O. N., ULUTAN M., GAŞAN H., ER Ü., BUYTOZ S.  
SURFACE & COATINGS TECHNOLOGY, vol.206, no.6, pp.1423-1429, 2011 (SCI-Expanded)
- XXV. **Microstructure and Wear Behavior of TIG Surface-Alloyed AISI 4140 Steel**  
ULUTAN M., YILDIRIM M. M., BUYTOZ S., ÇELİK O. N.  
TRIBOLOGY TRANSACTIONS, vol.54, no.1, pp.67-79, 2011 (SCI-Expanded)
- XXVI. **Tribological Properties of Borided AISI 4140 Steel with the Powder Pack-Boriding Method**  
ULUTAN M., YILDIRIM M. M., ÇELİK O. N., BUYTOZ S.  
TRIBOLOGY LETTERS, vol.38, no.3, pp.231-239, 2010 (SCI-Expanded)
- XXVII. **Effect of Different Surface Treatment Methods on the Friction and Wear Behavior of AISI 4140 Steel**  
ULUTAN M., ÇELİK O. N., GAŞAN H., ER Ü.  
JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, vol.26, no.3, pp.251-257, 2010 (SCI-Expanded)
- XXVIII. **The dependence of the hydrogen desorption temperature of MgH<sub>2</sub> on its structural and morphological characteristics**  
GAŞAN H., Aydinbeyli N., ÇELİK O. N., Yaman Y. M.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.487, pp.724-729, 2009 (SCI-Expanded)
- XXIX. **Effect of dent geometry on fatigue life of aircraft structural cylinder part**  
Diltemiz S. F., Uzunonay Y., Kushan M. C., ÇELİK O. N.  
ENGINEERING FAILURE ANALYSIS, vol.16, no.4, pp.1203-1207, 2009 (SCI-Expanded)
- XXX. **Boride layer growth kinetics of the borided hypoeutectoid plain carbon steels by the powder-pack method**  
ÇELİK O. N., Aydinbeyli N., GAŞAN H.  
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.45, no.7, pp.334-347, 2008 (SCI-Expanded)
- XXXI. **Effect of the heating rate on crystallization behavior of mechanically alloyed Mg<sub>50</sub>Ni<sub>50</sub> amorphous alloy**  
Aydinbeyli N., ÇELİK O. N., Gasan H., Aybar K.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.31, no.15, pp.2266-2273, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Effect of Graphite Particles as Lubricant Additive on the Friction and Wear Behaviour of AISI H11 Steel**  
ÜNLÜOĞLU O., ÇELİK O. N.  
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, no.4, pp.1495-1503, 2022 (ESCI)
- II. **Maintenance Error Detection Procedure and A Case Study of Failure Analysis Locomotive Diesel Engine Bearings**  
ÇAKIR F. H., SERT A., ÇELİK O. N., Dereoglu N.  
JOURNAL OF FAILURE ANALYSIS AND PREVENTION, vol.18, no.2, pp.356-363, 2018 (ESCI)
- III. **A New Approach To Chip Breaking Application In Turning Operation Using Variable Feed Rates**  
ÇAKIR F. H., ÇELİK O. N.  
Cumhuriyet Science Journal, vol.38, no.4, pp.188-196, 2017 (Peer-Reviewed Journal)
- IV. **FRICITION AND WEAR BEHAVIOR OF PLASMA TRANSFERRED ARC COATING ON AISI 4140 STEEL OF BORON CARBIDE AND NICKEL POWDER MIXTURE**  
Ay G. M., Çelik O. N.  
The Online Journal of Science and Technology, vol.7, no.1, pp.54-62, 2017 (Peer-Reviewed Journal)

- V. **ADHESIVE WEAR BEHAVIOR OF TIN AND CRNCOATED DIN115CRV3 STEEL TOOLS AT DIFFERENT LOAD CONDITIONS**  
ÖTEYAKA M. Ö., Yıldırım M. M., ULUTAN M., ÇELİK O. N.  
International Journal of Advances in Mechanical and Civil Engineering, vol.2, no.5, pp.1-4, 2015 (Peer-Reviewed Journal)
- VI. **An optimization approach to prevent chatter vibrations**  
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., ÇELİK O. N., KUŞHAN M. C.  
Int. J. Manag. Appl. Sci., 2015 (Peer-Reviewed Journal)
- VII. **Flexible Fixturing Systems For Low Production Quantities**  
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., ÇELİK O. N., KUŞHAN M. C.  
International Journal of Mechanical And Production Engineering,, vol.3, no.8, pp.18-20, 2015 (Peer-Reviewed Journal)
- VIII. **Tribological behaviours of lubricating oils with CNT and Si3N4 nanoparticle additives**  
MEHMET NİYAZİ Ç., ÇELİK O. N., SERT A.  
Archives of Materials Science and Engineering, vol.67, no.2, pp.53-59, 2014 (Scopus)
- IX. **Borlanmış AISI 1030 çeliğinin abrazif aşınma özellikleri**  
ÇELİK O. N., AKBAYIR Ö., GAŞAN H., ER Ü., AYDINBEYLİ N.  
Eskişehir Osmangazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.21, no.1, pp.71-86, 2008 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **The Microstructure and Mechanical Properties of Novel (Co40Cr10Fe30Nb10Ni10)92Al8 Eutectic High Entropy Alloy**  
ÖZCAN A., GAŞAN H., ÇELİK O. N.  
International Conference on Modern research in Engineering, Technology Science, 29 - 31 March 2019
- II. **The Phase Stability and Mechanical Properties of (Co40Cr10Fe5Mo5Ni40)82,20Al17,80 Eutectic High Entropy Alloy**  
GAŞAN H., ÖZCAN A., ÇELİK O. N.  
International Conference On Modern research in Engineering, Technology and Science, 29 - 31 March 2019
- III. **Microstructure and Mechanical Properties(Co40Cr10Fe5Mo5Ni40)82,2Al17,8 Eutectic HighEntropy Alloy**  
GAŞAN H., ÖZCAN A., ÇELİK O. N.  
3rd INTERNATIONAL CONFERENCE ONADVANCES INNATURAL APPLIED SCIENCEICANAS 2018, 9 - 12 May 2018
- IV. **Study of Carbide Evolution During Heat Treatment of AISI D2 Tool Steel**  
ÇAVUŞOĞLU N., SERT A., ÇELİK O. N., CEYHUN V.  
International Conference on Engineering Technologies (ICENTE'17), Konya, Turkey, 7 - 09 December 2017, pp.129
- V. **Effect of Ti addition on microstructure and Hardness of Al1.5CoCr FeMoNi high entropy alloys**  
GAŞAN H., LÖKÇÜ E., ÇELİK O. N., Özcan A., ÇELİK YÜREK İ., ULUTAN M.  
METAL 2017 26. International conference on Metallurgy and Materials, Brno, Czech Republic, 24 - 26 May 2017, pp.79
- VI. **Effect of Mo Addition on the Microstructure and Mechanical Properties of AlCoCrFeNi Eutectic High Entropy Alloys**  
ÖZCAN A., GAŞAN H., ÇELİK O. N.  
26TH INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS - METAL 2017, 24 - 26 May 2017
- VII. **Investigation of the Mechanism of Cryogenic Treatment on the Microstructural Changes in Tungsten Carbide Tools**  
SERT A., ÇELİK O. N., GAŞAN H.  
3th International Conference on Engineering and Natural Science - ICENS2017, Budapest, Hungary, 3 - 07 May 2017, pp.295

- VIII. **Cutting Performance of Different Co Content of Tungsten Carbide Cutting Tools for Titanium Alloy Milling**  
SERT A., ÇELİK O. N.  
3th International Conference on Engineering and Natural Science - ICENS2017, Budapest, Hungary, 3 - 07 May 2017, pp.124
- IX. **An overview of parameters affecting ball-on-disk test**  
AY G. M., SOFUOĞLU M. A., ÇELİK O. N.  
International Congress on Applied Science and Technology (ASTECH'xx2017), 17 - 20 April 2017
- X. **Characterisation of Tribological Properties of Lubricating Oil with Silicon Nitride Nanoparticle Additives**  
SERT A., SAVACI U., ÇELİK O. N., TURAN S.  
The 18th International Metallurgy Materials Congress, İstanbul, Turkey, 29 September - 01 October 2016, pp.455-458
- XI. **A Study of Quantitative Metallography and X Ray Diffraction Methods for Quantifying Carbide Amount in AISI D2 Tool Steel**  
SERT A., GÜRGEN S., ÇELİK O. N.  
IMMC 2016 18th International Metallurgy & Materials Congress, İstanbul, Turkey, 29 October - 01 November 2016, pp.459-462
- XII. **Characterization of Tribological Properties of Lubricating Oil With Silicon Nitride Nanoparticle Additives**  
SERT A., SAVACI U., ÇELİK O. N., TURAN S.  
IMMC 2016 18th International Metallurgy & Materials Congress, İstanbul, Turkey, 29 October - 01 November 2016, pp.455-458
- XIII. **An Overview of Plasma Transferred Arc Coating on Metals**  
AY G. M., ÇELİK O. N.  
2nd International Congress on The World of Technology and Advanced Materials, Kırşehir, Turkey, 28 September - 02 October 2016
- XIV. **A Review of Minimum Quantity Lubrication for Machining Process**  
AY G. M., ÇELİK O. N.  
WITAM-2016 2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, Kırşehir, Turkey, 28 September - 02 October 2016
- XV. **Friction and Wear Behavior of Plasma Transferred Arc Coating on AISI 4140 Steel of Boron Carbide and Nickel Powder Mixture**  
AY G. M., ÇELİK O. N.  
ISTEC 2016 International Science and Technology Conference, Viyana, Austria, 13 - 15 July 2016, pp.416-425
- XVI. **Open Source in Tribology Analyzing and Visualizing Tribology Data with R**  
AY G. M., ÇELİK O. N.  
1 st International Conference on Engineering Technology and Applied Sciences, Afyon, Turkey, 21 - 22 April 2016
- XVII. **Effect of Mo Content on Structure and Wear Behavior of AlCoCrFeMoxNi x 0 5 1 0 High Entropy Alloys**  
GAŞAN H., LÖKÇÜ E., özcan a., ÇELİK O. N., ÇELİK YÜREK İ., ULUTAN M., kurtuluş y.  
25th International Conference on Metallurgy and Materials, Bruno, Czech Republic, 25 - 27 May 2016
- XVIII. **Tribological Examination of Hardened Two Types Boron Steel for Railway Applications**  
ÇAKIR F. H., BOZKURT F., ÇELİK O. N., ER Ü.  
IWCEA 2015, 30 November - 01 December 2015
- XIX. **WEAR BEHAVIOUR OF BORON CARBIDE POWDER REINFORCED COATING ON AISI 4140 PRODUCED BY PLASMA TRANSFERRED ARC**  
AY G. M., ÇELİK O. N.  
International Science and Technology Conference 2015, St. Petersburg, Russia, 2 - 04 September 2015, pp.965-973
- XX. **Wear Behavior of Boron Carbide Powder Reinforced Coating on AISI 4140 Produced by Plasma Transferred Arc**

AY G. M., ÇELİK O. N.

International Science and Technology Conference, 2 - 04 September 2015

- XXI. **ADHESIVE WEAR BEHAVIOR OF TIN AND CRNCOATED DIN115CRV3 STEEL TOOLS AT DIFFERENT LOAD CONDITIONS**  
ÖTEYAKA M. Ö., YILDIRIM M. M., ULUTAN M., ÇELİK O. N.  
Proceedings of 8th ISERD International Conference, İstanbul, Turkey, 9 - 11 August 2015, pp.69-72
- XXII. **Adhesive Wear Behavior of TiN and CrN Coated DIN 115 CrV 3 Steel Tools at Different Load Conditions**  
ÖTEYAKA M. Ö., YILDIRIM M. M., ULUTAN M., ÇELİK O. N.  
International Conference on Chemical and Biochemical Engineering, 09 August 2015
- XXIII. **An Optimization Approach to Prevent Chatter Vibrations**  
Sofuoğlu M. A., Çakır F. H., Gürgen S., Orak S., Çelik O. N., Kuşhan M. C.  
27th The IIER International Conference, Samara, Russia, 05 June 2015, pp.37-39
- XXIV. **An optimization approach to prevent chatter vibrations**  
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., ÇELİK O. N., KUŞHAN M. C.  
27 th TheIIER International Conference, St. Petersburg, Russia, 05 June 2015
- XXV. **Flexible fixturing system for low production quantities**  
Çakır F. H., Gürgen S., Sofuoğlu M. A., Çelik O. N., Kuşhan M. C., Orak S.  
Proceeding of 27th The IIER International Conference, Sankt-Peterburg, Russia, 05 June 2015, pp.56-58
- XXVI. **Flexible fixturing systems for low production quantities**  
ÇAKIR F. H., GÜRGEN S., SOFUOĞLU M. A., ÇELİK O. N., KUŞHAN M. C., ORAK S.  
27 th TheIIER International Conference, St. Petersburg, Russia, 05 June 2015
- XXVII. **An optimization approach to prevent chatter vibration**  
Sofuoğlu M. A., Çakır F. H., Gürgen S., Orak S., Çelik O. N., Kuşhan M. C.  
Proceeding of 27th The IIER International Conference, Sankt-Peterburg, Russia, 05 June 2015, pp.37-39
- XXVIII. **AN OPTIMIZATION APPROACH TO PREVENT CHATTER**  
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., ÇELİK O. N., KUŞHAN M. C.  
Proceedings of 27th The IIER International Conference, St. Petersburg, Russia, 5 - 07 June 2015
- XXIX. **Finite element modelling of ultrasonic assisted turning of Ti6Al4V alloy**  
ÇAKIR F. H., ÇELİK O. N., KUŞHAN M. C., GÜRGEN S., SOFUOĞLU M. A.  
WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP (WCTIE 2015), İstanbul, Turkey, 28 - 30 May 2015
- XXX. **Structural Improvement of Train Rail with Different Heat Treatment**  
ÇAKIR F. H., ÇELİK O. N.  
ISTANBUL UNIVERSITY WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP  
"ENTREPRENEURSHIP FOR TECHNOLOGY AND INNOVATION - BASED SUSTAINABLE DEVELOPMENT", 28 - 30 May 2015
- XXXI. **Finite Element Modelling of Ultrasonic Assisted Turning of Ti6Al4 Alloy**  
Çakır F. H., Çelik O. N., Kuşhan M. C., Gürgen S., Sofuoğlu M. A.  
ISTANBUL UNIVERSITY WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP  
"ENTREPRENEURSHIP FOR TECHNOLOGY AND INNOVATION - BASED SUSTAINABLE DEVELOPMENT", İstanbul, Turkey, 28 - 30 May 2015
- XXXII. **Structural Improvement of Train Rail with Different Heat TreatmentProcess**  
ÇAKIR F. H., ÇELİK O. N.  
ISTANBUL UNIVERSITYWORLD CONFERENCEON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP, İstanbul, Turkey, 28 - 30 May 2015
- XXXIII. **Flexible Fixturing Systems for Low Production Quantities**  
SOFUOĞLU M. A., ÇAKIR F. H., GÜRGEN S., ORAK S., ÇELİK O. N., KUŞHAN M. C.  
27th The IIER International Conference, St. Petersburg, Russia, 4 December - 05 June 2015
- XXXIV. **Finite Element Modeling of Ultrasonic Assisted Turning of Ti6Al4V Alloy**  
ÇAKIR F. H., GÜRGEN S., SOFUOĞLU M. A., ÇELİK O. N., KUŞHAN M. C.

World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2839-2848

- XXXV. **Microstructural Characterization of Surface Alloyed Al7075-T651 Aluminum Alloy by Friction Stir Processing**  
SERT A., ÇELİK O. N.  
15th International Materials Symposium, Denizli, Turkey, 15 - 17 October 2014, pp.342-347
- XXXVI. **Tribological Behaviors of Lubricating Oils with CNT and Si3N4 Nanoparticle Additives**  
ÇÖL M. N., ÇELİK O. N., SERT A.  
15th International Materials Symposium, Denizli, Turkey, 15 - 17 October 2014, pp.334-341
- XXXVII. **A Novel Approach for Armor Applications of Shear Thickening Fluids in Aviation and Defense Industry**  
ÇAKIR F. H., GÜRGEN S., SOFUOĞLU M. A., ÇELİK O. N., KUŞHAN M. C., ORAK S.  
AFASES 2014, Brasov, Romania, 22 - 24 May 2014, vol.1, pp.179-187
- XXXVIII. **Investigation of Lubrication and Wear Properties of Biodiesel and Diesel Fuels on Fuel Pump Material**  
TAT M. E., ÇELİK O. N., KNOTHE G., ER Ü., GAŞAN H., ULUTAN M.  
World Conference on Oilseed Processing, Fats & Oils Processing, Biofuels & Applications, İzmir, Turkey, 21 - 23 June 2011
- XXXIX. **Effect of Lubrication and Wear Properties of Biodiesel added Ultra Low Sulfur Diesel (ULSD) Fuel on Common Rail Fuel Injection Pump Material**  
TAT M. E., ÇELİK O. N., KNOTHE G., ER Ü., GAŞAN H., ULUTAN M.  
World Conference on Oilseed Processing, Fats & Oils Processing, Biofuels & Applications, İzmir, Turkey, 21 - 23 June 2011, pp.34
- XL. **TIG Yöntemiyle Yüzey Özellikleri Değiştirilen AISI 8620 Çeliğinin Adhesif Aşınma Özelliklerinin İncelenmesi**  
ÇELİK O. N., ULUTAN M., BUYTOZ S., GAŞAN H., ER Ü.  
13th International Materials Symposium IMSP'2010, Denizli, Turkey, 13 - 15 October 2010, pp.1504-1511
- XLI. **The Investigation Of Adhesive Wear Properties Of Borided AISI 316 L Stainless Steel**  
ÇELİK O. N., SERT A., YILMAZ A.  
13th International Materials Symposium, Denizli, Turkey, 13 - 15 October 2010, pp.253
- XLII. **An investigation on fatigue life of borided AISI 1010 steel**  
ÇELİK O. N., GAŞAN H., ULUTAN M., MURAT S.  
Proceedings of 12th International Materials Symposium(IMSP'2008), Denizli, Turkey, 15 - 17 October 2008, pp.123-130
- XLIII. **Mekanik alaşımlama yöntemi ile üretilen amorf Mg50Ni50 alaşımının ısıl kararlılığı**  
AYBAR K., AYDINBEYLİ N., GAŞAN H., ÇELİK O. N.  
11. Uluslararası Denizli Malzeme Sempozyumu, 19 - 21 April 2006, pp.755-759
- XLIV. **Ostempelenmiş Küresel Grafitli Dökme Demirlerde Isıl İşlem Şartlarının Sertliğe Etkisi**  
KOMAÇ O. Ş., ÇELİK O. N.  
1. Ulusal Metalurji ve Malzeme Günleri, Turkey, 27 - 28 May 2004
- XLV. **Breakage Characterization of Pyrite by Image Analyzer**  
BOZKURT R., TAŞDEMİR A., ÇELİK O. N.  
7th International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 September 1998, pp.49-54

## Supported Projects

AY G. M., SERT A., ÇELİK O. N., Project Supported by Higher Education Institutions, Hekzagonal Bor Nitrür içeren Polimer Gres Üretimi, 2018 - Continues

AY G. M., ÇELİK O. N., Project Supported by Higher Education Institutions, Kaynaklı Yüzey Kaplama Malzemelerinin Testini Kolaylaştırmak için Bir Yöntem, 2017 - Continues



ÇELİK O. N., GAŞAN H., Project Supported by Higher Education Institutions, Aşınma Direnci Artırılmış Medikal Matkap Ucu Tasarımı, İmalatı ve Karakterizasyonu, 2018 - 2020

Kuşhan M. C., Çelik O. N., Gürgen S., Project Supported by Higher Education Institutions, UHMWPE matrisli kompozit yapıların mekanik ve tribolojik davranışlarının incelenmesi, 2018 - 2019

GAŞAN H., ÇELİK O. N., Project Supported by Higher Education Institutions, Medikal Matkap Ucu Malzemelerinin Mekanik Alaşım Yöntemi ile Üretilmesinde Bor İlavesinin Mekanik Özelliklere Olan Etkisinin İncelenmesi, 2017 - 2019

ÇELİK O. N., ÇAKIR F. H., ÇAKIR F. H., Project Supported by Higher Education Institutions, Titanyum alaşımlarına kriyojenik işlemin etkilerinin araştırılması, 2017 - 2019

GAŞAN H., ÇELİK O. N., Project Supported by Higher Education Institutions, AlCoCrFeMoNi Ötektik Yüksek Entropili Alaşımların Tasarımı, Üretilmesi ve Karakterizasyonu, 2016 - 2018

ÇELİK O. N., KARAHAN E., TUBITAK Project, Fen Bilimleri Öğretmenlerine Yönelik Probleme Dayalı STEM Eğitimi Uygulamaları, 2016 - 2017

SERT A., ULUTAN M., GAŞAN H., ÇELİK O. N., Project Supported by Higher Education Institutions, Ti6Al4V Alaşımının WC-Co Karbür Takımlar İle Talaşlı İmalatının İyileştirilmesi, 2015 - 2017

ULUTAN M., GAŞAN H., LÖKÇÜ E., ÇELİK O. N., ÇELİK YÜREK İ., Project Supported by Higher Education Institutions, Yüksek Entropili Alaşım YEA Tasarımı Anlayışı İle Üretilen AlCoCrFeMoNi Alaşımının Ti ve V İlavesi ile Aşınma Özelliklerinin İyileştirilmesi, 2014 - 2017

AY G. M., ÇELİK O. N., Project Supported by Higher Education Institutions, Çelik yüzey özelliklerini geliştirmek için PTA ile yenilikçi kaplama incelenmesi, 2015 - 2016

GAŞAN H., Kurtuluş Y., ULUTAN M., ÇELİK O. N., ÇELİK YÜREK İ., LÖKÇÜ E., ÖZCAN A., Project Supported by Higher Education Institutions, Yüksek-Entropili Alaşım (YEA) Tasarımı Anlayışı İle Üretilen AlCoCrFeMoNi Alaşımının Ti ve V İlavesi ile Aşınma Özelliklerinin İyileştirilmesi, 2014 - 2016

DİKMEN G., AŞKIN A., ÇELİK O. N., BÜTÜN V., ŞİRİN D. Ü., Project Supported by Higher Education Institutions, Malzeme biliminde X Işını teknolojisinin kullanımı ve yapı karakterizasyonu, 2014 - 2016

ÇELİK O. N., Project Supported by Higher Education Institutions, Alaşım Çeliklerde Kırılma Yüzeylerinin Makroskobik Analizi, 2014 - 2015

ÇELİK O. N., Project Supported by Higher Education Institutions, Endüstriyel Otomasyon Laboratuvarı Kurulması ve Öğretim Senaryoları Üretilmesi, 2014 - 2015

ÇELİK O. N., Project Supported by Higher Education Institutions, Endüstriyel otomasyon laboratuvarı kurulması ve öğretim senaryoları üretilmesi, 2014 - 2015

ÇELİK O. N., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Eskişehir Meslek Yüksekokulu Bünyesinde Nitelikli Teknik Ara Eleman İhtiyacına Dönük Laboratuvar Kurulması, 2014 - 2015

GAŞAN H., ÇELİK O. N., TUBITAK Project, METALURJİK AMAÇLI KRİYOJENİK SİSTEM TASARIM İMALAT VE UYGULAMALARI, 2014 - 2015

ER Ü., ULUTAN M., KILIÇAY K., ÇELİK O. N., Project Supported by Higher Education Institutions, Yüzeyi PTA Plazma Transferli Ark Kaynak Yöntemi İle Alaşımlandırılmış AISI 5115 Çeliğinin Mikroyapı ve Aşınma Özelliklerinin İncelenmesi, 2012 - 2015

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