

## Prof. ÖMER NECATİ CORA

### Personal Information

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### International Researcher IDs

ScholarID: YvWZoscAAAAJ

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Publons / Web Of Science ResearcherID: AAE-7136-2020

ScopusID: 25926994400

Yoksis Researcher ID: 22901

### Education Information

Post Doctorate, Virginia Commonwealth University, Department of Mechanical and Nuclear Engineering, NSF Industry/University Cooperative Research Center for Precision Forming, United States Of America 2010 - 2011

Doctorate, Virginia Commonwealth University, School of Engineering, Department of Mechanical and Nuclear Engineering, United States Of America 2006 - 2009

Doctorate, Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği Bölümü, Turkey 2005 - 2006

Postgraduate, Middle East Technical University, Faculty Of Engineering, Makine Mühendisliği Bölümü, Turkey 2000 - 2004

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1996 - 2000

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Die Wear Test Development for Stamping of Ultra/Advanced High Strength Steels (U/AHSS) Sheet Blanks, Virginia Commonwealth University, School Of Engineering, Department Of Mechanical Engineering, 2009

Postgraduate, FRICTION ANALYSIS IN COLD FORGING, Middle East Technical University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2004

### Research Areas

Mechanical Engineering, Energy, Hydrogen Technologies and Fuel Cells , Construction and Manufacturing, Tribology, Non-traditional manufacturing methods, Plastic Forming Methods, Mechanical, Solid Mechanics, Finite Element Methods, Mechanical Testing, Continuous Mechanics, Engineering and Technology

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2023 - Continues  
Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2017 - 2023  
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2011 - 2017  
Medical Doctor, Virginia Commonwealth University, School of Engineering, Department of Mechanical Engineering, 2010 - 2011  
Research Assistant, Virginia Commonwealth University, School of Engineering, Department of Mechanical Engineering, 2007 - 2009  
Researcher, Virginia Commonwealth University, School of Engineering, Department of Mechanical Engineering, 2006 - 2007

## Academic and Administrative Experience

Vice Dean, Karadeniz Technical University, Mühendislik Fakültesi, 2024 - Continues  
Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2022 - 2024  
Erasmus Program Department Coordinator, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2012 - 2024

## Courses

MICROMECHANICS AND MICROENGINEERING, Postgraduate, 2021 - 2022  
BIOMIMETICS, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018  
TASARIM PROJESİ (I. ÖĞRETİM), Undergraduate, 2014 - 2015  
STATİK (SDBF GEMİ İNŞ. VE GEMİ MAK. MÜH. BÖLÜMÜ), Undergraduate, 2014 - 2015, 2012 - 2013  
STATİK VE MUKAVEMET (MET. MALZ. MÜH BÖLÜMÜ), Undergraduate, 2014 - 2015, 2013 - 2014  
TASARIM PROJESİ (II. ÖĞRETİM), Undergraduate, 2014 - 2015  
DYNAMICS (B), Undergraduate, 2014 - 2015  
MUKAVEMET1, Undergraduate, 2014 - 2015, 2013 - 2014  
DYNAMICS (C), Undergraduate, 2014 - 2015  
İŞ HAYATINDA İNGİLİZCE, Undergraduate, 2014 - 2015, 2013 - 2014  
DİNAMİK (MADEN MÜH. BÖLÜMÜ), Undergraduate, 2014 - 2015  
STATİK (II. ÖĞRETİM), Undergraduate, 2014 - 2015  
STATİK (I. ÖĞRETİM), Undergraduate, 2014 - 2015  
DİNAMİK (MADEN MÜH. BÖLÜMÜ; II. ÖĞRETİM), Undergraduate, 2014 - 2015  
BİTİRME ÇALIŞMASI, Undergraduate, 2013 - 2014  
STATICS AND STRENGTH OF MATERIALS (MET. MALZ. MÜH BÖLÜMÜ), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012  
DİNAMİK (SDBF GEMİ İNŞ. VE GEMİ MAK. MÜH. BÖLÜMÜ), Undergraduate, 2013 - 2014

## Advising Theses

CORA Ö. N., BAZI CAM VE PLASTİK ESASLI ŞEFFAF MALZEMELERİN KATI PARÇACIK EROZYON PERFORMANSLARININ İNCELENMESİ, Postgraduate, M.Hussain(Student), 2020  
CORA Ö. N., RAMOR 500 VE RAMOR 550 ZIRH ÇELİKLERİNİN BALİSTİK PERFORMANSININ İNCELENMESİ, Postgraduate, M.Latif(Student), 2019  
CORA Ö. N., KATI OKSİT YAKIT PİLİ İTERKONNEKTÖRLERİNİN TOZ METALURJİSİ YÖNTEMİYLE ÜRETİMİ VE PERFORMANSLARININ İNCELENMESİ, Postgraduate, A.TOPCU(Student), 2017

CORA Ö. N., ILIK HİDROMEKANİK DERİN ÇEKME PROSESİNİN SONLU ELEMANLAR ANALİZİ VE PARAMETRİK OPTİMİZASYONU, Postgraduate, D.ACAR(Student), 2014

## Jury Memberships

Competition, TEKNOFEST 2022 Sanayide Dijital Teknolojiler Yarışması, TEKNOFEST 2022 Sanayide Dijital Teknolojiler Yarışması, March, 2022

Competition, TEKNOFEST 2021, TECHNOFEST 2021 - Technology for Humanity - Social Innovation Competition, September, 2021

Competition, TEKNOFEST 2020 , Technofest 2020 Education Technologies Competition, May, 2020

Competition, TEKNOFEST 2019 - İNSANLIK YARARINA TEKNOLOJİLER Kategorisi Jüri Üyeliği, TEKNOFEST 2019 - İNSANLIK YARARINA TEKNOLOJİLER Yarışma Kategorisi Jüri Üyeliği, September, 2019

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

- I. **Current Status and Future Perspectives for Mobility Options Toward Sustainable Transportation With a Focus on Fuel Cells**  
Farooq A., CORA Ö. N.  
WILEY INTERDISCIPLINARY REVIEWS-ENERGY AND ENVIRONMENT, vol.13, no.5, 2024 (SCI-Expanded)
- II. **Challenges and Future Perspectives on Production, Storage Technologies, and Transportation of Hydrogen: A Review**  
Omid M. A., ŞAHİN M. E., CORA Ö. N.  
Energy Technology, vol.12, no.4, 2024 (SCI-Expanded)
- III. **Fabrication and optimization of PES/PVP hollow fiber membranes using Box–Behnken model and CART algorithm**  
Farooq A., CORA Ö. N.  
Journal of Applied Polymer Science, vol.141, no.12, 2024 (SCI-Expanded)
- IV. **Ballistic performances of Ramor 500, ArmoX Advance and Hardox 450 steels under monolithic, double-layered, and perforated conditions**  
Acar D., Canpolat B. H., Cora Ö. N.  
ENGINEERING SCIENCE AND TECHNOLOGY, AN INTERNATIONAL JOURNAL, vol.51, no.101653, pp.1-8, 2024 (SCI-Expanded)
- V. **Effect of Process Parameters on the Solid Particle Erosion Resistance of Transparent Materials**  
Acar D., Danesh M. H., Cora Ö. N.  
TRIBOLOGY IN INDUSTRY, vol.45, no.4, pp.604-617, 2023 (SCI-Expanded)
- VI. **Effect of Plastic Deformation on the Mechanical Properties of Dual-Phase Steels Using Nanoindentation**  
Ekmekçi D., Uşun A., Cora Ö. N.  
JOM, vol.75, no.7, pp.2246-2255, 2023 (SCI-Expanded)
- VII. **Characterization of Al<sub>2</sub>Ti/Al<sub>3</sub>Ti-based intermetallic and Al<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub>-based oxide composite coatings fabricated on Ti6Al4V alloy**  
Aktuğ S. L., Acar D., Cora Ö. N., Durdu S.  
KOVVE MATERIALY, vol.65, no.5, pp.339-350, 2023 (SCI-Expanded)
- VIII. **Additive manufacturing of PEEK-based continuous fiber reinforced thermoplastic composites with high mechanical properties**  
Vatandas B. B., UŞUN A., Yıldız N., Simsek C., CORA Ö. N., ASLAN M., GÜMRÜK R.  
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.167, 2023 (SCI-Expanded)
- IX. **Comparison of Mechanical Properties Obtained for Armor Steels: Conventional Methods vs. Nanoindentation**

- Ekmekci D., CORA Ö. N.  
Journal of Testing and Evaluation, vol.51, no.4, 2023 (SCI-Expanded)
- X. **Performance evaluation of machined and powder metallurgically fabricated Crofer (R) 22 APU interconnects for SOFC applications**  
Topcu A., ÖZTÜRK B., CORA Ö. N.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.5, pp.3437-3448, 2022 (SCI-Expanded)
- XI. **Ballistic performances of Ramor 500 and Ramor 550 armor steels at mono and bilayered plate configurations**  
Bekci M. L., Canpolat B. H., Usta E., Guler M. S., CORA Ö. N.  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.24, no.4, pp.990-995, 2021 (SCI-Expanded)
- XII. **Influence of processing parameters on the porosity, thermal expansion, and oxidation behavior of consolidated Fe22Cr stainless steel powder**  
ÖZTÜRK B., Topcu A., CORA Ö. N.  
POWDER TECHNOLOGY, vol.382, pp.199-207, 2021 (SCI-Expanded)
- XIII. **Effect of indentation loading type on the mechanical properties of advanced high strength steel grade DP 800**  
Ekmekci D., CORA Ö. N.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.126, no.11, 2020 (SCI-Expanded)
- XIV. **Numerical optimization of warm hydromechanical deep drawing process parameters and its experimental verification**  
Türköz M., Cora Ö. N., Gedikli H., Dilmeç M., Halkacı H. S., Koç M.  
JOURNAL OF MANUFACTURING PROCESSES, vol.57, no.57, pp.344-353, 2020 (SCI-Expanded)
- XV. **Uniaxial and biaxial deformation characteristics of AA7075-O friction stir welded joints**  
ACAR D., Karalı M., CORA Ö. N., Burford D., Koç M.  
Welding in the World, vol.64, no.9, pp.1553-1564, 2020 (SCI-Expanded)
- XVI. **Micro Deep Drawability of the Superplastic Zn-22Al Alloy at a High Strain Rate and Room Temperature**  
Cetin M. E., CORA Ö. N., SOFUOĞLU H.  
JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.142, no.1, 2020 (SCI-Expanded)
- XVII. **Formability of Ultrasonically Additive Manufactured Ti-Al Thin Foil Laminates**  
Kaya I., CORA Ö. N., KOÇ M.  
MATERIALS, vol.12, no.20, 2019 (SCI-Expanded)
- XVIII. **On the Formability of Ultrasonic Additive Manufactured Al-Ti Laminated Composites**  
Kaya I., CORA Ö. N., ACAR D., KOÇ M.  
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.10, pp.5051-5064, 2018 (SCI-Expanded)
- XIX. **Oxidation, electrical and mechanical properties of Crofer (R) 22 solid oxide fuel cell metallic interconnects manufactured through powder metallurgy**  
ÖZTÜRK B., TOPCU A., ÖZTÜRK S., CORA Ö. N.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.23, pp.10822-10833, 2018 (SCI-Expanded)
- XX. **Effects of friction models on the compaction behavior of copper powder**  
Guner F., CORA Ö. N., SOFUOĞLU H.  
TRIBOLOGY INTERNATIONAL, vol.122, pp.125-132, 2018 (SCI-Expanded)
- XXI. **Warm Hydromechanical Deep Drawing of AA 5754-0 and Optimization of Process Parameters**  
ACAR D., Turkoz M., GEDİKLİ H., Halkaci H. S., CORA Ö. N.  
JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.140, no.1, 2018 (SCI-Expanded)
- XXII. **Microindentation on the porous copper surface modulations**  
Ekmekci D., Yilmaz F., Kolemen U., CORA Ö. N.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.123, no.11, 2017 (SCI-Expanded)

- XXIII. **Thermal conductivity of different colored compomers**  
GÜLER Ç., KELEŞ A., GÜLER M. S., KARAGÖZ Ş., CORA Ö. N., Keskin G.  
JOURNAL OF APPLIED BIOMATERIALS & FUNCTIONAL MATERIALS, vol.15, no.4, 2017 (SCI-Expanded)
- XXIV. **Enhanced Magnetic Properties of Nd<sub>15</sub>Fe<sub>77</sub>B<sub>8</sub> Alloy Powders Produced by Melt-Spinning Technique**  
ÖZTÜRK S., İÇİN K., ÖZTÜRK B., TOPAL U., Odabasi H. K., GÖBÜLÜK M., CORA Ö. N.  
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.10, pp.5017-5030, 2017 (SCI-Expanded)
- XXV. **Effects of grain size on room temperature deformation behavior of Zn-22Al alloy under uniaxial and biaxial loading conditions**  
CETIN M. E., DEMIRTAS M., SOFUOĞLU H., CORA Ö. N., PÜRÇEK G.  
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.672, pp.78-87, 2016 (SCI-Expanded)
- XXVI. **An investigation of contact interactions in powder compaction process through variable friction models**  
Guner F., SOFUOĞLU H., CORA Ö. N.  
TRIBOLOGY INTERNATIONAL, vol.96, pp.1-10, 2016 (SCI-Expanded)
- XXVII. **Numerical modeling of cold powder compaction using multi particle and continuum media approaches**  
Guner F., CORA Ö. N., SOFUOĞLU H.  
POWDER TECHNOLOGY, vol.271, pp.238-247, 2015 (SCI-Expanded)
- XXVIII. **Effect of manufacturing process sequence on the corrosion resistance characteristics of coated metallic bipolar plates**  
Dur E., Cora O. N., Koç M.  
JOURNAL OF POWER SOURCES, vol.246, pp.788-799, 2014 (SCI-Expanded)
- XXIX. **Investigation of the effects of process sequence on the contact resistance characteristics of coated metallic bipolar plates for polymer electrolyte membrane fuel cells**  
TURAN C., Cora O. N., KOÇ M.  
JOURNAL OF POWER SOURCES, vol.243, pp.925-934, 2013 (SCI-Expanded)
- XXX. **Contact resistance characteristics of coated metallic bipolar plates for PEM fuel cells - investigations on the effect of manufacturing**  
Turan C., Cora O. N., Koç M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.23, pp.18187-18204, 2012 (SCI-Expanded)
- XXXI. **Die wear in stamping of advanced high strength steels - Investigations on the effects of substrate material and hard-coatings**  
CORA Ö. N., Agcayazi A., Namiki K., SOFUOĞLU H., Koc M.  
TRIBOLOGY INTERNATIONAL, vol.52, pp.50-60, 2012 (SCI-Expanded)
- XXXII. **Investigations on the variation of corrosion and contact resistance characteristics of metallic bipolar plates manufactured under long-run conditions**  
Peker M. F., CORA Ö. N., Koc M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.23, pp.15427-15436, 2011 (SCI-Expanded)
- XXXIII. **Effect of manufacturing processes on contact resistance characteristics of metallic bipolar plates in PEM fuel cells**  
Turan C., Cora O. N., Koc M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.19, pp.12370-12380, 2011 (SCI-Expanded)
- XXXIV. **Experimental investigations on the corrosion resistance characteristics of coated metallic bipolar plates for PEMFC**  
Dur E., Cora O. N., Koc M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.12, pp.7162-7173, 2011 (SCI-Expanded)
- XXXV. **Effect of manufacturing conditions on the corrosion resistance behavior of metallic bipolar plates in proton exchange membrane fuel cells**

- Dur E., Cora O. N., Koc M.  
 JOURNAL OF POWER SOURCES, vol.196, no.3, pp.1235-1241, 2011 (SCI-Expanded)
- XXXVI. **An experimental study on the comparative assessment of hydraulic bulge test analysis methods**  
 Koc M., Billur E., Cora O. N.  
 MATERIALS & DESIGN, vol.32, no.1, pp.272-281, 2011 (SCI-Expanded)
- XXXVII. **Effect of manufacturing processes on formability and surface topography of proton exchange membrane fuel cell metallic bipolar plates**  
 Mahabunphachai S., Cora O. N., Koc M.  
 JOURNAL OF POWER SOURCES, vol.195, no.16, pp.5269-5277, 2010 (SCI-Expanded)
- XXXVIII. **Microscale-modulated porous coatings: fabrication and pool-boiling heat transfer performance**  
 Cora O. N., Min D., Koc M., Kaviany M.  
 JOURNAL OF MICROMECHANICS AND MICROENGINEERING, vol.20, no.3, 2010 (SCI-Expanded)
- XXXIX. **Experimental investigations on wear resistance characteristics of alternative die materials for stamping of advanced high-strength steels (AHSS)**  
 Cora O. N., Koc M.  
 INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE, vol.49, pp.897-905, 2009 (SCI-Expanded)
- XL. **Wear performance assessment of alternative stamping die materials utilizing a novel test system**  
 Cora O. N., Namiki K., Koc M.  
 WEAR, vol.267, pp.1123-1129, 2009 (SCI-Expanded)
- XLI. **2-D and 3-D modulated porous coatings for enhanced pool boiling**  
 Min D. H., Hwang G. S., Usta Y., Cora O. N., Koc M., Kaviany M.  
 INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.52, pp.2607-2613, 2009 (SCI-Expanded)
- XLII. **Micro-manufacturing of micro-scale porous surface structures for enhanced heat transfer applications: an experimental process optimization study**  
 Cora O. N., Usta Y., Koç M.  
 JOURNAL OF MICROMECHANICS AND MICROENGINEERING, vol.19, no.4, 2009 (SCI-Expanded)
- XLIII. **Modelling of variable friction in cold forging**  
 Cora O. N., Akkoek M., DARENDELİLER H.  
 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, vol.222, pp.899-908, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **DEVELOPING A MOTION MECHANISM FOR A SINGLE MODULE IN A SELF-RECONFIGURABLE MODULAR MICROROBOTICS SYSTEM BY USING EXTERNAL MAGNETIC ACTUATORS**  
 Dokuyucu H. I., Özmen N., Cora Ö. N.  
 Uludağ University Journal of the Faculty of Engineering, vol.27, no.3, pp.1061-1080, 2022 (Peer-Reviewed Journal)
- II. **Comparison of numerical analyses of a composite wing component subjected to 4-point bending**  
 Bisagni C., Raimondo A., Atanasovska I., Milic M., Troian R., Frulla G., Polla A., CORA Ö. N., Bekci M., Henriques B., et al.  
 Composites Part C: Open Access, vol.8, 2022 (ESCI)
- III. **Solid particle erosion performance of micro-arc oxidation and electro spark deposition coated Ti6Al4V sheets**  
 Acar D., Aktuğ S. L., Korkmaz K., Durdu S., Cora Ö. N.  
 The International Journal of Materials and Engineering Technology, vol.5, no.1, pp.28-32, 2022 (Peer-Reviewed Journal)
- IV. **Thermal expansion, porosity, and microhardness properties of solid oxide fuel cell metallic interconnects manufactured by powder metallurgy approach**  
 Topcu A., Yalçın Ö. F., Öztürk B., Cora Ö. N.  
 Turkish Journal of Electromechanics and Energy, vol.6, no.3, pp.123-130, 2021 (Peer-Reviewed Journal)

- V. **State of the art review on the Cu(In,Ga)Se<sub>2</sub> thinfilm solar cells**  
OMID M. A., CORA Ö. N.  
Turkish Journal of Electromechanics and Energy, vol.5, no.2, pp.74-82, 2020 (Peer-Reviewed Journal)
- VI. **Experimental and Numerical Investigation of Thickness Distribution in Forming of Superplastic Zn-22Al Alloy**  
ÇETİN M. E., DEMİRTAŞ M., PÜRÇEK G., CORA Ö. N., SOFUOĞLU H.  
ACADEMIC PERSPECTIVE PROCEDIA, vol.1, no.1, pp.1034-1040, 2018 (Peer-Reviewed Journal)
- VII. **Ilık Hidromekanik Derin Çekme Prosesinde Optimum Şekillendirme Parametrelerinin Belirlenmesi**  
ACAR D., TÜRKÖZ M., DİLMEÇ M., HALKACI H. S., GEDİKLİ H., CORA Ö. N.  
Ordu Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, no.2, pp.38-47, 2016 (Peer-Reviewed Journal)
- VIII. **MİKRO İMALAT YÖNTEMİYLE YÜZEY ŞEKİLLENDİRMEİNİN DENTAL İMPLANT UYGULAMALARINDAKİ OSSEOİNTEGRASYONA ETKİSİ**  
KÖSE S., CORA Ö. N., SOFUOĞLU H.  
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.3, pp.221-227, 2014 (Peer-Reviewed Journal)
- IX. **Mikro İmalat Yöntemiyle Yüzey Şekillendirmenin Dental İmplant Uygulamalarındaki Osseointegrasyona Etkisi**  
Köse S., CORA Ö. N., SOFUOĞLU H.  
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.3, pp.221-227, 2014 (Peer-Reviewed Journal)
- X. **Parametric Investigation of Circular and Elliptical Bulge Test in Warm Hydroforming Process for AA5754-O**  
CORA Ö. N., GEDİKLİ H., KOÇ M.  
Key Engineering Materials, vol.473, pp.594-601, 2011 (Scopus)

## Books & Book Chapters

- I. **Defect Types**  
Faisal N., CORA Ö. N., BEKİCİ M. L., Śliwa R. E., Sternberg Y., Pant S., Degenhardt R., Prathuru A.  
in: Structural Health Monitoring Damage Detection Systems for Aerospace, Sause, Markus G. R.; Jasiūnienė, Elena, Editor, Springer Nature Switzerland AG, Cham, pp.15-72, 2021
- II. **Warm Hydroforming**  
KOÇ M., CORA Ö. N., HALKACI H. S., TÜRKÖZ M.  
in: Modern Manufacturing Processes, Koç M., Özel T., Editor, John Wiley & Sons Inc., Hoboken, Nj, pp.219-238, 2019
- III. **Micromanufacturing**  
CORA Ö. N., KOÇ M.  
in: Modern Manufacturing Processes, Koç Muammer, Özel Tuğrul, Editor, John Wiley Sons Inc., Hoboken, NJ, pp.149-184, 2019
- IV. **Introduction and State of the Art of the Hydroforming**  
KOÇ M., CORA Ö. N.  
in: Hydroforming for Advanced Manufacturing, Muammer Koç, Editor, Woodhead, pp.1-29, 2008

## Refereed Congress / Symposium Publications in Proceedings

- I. **Size Effect For Graphene: A Review**  
Abdullayev H., Cora Ö. N.  
5th International Conference of Materials and Engineering Technology (TICMET'23), Trabzon, Turkey, 13 - 16 November 2023, pp.422
- II. **Effect of Laser Surface Texturing on the Tribological Performance of Ultra High-Molecular Weight**

## **Polyethylene Materials**

Çavrar T., Bičišťová R., Primus T., Hauschwitz ., Brajer J., Cora Ö. N.

5th International Conference of Materials and Engineering Technology (TICMET'23), Trabzon, Turkey, 13 - 16 November 2023, pp.431

- III. **Solid Particle Erosion Performance of Drone Propeller Materials**  
Acar D., Meriç D., Gedikli H., Schulz A., Cora Ö. N.  
The 5th International Conference of Materials and Engineering Technology, Trabzon, Turkey, 13 - 15 November 2023, pp.1
- IV. **Novel Sensor Applications in Aeronautics and Harsh Environments**  
Cora Ö. N.  
Training School on Inspection, Signal Processing, Identification and Analysis (INSIGNIA), COST Action CA18203 - Optimising Design for Inspection, Ohrid, Macedonia, 18 - 20 September 2023
- V. **Mechanical Property Mapping for Dual Phase (DP) Steels**  
Setty M., Annasamy M., Cora Ö. N.  
COST Action CA21121 MecaNano General Meeting 2023, Madrid, Spain, 26 - 27 April 2023, pp.1
- VI. **An Overview on Aircraft Design and Aircraft Structure Optimisation**  
Cora Ö. N.  
Training School on Optimisation, Design and INtegration, Rouen, France, 12 - 14 April 2023, pp.1-74
- VII. **Mode-I Fracture Toughness Evaluation of a 20-ply Composite Panel**  
Cora Ö. N., Bekci M. L., Naaman M., Pullin R., Pearson M.  
12th EASN International Conference on "Innovation in Aviation & Space for opening New Horizons", Barcelona, Spain, 18 - 21 October 2022, pp.1
- VIII. **Friction Stir Welding of Ultrasonically Consolidated Laminated Metal Composites with Aluminum Sheets**  
Acar D., Klobčar D., Uroš T., Cora Ö. N.  
European Conference on Composite Materials ECCM20, Lausanne, Switzerland, 26 - 30 June 2022, pp.1
- IX. **Investigations on the Micro-Scale Surface Interactions and Tribological Size Effect in MicroStamping of SS316L Sheet**  
Peker M. F., Gedikli H., Cora Ö. N., Koç M.  
23rd World Hydrogen Energy Conference (WHEC 2022), İstanbul, Turkey, 26 - 30 June 2022, pp.1
- X. **Hydrogen Transportation Options and Challenges**  
Omid M. A., Koç M., Cora Ö. N.  
23rd World Hydrogen Energy Conference (WHEC 2022), İstanbul, Turkey, 26 - 30 June 2022, pp.1
- XI. **Surface Topography Evaluation During Long-Run Micro-Stamping of BPPs and Its Effect on Corrosion and Contact Resistance Characteristics**  
Peker M. F., Gedikli H., Cora Ö. N., Koç M.  
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A Nanomechanical Testing Conference and Bruker User Meeting, 4 - 06 February 2020
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International Conference on Engineering Technologies, 7 - 09 December 2017
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International Conference on Material Science and Technology in Cappadocia (IMSTEC 2016), Nevşehir, Turkey, 6 - 08 April 2016, pp.832-837
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International Conference on Material Science and Technology, 06 April 2016
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International Porous and Powder Materials Symposium and Exhibition PPM 2015, İzmir, Turkey, 15 - 18 September 2015, pp.323-328
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BIAS Mühendislik Kullanıcı Konferansı 2015, İstanbul, Turkey, 12 - 13 May 2015
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Kaya I., CORA Ö. N., KOÇ M.  
ASME 2015 International Mechanical Engineering Congress and Exposition, IMECE 2015, Texas, United States Of America, 13 - 19 November 2015
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7th International Powder Metallurgy Conference and Exhibiton, Ankara, Turkey, 24 June 2014 - 28 June 2015, pp.78-79
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ÖZTÜRK B., YALÇIN Ö. F., CORA Ö. N., ÖZTÜRK S., GÖBÜLÜK M.  
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ÖZTÜRK B., YALÇIN Ö. F., CORA Ö. N., ÖZTÜRK S., GÖBÜLÜK M.  
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ASME International Mechanical Engineering Congress and Exposition (IMECE2013), California, United States Of America, 15 - 21 November 2013
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Acar D., Turkoz M., Gedikli H., Cora Ö. N.  
2014 5th International Conference on Information Technology for Manufacturing Systems, ITMS 2014, Singapore, Singapore, 16 - 17 September 2014, vol.686, pp.535-539
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CORA Ö. N., NAMIKI K., KOÇ M., BLAU P. J.  
Materials Science & Technology- MS&T 2013, Montreal, Canada, 27 - 31 October 2013
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ASME 2013 International Mechanical Engineering Congress and Exposition, IMECE 2013, San Diego, CA, United States Of America, 15 - 21 November 2013
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Peker M., Cora Ö., KOÇ M.  
ASME 2012 International Mechanical Engineering Congress and Exposition, IMECE 2012, Houston, TX, United States Of America, 9 - 15 November 2012, vol.7, pp.3035-3039
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CORA Ö. N., KOÇ M.  
Multi-Material Micro Manufacture 4M-2012 Conference, Vienna, Austria, 9 - 11 October 2012, pp.320-323
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CORA Ö. N., KOÇ M., TURAN C., DUR E.  
Renewable Energy Research Conference – Technoport 201, Trondheim, Norway, 16 - 18 April 2012
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CORA Ö. N., Koç M., TURAN C., PEKER M. F., DUR E.  
Renewable Energy Research Conference – Technoport 2012, Trondheim, Norway, 16 - 18 April 2012, pp.1-38
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CORA Ö. N., KARALI M., Koç M.  
International Iron and Steel Symposium 2012, Karabük, Turkey, 2 - 04 April 2012, pp.1316-1323
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CORA Ö. N., ÖZTÜRK B., KOÇ M.  
7th International Conference on MicroManufacturing ICOMM 2012, Evanston, IL, United States Of America, 11 - 14 March 2012, pp.520-525
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CORA Ö. N., Koç M., Snell R., Decker R., Huang J.  
TMS 2012 Annual Meeting & Exhibition, Orlando, FL, United States Of America, 11 - 15 March 2012, pp.413-418
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CORA Ö. N., Burford D., GEDİKLİ H., KOÇ M.  
International Conference on Plasticity and Its Current Applications, San Juan, Puerto Rico, 3 - 08 January 2012, pp.1
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Koc M., CORA Ö. N., Snell R., Decker R., Huang J.  
Symposium on Magnesium Technology held during TMS Annual Meeting and Exhibition, Florida, United States Of

America, 11 - 15 March 2012, pp.413-418

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CORA Ö. N., Ağcayazi A., Koç M., Adamski D. J., Hall J.  
Materials Science & Technology 2011 Conference & Exhibition, Columbus, Oh, United States Of America, 16 - 20 October 2011, pp.1
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GEDİKLİ H., CORA Ö. N., Koc M.  
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KARALI M., CORA Ö. N., Nguyen V., Burford D., Koç M.  
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CORA Ö. N., Koc M., PEKER M. F.  
Materials Science and Technology Conference and Exhibition MS&T 2011, Columbus, Oh, United States Of America, 16 - 20 October 2011, pp.1
- XCVII. Mikro yapıda üç boyutlu yüzeylerin porozite ve mikrosertliğine üretim parametrelerinin etkisi**  
ÖZTÜRK B., CORA Ö. N., KOÇ M.  
6. Uluslararası Toz Metalurjisi Konferansı ve Sergisi, Ankara, Turkey, 5 - 09 October 2011
- XCVIII. Manufacturing of Micro-scale 3-D Porous Gradient Surfaces**  
ÖZTÜRK B., CORA Ö. N., KOÇ M.  
The 6th International Conference on MicroManufacturing (ICOMM 2011), Tokyo, Japan, 7 - 10 March 2011, pp.181-186
- XCIX. Finite Element Analysis for Warm Hydroforming of Aluminum Alloys**  
GEDİKLİ H., CORA Ö. N., Koç M.  
17th International Symposium on Plasticity and Its Current Applications, Puerto Vallarta, Mexico, 3 - 08 January 2011
- C. Micro-stamping of PEMFC Bipolar Plates-investigations on the Effect Coating and Surface Quality Interactions on the Corrosion Resistance Characteristics of Micro-channeled Metallic Surface Areas**  
Peker M. F., Cora O. N., Koc M.  
8th International Conference on Multi-Material Micro Manufacture (4M 2011), Stuttgart, Germany, 8 - 10 November 2011, pp.145-148
- CI. Corrosion, contact resistance, and surface characteristics of stamped and hydroformed metallic bipolar plates for PEMFC**  
Turan C., DUR E., PEKER M. F., Cora Ö. N., Koç M.  
ASME 2010 8th International Conference on Fuel Cell Science, Engineering and Technology, FUELCELL 2010, Brooklyn, NY, United States Of America, 14 - 16 June 2010, vol.2, pp.545-553
- CII. Mechanical Behavior of UAM-Fabricated Al-Ti LMC Blanks**  
KAYA I., CORA Ö. N., Koç M., Fitzgerald C., Sheridan J., Schwope L. A.  
2nd Ultrasonic Additive Manufacturing Technology Symposium, Columbus, Oh, United States Of America, 20 - 21 October 2010
- CIII. Investigations on Die Life and Tribological Issues in Micro-stamping of Metallic Bipolar Plates for Fuel Cells**  
Peker M. F., CORA Ö. N., Koç M.  
International Forum on Micro Manufacturing 2010, Gifu, Japan, 20 - 23 October 2010
- CIV. Investigations on the Impact of Manufacturing Process on PEM Fuel Cell Bipolar Plate Corrosion and Contact Resistance Behavior**  
DUR E., TURAN C., CORA Ö. N., Koç M.

International Forum on Micro Manufacturing 2010, Gifu, Japan, 20 - 23 October 2010

- CV. **Material Characterization of Ultrasonically Consolidated Laminated Ti-Al Composites (UC-LMC)**  
KAYA I., CORA Ö. N., Koc M., Sheridan J., Fitzgerald C., Wessel D.  
MS&T Materials Science and Technology 2010 Conference and Exhibition - MS&T 2010, Houston,Tx, United States Of America, 17 - 21 October 2010
- CVI. **Investigations on the Formability and Surface Topography of Micro-Channel Arrays on Large Area Plates – PEMFC Metallic Bipolar Plates**  
CORA Ö. N., Mahabunphachai S., Koç M.  
5th International Conference on MicroManufacturing, ICOMM 2010, Madison, Wl, United States Of America, 5 - 09 April 2010
- CVII. **Experimental investigations on wear resistance characteristics of alternative die materials for stamping of Advanced High Strength Steels (AHSS)**  
Cora Ö. N., Koç M.  
ASME International Manufacturing Science and Engineering Conference, MSEC2008, Evanston, IL, United States Of America, 7 - 10 October 2008, vol.2, pp.185-192
- CVIII. **Investigation of stainless steel powder compaction process for manufacturing of micro-porous surface feature**  
PAREKH G., CORA Ö. N., KOÇ M.  
International Conferences on Multi-Material Micro Manufacture, 4M/International Conferences on Micro Manufacturing, ICOMM 2009, Karlsruhe, Germany, 23 - 25 September 2009, vol.2009, pp.119-122
- CIX. **Influence of substrate material on wear performance of stamping dies utilizing a new die wear test system**  
CORA Ö. N., Koc M., KOÇ M.  
37th Annual North American Manufacturing Research Conference, NAMRC 37, Greenville, Sc, United States Of America, 19 - 22 May 2009, vol.37, pp.325-331
- CX. **Effect of substrate hardness on wear performance of alternative die materials for stamping of advanced high strength steels**  
CORA Ö. N., KOÇ M.  
Materials Science and Technology Conference and Exhibition, MS&T 08, Pittsburgh, Pa, United States Of America, 5 - 09 October 2008, vol.3, pp.1865-1871
- CXI. **Experimental investigations on development of rapid die wear tests for stamping of advanced high strength steels**  
Necati O. C., Usta Y., Koç M.  
ASME International Conference on Manufacturing Science and Engineering, Georgia, United States Of America, 15 - 18 October 2007, pp.873-879
- CXII. **Nanotechnology in Defence Industry**  
CORA Ö. N.  
International German Summer School 2006 on Aviation, Weather and Atmosphere, Braunschweig, Germany, 21 August - 01 September 2006, pp.1
- CXIII. **Metal Şekillendirme İşlemlerinin Benzetiminde Sürtünme Katsayısının Kullanıcı Alt Programları (user-subroutine) ile Değişken Hale Getirilmesi**  
CORA Ö. N., Darendeliler H., Akkök M.  
Bilgisayar Destekli Mühendislik ve MSC Software Kullanıcı Konferansı '06, İstanbul, Turkey, 1 - 02 June 2006, pp.159-171

## Other Publications

- I. **Value-Added Manufacturing for Energy and Transportation Industries**  
CORA Ö. N.  
Presentation, pp.1-6, 2017

II. AA 5754-O Alařımının İlk Hidrořekillendirilmesinde Etkin Olan Parametrelerin Optimizasyonu, BİAS Kullanıcı Konferansı 2015  
ACAR D., CORA Ö. N.  
Presentation, pp.1-24, 2015

## Supported Projects

GÜMRÜK R., ÇUVALCI H., CORA Ö. N., VAROL T., ASLAN M., UZUNALI U. Y., UŞUN A., ÇAVA K., KULEYİN H., Project Supported by Higher Education Institutions, Sürekli Elyaf Takviyeli Termoplastik Kompozitlerin Üretim Parametrelerinin Malzemelerin Yorulma Davranışına Etkisinin İncelenmesi, 2021 - Continues

CORA Ö. N., Ekmekci D., TUBITAK Project, Otomotiv Ve Zırh Çeliklerinin Mekanik Özelliklerinin Nanogirininim Yöntemiyle İncelenmesi, Continues

Meriç D., Cora Ö. N., Gedikli H., Öztürk B., TUBITAK Project, Metalik Serit Ve Sürekli Elyaf Takviyeli, Yenilikçi Hibrit Kompozit Yapıların Üretimi ve Mekanik, Balistik, Yorulma, Titresim, Enerji Sönümlenme Performanslarının Belirlenmesi ve Optimizasyonu, 2023 - 2026

Gedikli H., Alemdağ Y., Pürçek G., Sofuoğlu H., Öztürk B., Bacaksız E., Çanakçı A., Budur A. İ., Varol T., Aslan M., et al., Project Supported by Higher Education Institutions, Soğuk püskürtme eklemeli üretim sisteminin tasarımı imalatı ve ileri mühendislik ürünü parça imalatına yönelik uygulamalar için geliştirilmesi, 2021 - 2024

Gedikli H., Sofuoğlu H., Pürçek G., Cora Ö. N., Meriç D., Budur A. İ., Acar D., Project Supported by Higher Education Institutions, Soğuk Püskürtme Eklemeli Üretim Sisteminin İmalatı ve İleri Mühendislik Ürünü Parça İmalatına Yönelik Uygulamalar İçin Geliştirilmesi, 2021 - 2024

AYDIN Ö., CORA Ö. N., VAROL T., ÇUHADAROĞLU B., BALI T., Project Supported by Higher Education Institutions, Yakıt Pili Test Sistemi Kurulumu, 2021 - 2023

Cora Ö. N., Uşun A., Şimşek C., Gümrük R., TUBITAK Project, Eriyik Yığıma Yöntemi(FDM) Esas Alan Üç Boyutlu Yazıcı Teknolojisi ile Yüksek Mekanik Özelliklere Sahip Sürekli Elyaf Takviyeli Termoplastik Kompozit Malzeme Üretimi, 2021 - 2023

Gümrük R., Cora Ö. N., Aslan M., Şimşek C., TUBITAK Project, Eriyik Yığıma Yöntemini Esas Alan Üç Boyutlu Yazıcı Teknolojisi ile Yüksek Mekanik Özelliklere Sahip Sürekli Elyaf Takviyeli Termoplastik Kompozit Malzeme Üretimi, 2021 - 2023

VAROL T., ÇUVALCI H., BAYKAL S., DURAN C., ÇANAKÇI A., SARI A., ALTINTAŞ S. H., PÜRÇEK G., GEDİKLİ H., ÇUVALCI O., et al., Project Supported by Higher Education Institutions, Biyomedikal ve İleri Mühendislik Malzemelerinin Seçici Lazer Ergitme Yöntemi İle Üretimi, 2020 - 2023

CORA Ö. N., ÇAVRAR T., Project Supported by Higher Education Institutions, Lazer YüzeY Desenleme Parametrelerinin Ultra-Yüksek Moleküler Ağırlıklı Polietilen Yüzeylerin Tribolojik Performanslarına Etkisinin İncelenmesi, 2021 - 2022

CORA Ö. N., AKSOY A., Project Supported by Higher Education Institutions, BİNA DIŐI DİNAMİK KORUMA SİSTEMİ, 2019 - 2020

CORA Ö. N., Project Supported by Higher Education Institutions, MalzemeLrin Mekanik Özelliklerinin Mikro7Nano-Girininim Yöntemiyle Belirlenmesi ve Modellenmesi, Nanogirininim Test Cihazı Tasarımı ve İmalatı, 2011 - 2019

GEDİKLİ H., MERİÇ D., BUDUR A. İ., CORA Ö. N., ÖZEN İ., ACAR D., ÇETİN M. E., GÜMRÜK R., Project Supported by Higher Education Institutions, ÖRGÜLÜ ELYAF TAKVİYELİ KOMPOZİT YAPILARIN MEKANİK VE BALİSTİK ÖZELLİKLERİNİN ARAŐTIRILMASI, 2016 - 2018

Gedikli H., Sofuoğlu H., Cora Ö. N., Gümrük R., Meriç D., Özen İ., Acar D., Budur A. İ., Kuleyin H., Project Supported by Other Official Institutions, DÜŐÜK ENERJİLİ ÇARPIŐMA ALTINDA AŐINMA KALKANINDA MEYDANA GELEN HASARIN DENEYSSEL VE SAYISAL OLARAK İNCELENMESİ (TUSAŐ-TAI/DKTM), 2015 - 2017

ÖZTÜRK B., CORA Ö. N., TUBITAK Project, Katı Oksit Yakıt Pillerinde (KOYP) Kullanılan Metalik İnterkonnektör Plakaların Toz Metalurjisi (T/M) Yöntemiyle Üretimi ve Performans DeğeriLendirmeleri, 2014 - 2017

CORA Ö. N., Project Supported by Other Official Institutions, İçme Suyu Kalitesindeki Suyun İsrafının Önlenmesi ve Yağmur Sularının Toplanması İçin Bir Sistem Tasarım ve İmalatı, 2014 - 2015

Gedikli H., Cora Ö. N., Halkacı H. S., TUBITAK Project, İLİK HİDROMEKANİK DERİN ÇEKMEDE SICAKLIK, SIVI BASINCI ve BASKI PLAKASI KUVVETİNİN PROSESE ve ÜRETİLEN PARÇALARA ETKİLERİNİN ARAŐTIRILMASI, 2012 - 2015

## Activities in Scientific Journals

JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY, Committee Member, 2017 - Continues

Turkish Journal of Electromechanics and Energy, Editor, 2015 - Continues

## Memberships / Tasks in Scientific Organizations

COST Action CA 18203, Board Member, 2019 - Continues

COST Action CA 18120, Board Member, 2019 - Continues

TÜBİTAK-ARDEB, Mühendislik Araştırma Grubu (MAG), Member of Advisory Board, 2020 - 2023, Turkey

TÜBİTAK-USETEG (Ulaştırma, Savunma, Enerji ve Tekstil Teknolojileri Grubu) ÇAĞRI PLANLAMA DANIŞMA KURULU, Member of Advisory Board, 2017 - 2017, Turkey

## Scientific Refereeing

TRIBOLOGY INTERNATIONAL, SCI Journal, November 2022

TRIBOLOGY INTERNATIONAL, SCI Journal, May 2022

TRIBOLOGY INTERNATIONAL, SCI Journal, April 2022

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, February 2022

Project Supported by Public Organizations in Other Countries, Irish Research Council, Ireland, February 2022

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, SSN MAKİNA SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, November 2021

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, BOZOQ TEKNOLOJİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Turkey, November 2021

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, ULTRAPAK MAKİNA SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, November 2021

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, STA KALIP MAKİNA SANAYİ VE TİCARET AŞ, Turkey, November 2021

TRIBOLOGY INTERNATIONAL, SCI Journal, October 2021

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, İKRA MAKİNA SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, October 2021

KOSGEB, KOSGEB TRABZON MÜDÜRÜLÜĞÜ AR-GE KURULU, Turkey, October 2021

EU Supported Other Project, TÜBİTAK - UPAG, Turkey, September 2021

TRIBOLOGY INTERNATIONAL, SCI Journal, August 2021

TRIBOLOGY INTERNATIONAL, SCI Journal, July 2021

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, FNSS SAVUNMA SİSTEMLERİ A.Ş. GÜRGENLER İNŞAAT VE TESİSAT MALZ. SAN. VE TİC.A.Ş. DÖKSAN ISIL İŞLEM VE ARGE MERKEZİ ANONİM ŞİRKETİ (TÜBİTAK 1707 SİPARİŞ AR-GE PROGRAMI), Turkey, July 2021

TRIBOLOGY INTERNATIONAL, SCI Journal, May 2021

TUBİTAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, SİMPLEX BİLGİ TEKNOLOJİLERİ ANONİM ŞİRKETİ, Turkey, April 2021

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, ULTRAPAK MAKİNA SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, April 2021

KOSGEB, SAĞLAMLAR AĞIR SANAYİ ANONİM ŞİRKETİ, Turkey, March 2021

Technopark, Gekatek Mühendislik Hizmetleri Ltd. Şti., Turkey, February 2021

ENERGY, SCI Journal, November 2020

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, -, Turkey, November 2020

TUBİTAK Project, 1501 - Industry R & D Projects Support Program, HEM TEKNOLOJİ MÜHENDİSLİK LİMİTED ŞİRKETİ, Turkey, November 2020

POWDER TECHNOLOGY, SCI Journal, October 2020  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, SYSTEM SAVUNMA SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, October 2020  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, September 2020  
Project Supported by Higher Education Institutions, BAP Research Project, Erciyes University, Turkey, September 2020  
INTERNATIONAL JOURNAL OF GLOBAL WARMING, SCI Journal, August 2020  
KOSGEB, AVRASYA PROTEZ VE SAĞLIK ÜRÜNLERİ TİCARET LİMİTED ŞİRKETİ, Turkey, July 2020  
KOSGEB, KOSGEB, Turkey, May 2020  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, SYSTEM SAVUNMA SANAYİ VE TİCARET ANONİM ŞİRKETİ, Turkey, May 2020  
TUBITAK Project, 2244 - Industrial Phd. Program Project, TÜBİTAK-BİDEB, Turkey, April 2020  
TUBITAK Project, 2244 - Industrial Phd. Program Project, TÜBİTAK-BİDEB, Turkey, April 2020  
TUBITAK Project, 2244 - Industrial Phd. Program Project, TÜBİTAK-BİDEB, Turkey, April 2020  
TUBITAK Project, 2244 - Industrial Phd. Program Project, TÜBİTAK-BİDEB, Turkey, April 2020  
TUBITAK Project, 2244 - Industrial Phd. Program Project, TÜBİTAK-BİDEB, Turkey, April 2020  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TÜBİTAK-TEYDEB, Turkey, March 2020  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TÜBİTAK-TEYDEB, Turkey, February 2020  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, TÜBİTAK-TEYDEB, Turkey, February 2020  
International Journal Of Hydrogen Energy, SCI Journal, January 2020  
JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY, SCI Journal, December 2019  
KOSGEB AR-GE KURULU, Other Journals, December 2019  
TUBITAK Project, December 2019  
Project Supported by Higher Education Institutions, December 2019  
KOSGEB, KOSGEB, Turkey, December 2019  
Konya Mühendislik Bilimleri Dergisi , National Scientific Refreed Journal, October 2019  
TUBITAK Project, October 2019  
TUBITAK Project, October 2019  
TUBITAK Project, August 2019  
MATERIALS CHEMISTRY AND PHYSICS, SCI Journal, July 2019  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, National Scientific Refreed Journal, June 2019  
TUBITAK Project, June 2019  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, National Scientific Refreed Journal, May 2019  
POWDER TECHNOLOGY, SCI Journal, March 2019  
TUBITAK Project, March 2019  
TUBITAK Project, March 2019  
Celal Bayar University Journal of Science, National Scientific Refreed Journal, October 2018  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, October 2018  
TUBITAK Project, September 2018  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, August 2018  
SCIENTIA IRANICA, SCI Journal, July 2018  
BİLİM, SANAYİ VE TEKNOLOJİ BAKANLIĞI - TASARIM MERKEZİ İZLEYİCİLİĞİ (HD KAUKUK, DENİZLİ), Other Journals, July 2018  
TUBITAK Project, July 2018  
TUBITAK Project, June 2018  
TUBITAK Project, May 2018  
TUBITAK Project, May 2018  
TUBITAK Project, April 2018  
TUBITAK Project, April 2018  
Project Supported by Higher Education Institutions, April 2018  
TUBITAK Project, April 2018  
TRIBOLOGY INTERNATIONAL, SCI Journal, March 2018

INTERNATIONAL JOURNAL OF GLOBAL WARMING, SCI Journal, March 2018  
MATERIALS RESEARCH EXPRESS, SCI Journal, February 2018  
TASARIM MERKEZİ BAŞVURU DEĞERLENDİRME (ENFORMAK A.Ş.), Other Journals, February 2018  
TUBITAK Project, January 2018  
JOURNAL OF POWER SOURCES, SCI Journal, November 2017  
TUBITAK Project, November 2017  
TUBITAK Project, October 2017  
TUBITAK Project, October 2017  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, September 2017  
TUBITAK Project, September 2017  
TRIBOLOGY INTERNATIONAL, SCI Journal, August 2017  
TUBITAK Project, August 2017  
TUBITAK Project, August 2017  
TUBITAK Project, July 2017  
AR-GE MERKEZİ BAŞVURUSU, Other Journals, June 2017  
TASARIM MERKEZİ BAŞVURUSU, Other Journals, June 2017  
TUBITAK Project, June 2017  
TUBITAK Project, June 2017  
TUBITAK Project, June 2017  
TUBITAK Project, June 2017  
TUBITAK Project, May 2017  
TUBITAK Project, May 2017  
TUBITAK Project, March 2017  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, SCI Journal, January 2017  
POWDER TECHNOLOGY, SCI Journal, January 2017  
POLYMER BULLETIN, SCI Journal, December 2016  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, December 2016  
INDUSTRIAL LUBRICATION AND TRIBOLOGY, SCI Journal, November 2016  
TUBITAK Project, November 2016  
POLYMER BULLETIN, SCI Journal, October 2016  
SDÜ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, October 2016  
TUBITAK Project, October 2016  
POWDER TECHNOLOGY, SCI Journal, September 2016  
TURKISH JOURNAL OF ELECTROMECHANICS AND ENERGY, Other journals, September 2016  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, August 2016  
Proceedings of the IMECHE Part B: Journal of Engineering Manufacture, SCI Journal, June 2016  
INDUSTRIAL LUBRICATION AND TRIBOLOGY, SCI Journal, June 2016  
June 2016  
June 2016  
TUBITAK Project, June 2016  
June 2016  
June 2016  
June 2016  
June 2016  
TUBITAK Project, June 2016  
June 2016  
June 2016  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, SCI Journal, May 2016  
TUBITAK Project, May 2016  
TUBITAK Project, May 2016  
TUBITAK Project, May 2016  
TUBITAK Project, May 2016  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, April 2016

Laser and conventional treatment of nickel-chromium white cast iron, Other journals, April 2016  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, April 2016  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, SCI Journal, April 2016  
OTEKON 2016 - 8. Otomotiv Teknolojileri Kongresi, Other Journals, April 2016  
TUBITAK Project, April 2016  
TURKISH JOURNAL OF ELECTROMECHANICS AND ENERGY, Other journals, March 2016  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, March 2016  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, SCI Journal, March 2016  
OTEKON - 8. Otomotiv Teknolojileri Kongresi , Other Journals, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
TUBITAK Project, March 2016  
International Journal of Hydrogen Energy, SCI Journal, February 2016  
TURKISH JOURNAL OF ELECTROMECHANICS AND ENERGY, Other journals, February 2016  
February 2016  
International Journal of Hydrogen Energy, SCI Journal, January 2016  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, January 2016  
TUBITAK Project, January 2016  
TUBITAK Project, January 2016  
Tribology International, SCI Journal, December 2015  
Tribology International, SCI Journal, November 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, November 2015  
TUBITAK Project, November 2015  
TUBITAK Project, October 2015  
International Journal of Hydrogen Energy, SCI Journal, September 2015  
International Journal of Hydrogen Energy, SCI Journal, September 2015  
TUBITAK Project, September 2015  
TUBITAK Project, September 2015  
Project Supported by Higher Education Institutions, August 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, July 2015  
TUBITAK Project, July 2015  
TUBITAK Project, July 2015  
TUBITAK Project, July 2015  
TUBITAK Project, July 2015  
TUBITAK Project, July 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, June 2015  
TUBITAK Project, June 2015  
TUBITAK Project, June 2015  
Powder Technology , SCI Journal, May 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, April 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, April 2015  
TUBITAK Project, April 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, March 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, March 2015

Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, March 2015  
TUBITAK Project, March 2015  
TUBITAK Project, March 2015  
TUBITAK Project, February 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, January 2015  
Powder Technology , SCI Journal, January 2015  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, January 2015  
TUBITAK Project, December 2014  
2241 Sanayi Odaklı Bitirme Projeleri Yarışması (Proje Başvuru No: 113B411401839), Other Journals, October 2014  
2241 Sanayi Odaklı Bitirme Projeleri Yarışması (Proje Başvuru No: 113B411401832), Other Journals, October 2014  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, October 2014  
Proceedings of the IMECHE Part B: Journal of Engineering Manufacture , SCI Journal, October 2014  
2241 Sanayi Odaklı Bitirme Projeleri Yarışması (Proje Başvuru No: 113B411401824), Other Journals, October 2014  
TUBITAK Project, October 2014  
Powder Technology , SCI Journal, September 2014  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, September 2014  
TUBITAK Project, September 2014  
Journal of Power Sources, SCI Journal, July 2014  
TUBITAK Project, July 2014  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, May 2014  
Proceedings of the IMECHE, Part O: Journal of Risk and Reliability , SCI Journal, April 2014  
TUBITAK Project, April 2014  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture, National Scientific Refreed Journal, March 2014  
TUBITAK Project, February 2014  
TUBITAK Project, February 2014  
TUBITAK Project, December 2013  
Proceedings of the IMECHE, Part B: Journal of Engineering Manufacture , SCI Journal, November 2013  
International Journal of Machine Tools and Manufacture , SCI Journal, August 2013  
International Journal of Materials and Product Technology, SCI Journal, July 2013  
Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi (2012/311), SCI Journal, June 2013  
International Journal of Machine Tools and Manufacture , SCI Journal, May 2013  
Proceedings of the Institution of Mechanical Engineers, Part J, Journal of Engineering Tribology , SCI Journal, February 2013  
Proceedings of the IMECHE Part B: Journal of Engineering Manufacture, SCI Journal, January 2013  
Proceedings of the IMECHE Part B: Journal of Engineering Manufacture, SCI Journal, January 2013

## **Scientific Consultations**

KTÜ Araştırma Üst Kurulu, Scientific Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey, 2023 - Continues  
KTÜ Teknoloji Transfer Merkezi Yönetim Kurulu, Scientific Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey, 2023 - Continues  
Karadeniz Teknik Üniversitesi Teknoloji Transfer Merkezi Proje Pazarı Proje Değerlendirme, Scientific Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey, 2022 - 2022  
EUROPEAN COMMISSION -FUEL CELL HYDROGEN JOINT UNDERTAKING - FCH2 JU, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey, 2016 - 2016

## Metrics

Publication: 173

Citation (WoS): 951

Citation (Scopus): 1118

H-Index (WoS): 18

H-Index (Scopus): 19

## Congress and Symposium Activities

12th European Aeronautics Science Network (EASN) International Conference, Attendee, Barcelona, Spain, 2022

The 20th European Conference on Composite Materials (ECCM20), Attendee, Lausanne, Switzerland, 2022

Nanobrücken 2020: Nanomechanical Testing Conference & Bruker User Meeting, Attendee, Düsseldorf, Germany, 2020

The International Conference of Materials and Engineering Technologies (TICMET'19), Attendee, Gaziantep, Turkey, 2019

Successful R&I in Europe 2019 10th European Networking Event, Attendee, Düsseldorf, Germany, 2019

TF-X Milli Muharip Uçağı Bütünleşik İşlemci Ünitesi Çalıştayı, Attendee, Kocaeli, Turkey, 2018

ASELSAN 3. Malzeme Teknolojileri Çalıştayı, Attendee, Ankara, Turkey, 2018

Horizon 2020 Brokerage Event Nanotechnologies and Advanced Materials, Attendee, London, United Kingdom, 2017

Successful R&I in Europe 2017 - 8th European Networking Event, Attendee, Düsseldorf, Germany, 2017

3rd International Conference on Computational and Experimental Science and Engineering (ICCESSEN 2016), Attendee, Antalya, Turkey, 2016

International Conference on Material Science and Technology in Cappadocia (IMSTEC 2016), Attendee, Nevşehir, Turkey, 2016

Successful R&I in Europe 2015 - 7th European Networking Event, Attendee, Düsseldorf, Germany, 2015

Successful R&I in Europe 2015 - 7th European Networking Event, Invited Speaker, Düsseldorf, Germany, 2015

1st International Conference on Tribology - TURKEYTRIB, Attendee, İstanbul, Turkey, 2015

1st International Conference on Green Chemistry and Sustainable Technologies - GCSTI 2015, Attendee, İzmir, Turkey, 2015

Erasmus Staff Mobility - Teaching at Budapest University of Technology and Economics, Attendee, Budapeşte, Hungary, 2014

Global Cleantech Innovation Program, Cleantech Open 2014 Academy Accelerator (online), Attendee, Silicon Valley, CA, United States Of America, 2014

7th International Powder Metallurgy Conference and Exhibition, Attendee, Ankara, Turkey, 2014

7th Automotive Technologies Congress, Attendee, Bursa, Turkey, 2014

T.C. Bilim, Sanayii ve Teknoloji Bakanlığı, Teknogirişimcilik Eğitimi, Ankara, 18-19 Nisan 2014., Attendee, Ankara, Turkey, 2014

ASME International Mechanical Engineering Congress and Exposition, Attendee, San Diego, CA, United States Of America, 2013

Erasmus Staff Mobility - Training at Luleå University of Technology, Attendee, Luleå, Sweden, 2013

Creating Markets from Research Results, European Patent Office, Attendee, Münih, Germany, 2013

7th International Conference on MicroManufacturing - ICOMM 2012, Attendee, Evanston, IL, Turkey, 2012

TMS 2012 Annual Meeting & Exhibition, Attendee, Orlando, FL, United States Of America, 2012

6th International Conference on MicroManufacturing - ICOMM 2011, Attendee, Tokyo, Japan, 2011

17th International Symposium on Plasticity and Its Current Applications, Plasticity 2011, Attendee, Puerto Vallarta, Turkey, 2011

Materials Science and Technology Conference and Exhibition MS&T 2010, Attendee, Houston,TX, Turkey, 2010

5th International Conference on MicroManufacturing, ICOMM 2010, Attendee, Madison,WI, Turkey, 2010

2nd Ultrasonic Additive Manufacturing Technology Symposium, Attendee, Columbus,OH, United States Of America, 2009

37th The North American Manufacturing Research Conference (NAMRC 2009), Attendee, Clemson,SC, United States Of America, 2009

17th International Conference on Wear of Materials, Attendee, Las Vegas, NV, United States Of America, 2009

5th JSTP International Seminar on Precision Forging, Attendee, Kyoto, Japan, 2009

ASME International Manufacturing Science and Engineering Conference, MSEC2008, Attendee, Evanston, IL, United States Of America, 2008

International German Summer School 2006 on Aviation, Weather and Atmosphere, Attendee, Braunschweig, Germany, 2006

MSC Software Users Conference 2006, Attendee, İstanbul, Turkey, 2006

## **Scholarships**

Black Sea Horizon Travel Grant for Networking Events, European Commission, 2016 - Continues

## **Awards**

CORA Ö. N., Research Assist Program Award, MSC Software Corporation, March 2016

## **Non Academic Experience**

Company, MİTAŞ CİVATA , Ar-Ge  
MİTAŞ CİVATA SANAYİİ TİC. LTD. ŞTİ.