

## Assoc. Prof. MUSTAFA ÖZGÜR BORA

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Bölümü, Turkey 2007 - 2011

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Bölümü, Turkey 2005 - 2007

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2001 - 2005

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Polifenilen sulfid (PPS) matrisli kompozitlerin tabakalar arası kayma dayanımlarının iyileştirilmesi, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2011

Postgraduate, Polimer kompozitlerin tekrarlı darbe yüklemeleri altındaki davranışı, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2007

### Research Areas

Mechanical Engineering, Construction and Manufacturing, Material, Aeronautical and Space Engineering, Aeronautical Engineering, Material Technologies, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Kocaeli University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2018 - Continues

Assistant Professor, Kocaeli University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2012 - 2018

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2005 - 2011

## Academic and Administrative Experience

Assistant Director of the Institute, Kocaeli University, Havacılık ve Uzak Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2024 - Continues  
Bölüm Kalite Komisyonu Üyesi, Kocaeli University, Havacılık ve Uzak Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2021 - Continues  
Deputy Head of Department, Kocaeli University, Havacılık ve Uzak Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2021 - Continues  
Erasmus Coordinator, Kocaeli University, Havacılık ve Uzak Bilimleri Fakültesi, Uçak Gövde ve Motor Bakımı, 2012 - Continues

## Courses

BİLİMSSEL ARAŞTIRMA VE YAZIM TEKNİKLERİ, Undergraduate, 2023 - 2024  
BİLGİSAYAR DESTEKLİ TEKNİK RESİM, Undergraduate, 2023 - 2024  
FİBER METAL TABAKALI KOMPOZİTLER, Postgraduate, 2022 - 2023  
UÇAK MALZEMELERİNİN YAPI VE ÖZELLİKLERİ, Postgraduate, 2022 - 2023  
MEKANİK, Undergraduate, 2022 - 2023  
MALZEME BİLGİSİ, Undergraduate, 2023 - 2024  
Hava Aracı Yapıları ve Sistemleri I, Undergraduate, 2022 - 2023  
HAVA ARACI MALZEMELERİ, Undergraduate, 2022 - 2023  
ENDÜSTRİYEL POLİMERİK YAPIŞTIRICILAR, Postgraduate, 2023 - 2024  
BİLGİSAYAR DESTEKLİ TEKNİK RESİM, Undergraduate, 2020 - 2021  
BİLGİSAYAR DESTEKLİ TEKNİK RESİM, Undergraduate, 2017 - 2018  
MAKİNE ELEMANLARI 2, Undergraduate, 2017 - 2018  
HAVACILIKTA NDT YÖNTEMLERİ, Undergraduate, 2017 - 2018  
MAKİNE ELEMANLARI, Undergraduate, 2017 - 2018  
HAVA ARACI MALZEME DONANIMI I, Undergraduate, 2017 - 2018  
HAVA ARACI MALZEME DONANIMI II, Undergraduate, 2016 - 2017  
Hava Aracı Malzeme Donanımı-1, Undergraduate, 2016 - 2017  
Malzeme Bilgisi, Undergraduate, 2016 - 2017  
Makine Elemanları, Undergraduate, 2016 - 2017

## Advising Theses

Bora M. Ö., Hava araçlarında kullanılacak yeni nesil fiber metal tabakalı kompozit malzemelerin metal/prepreg arayüzey dayanımının belirlenmesi, Postgraduate, C.UÇAN(Student), 2023  
Bora M. Ö., OTOMOTİV UYGULAMALARINA YÖNELİK HİBRİT KAOLİN VE TALK DOLGUSUNUN POLİAMİD 66 KOMPOZİTLERİNİN ÖZELLİKLERİNE ETKİSİNİN İNCELENMESİ, Postgraduate, M.CAN(Student), 2023  
Bora M. Ö., 2024-T3 ALÜMİNYUM ALAŞIMLARIN KADEMELENDİRME ORANI VE MALZEME KALINLIĞININ KADEMELENDİRME YÖNTEMİYLE ŞEKİLLENDİRMEYE ETKİSİNİN DENEYSEL VE SAYISAL OLARAK İNCELENMESİ, Postgraduate, S.YURDUSEVEN(Student), 2023  
Bora M. Ö., Nano malzeme takviyeli epoksinin alüminyum yapıştırma bağlantılarında higrotermal yaşlandırmaya ve hibrit takviyenin mekanik özelliklere etkisi, Postgraduate, E.OZUN(Student), 2022  
Bora M. Ö., Nano malzeme takviyeli epoksinin alüminyum yapıştırma bağlantılarında higrotermal yaşlandırma şartları altında mekanik özelliklere etkisi, Postgraduate, R.CEYLAN(Student), 2022  
Bora M. Ö., TFP TEKNOLOJİSİ KULLANILARAK SIKIŞTIRMALI KALIPLAMA TEKNİĞİ İLE ÜRETİLMİŞ TERMOPLASTİK MATRİSLİ KOMPOZİTLERİN ÜRETİM TUTMA SÜRESİNİN MEKANİK ÖZELLİKLERE ETKİSİNİN BELİRLENMESİ, Postgraduate, H.KARA(Student), 2022

Bora M. Ö., FİBER LAZER TEKNİĞİ KULLANILARAK FİBER METAL TABAKALI KOMPOZİTLERİN METAL/PREPREG KUMAŞ ARAYÜZEY DAYANIMININ GELİŞTİRİLMESİ, Postgraduate, R.AKSÜT(Student), 2021

Bora M. Ö., TERMOPLASTİK PREPREG ESASLI AĞIR TİCARİ ARAÇ KOLTUĞU TASARIMI, ANALİZİ VE ÜZERİNE ENJEKSİYON PROSESİ İLE ÜRETİMİ, Postgraduate, S.BİRÇİÇEK(Student), 2021

Bora M. Ö., Determination of bending characteristics of aluminum/aluminum honeycomb sandwich composites exposed to different thermal cycles, Postgraduate, E.KURT(Student), 2021

Bora M. Ö., SIVI KAUCUKLARIN KORD BEZİ KAPLAMA HAMURUNUN ISIL, MEKANİK VE YAPIŞMA ÖZELLİKLERİNE ETKİLERİ, Postgraduate, F.ÇELTİK(Student), 2020

Bora M. Ö., Termal çevrime maruz bırakılmış 4/3 dizimli fiber metal tabakalı kompozitlerin eğilme özelliklerinin ve oluşan hasar mekanizmalarının belirlenmesi, Postgraduate, H.FİDAN(Student), 2018

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

- I. **Investigation of the effect of thermal aging and wear test parameters on the wear behavior of glass fiber (GF) reinforced epoxy composites**  
Şahin A. E., Yarar E., Bora M. Ö., Yılmaz T.  
POLYMER COMPOSITES, vol.45, no.9, pp.7820-7832, 2024 (SCI-Expanded)
- II. **Understanding the effect of solid lubricants on scratch behavior in epoxy resins: An experimental and statistical approach**  
Ceylan R., Ozun E., Özzaim Toker P., Korkusuz O. B., Yarar E., Fidan S., Bora M. Ö., Sınmazçelik T.  
POLYMER COMPOSITES, vol.45, no.8, pp.7346-7363, 2024 (SCI-Expanded)
- III. **Effect of solid lubricant additives on solid particle erosion characteristics of rigid and toughened epoxy resins**  
Özzaim Toker P., Korkusuz O. B., Ozun E., Ceylan R., Fidan S., Yarar E., Bora M. Ö., Sınmazçelik T.  
JOURNAL OF VINYL AND ADDITIVE TECHNOLOGY, vol.1, no.1, pp.1-17, 2024 (SCI-Expanded)
- IV. **Scratch resistance of glass-basalt fiber reinforced epoxy hybrid composites: A comparative study**  
Fidan S., Özsoy M. İ., Ürgün S., Bora M. Ö.  
POLYMER COMPOSITES, vol.1, no.1, pp.1-20, 2024 (SCI-Expanded)
- V. **Advanced hybrid composites: A comparative study of glass and basalt fiber reinforcements in erosive environments**  
Fidan S., Özsoy M. İ., Bora M. Ö., Ürgün S.  
POLYMER COMPOSITES, vol.1, no.1, pp.1-21, 2024 (SCI-Expanded)
- VI. **Effects of Double and Triple Hybrid Nanomaterial Reinforcements on Mechanical Performance of Aluminium Adhesive Joints**  
Ozun E., Ceylan R., Bora M. Ö., Çoban O., Kutluk T.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.33, no.9, pp.4392-4407, 2024 (SCI-Expanded)
- VII. **Thermal aging effect on mechanical properties of polyamide 6 matrix composites produced by TFP and compression molding**  
Yarar E., Şahin A. E., Kara H., Çep E. B., Bora M. Ö.  
POLYMER COMPOSITES, vol.45, no.3, pp.2869-2884, 2024 (SCI-Expanded)
- VIII. **Thermal aging effect of polyamide 6 matrix composites produced by Tailor Fiber Placement (TFP) under compression molding on sliding wear properties**  
Şahin A. E., Yarar E., Kara H., Çep E. B., Bora M. Ö., Yılmaz T.  
POLYMER COMPOSITES, vol.45, no.1, pp.98-110, 2024 (SCI-Expanded)
- IX. **Exploring the effects of thermal aging on scratch resistance of carbon fiber reinforced composite materials: A comprehensive study**  
Bulçak T. D., Bora M. Ö., Fidan S., Yarar E., Akagündüz E.  
POLYMER COMPOSITES, vol.44, no.10, pp.7084-7101, 2023 (SCI-Expanded)
- X. **Comparison of low-velocity impact behavior of thick laminated composite structure with experimental and modeling technique**

Baçoğlu F., Yakar E. C., Bora M. Ö., Tuna V.

POLYMER COMPOSITES, vol.44, no.11, pp.7657-7673, 2023 (SCI-Expanded)

- XI. **The effect of surface treatments on the interlaminar shear failure of GLARE laminate included AA6061-T6 layers by comparing failure characteristics**  
Süsler S., Bora M. Ö., Ucan C., Türkmen H. S.  
COMPOSITE INTERFACES, vol.30, no.6, pp.627-643, 2023 (SCI-Expanded)
- XII. **The effect of hygrothermal aging on the adhesion performance of nanomaterial reinforced aluminium adhesive joints**  
Ceylan R., Ozun E., ÇOBAN O., BORA M. Ö., KUTLUK T.  
International Journal of Adhesion and Adhesives, vol.121, 2023 (SCI-Expanded)
- XIII. **The effect of surface treatments on the interlaminar shear failure of GLARE laminates subjected to pre-cyclic thermal loads**  
SÜSLER S., BORA M. Ö., Ucan C., Türkmen H. S.  
POLYMER COMPOSITES, vol.43, no.12, pp.9040-9053, 2022 (SCI-Expanded)
- XIV. **Combined effect of surface pretreatment and nanomaterial reinforcement on the adhesion strength of aluminium joints**  
Ozun E., Ceylan R., Bora M. Ö., ÇOBAN O., KUTLUK T.  
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.119, 2022 (SCI-Expanded)
- XV. **Laser-induced groove optimization for Al/CFRP adhesive joint strength**  
Akman E., Bora M. Ö., Çoban O., Oztoprak B.  
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.107, 2021 (SCI-Expanded)
- XVI. **Comparison of novel surface treatments of Al 2024 alloy for al/cfrp adhesive bonded joints**  
Özgür Bora M. Ö., ÇOBAN O., AKMAN E., Oztoprak B., KUTLUK T.  
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.103, 2020 (SCI-Expanded)
- XVII. **Investigation of the differences between photochemical and photothermal laser ablation on the shear strength of CFRP/CFRP adhesive joints**  
AKMAN E., Erdogan Y., BORA M. Ö., ÇOBAN O., Oztoprak B., Demir A.  
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.98, 2020 (SCI-Expanded)
- XVIII. **Laser surface treatment of CFRP composites for a better adhesive bonding owing to the mechanical interlocking mechanism**  
Çoban O., Akman E., Bora M. Ö., Oztoprak B., Demir A.  
POLYMER COMPOSITES, vol.40, no.9, pp.3611-3622, 2019 (SCI-Expanded)
- XIX. **The Effect of CO<sub>2</sub> Laser-Induced Microhole Formations on Adhesive Bonding Strength of CFRP/CFRP Joints**  
Bora M. Ö., Akman E., Çoban O., Oztoprak B., Demir A.  
POLYMER COMPOSITES, vol.40, pp.2891-2900, 2019 (SCI-Expanded)
- XX. **The use of volcanic particles in HDPE offers alternative filling material against CaCO<sub>3</sub>. Part II—scratch properties**  
Bora M. Ö., Çoban O., Kutluk T., Akagündüz E.  
Polymer Composites, vol.40, pp.2564-2572, 2019 (SCI-Expanded)
- XXI. **Investigation of accumulated laser fluence and bondline thickness effects on adhesive joint performance of CFRP composites**  
Akman E., Erdoğan Y., Bora M. Ö., Çoban O., Oztoprak B., Demir A.  
International Journal of Adhesion and Adhesives, vol.89, pp.109-116, 2019 (SCI-Expanded)
- XXII. **Mechanical and Thermal Properties of Volcanic Particle Filled PLA/PBAT Composites**  
ÇOBAN O., BORA M. Ö., KUTLUK T., ÖZKOÇ G.  
POLYMER COMPOSITES, vol.39, 2018 (SCI-Expanded)
- XXIII. **Comparative Study of Volcanic Particle and Calcium Carbonate Filler Materials in HDPE for Thermal and Mechanical Properties**  
ÇOBAN O., BORA M. Ö., KUTLUK T.  
POLYMER COMPOSITES, vol.39, 2018 (SCI-Expanded)

- XXIV. **The Influence of Heat Treatment Process on Mechanical Properties of Surface Treated Volcanic Ash Particles/Polyphenylene Sulfide Composites**  
BORA M. Ö., ÇOBAN O., KUTLUK T., FİDAN S., SINMAZÇELİK T.  
POLYMER COMPOSITES, vol.39, no.5, pp.1604-1611, 2018 (SCI-Expanded)
- XXV. **Heat Treatment Effect on Thermal and Thermomechanical Properties of Polyphenylene Sulfide Composites Reinforced With Silane-Treated Volcanic Ash Particles**  
ÇOBAN O., BORA M. Ö., KUTLUK T., FİDAN S., SINMAZÇELİK T.  
POLYMER COMPOSITES, vol.39, no.5, pp.1612-1619, 2018 (SCI-Expanded)
- XXVI. **Heat Treatment Effect on Solid Particle Erosion Properties of Polyphenylene Sulfide Composites Reinforced With Silane Coupled Volcanic Ash Particles**  
ÇOBAN O., BORA M. Ö., FİDAN S., KUTLUK T., SINMAZÇELİK T.  
POLYMER COMPOSITES, vol.39, no.5, pp.1638-1646, 2018 (SCI-Expanded)
- XXVII. **Damage characterization of three point bended honeycomb sandwich structures under different temperatures with cone beam computed tomography technique**  
AKATAY A., BORA M. Ö., FİDAN S., ÇOBAN O.  
POLYMER COMPOSITES, vol.39, no.1, pp.46-54, 2018 (SCI-Expanded)
- XXVIII. **Experimental investigation of single and repeated impacts for repaired honeycomb sandwich structures**  
BALCI O., ÇOBAN O., BORA M. Ö., Akagunduz E., YALÇIN E. B.  
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.682, pp.23-30, 2017 (SCI-Expanded)
- XXIX. **The Scratch Behavior of Accelerated Aged Carbon Fiber-Reinforced Epoxy Matrix Composite**  
FİDAN S., BORA M. Ö., ÇOBAN O., Akagunduz E.  
POLYMER COMPOSITES, vol.37, no.12, pp.3527-3534, 2016 (SCI-Expanded)
- XXX. **Effect of Mixed Size Particles Reinforcing on the Thermal and Dynamic Mechanical Properties of Al<sub>2</sub>O<sub>3</sub>/PPS Composites**  
ÇOBAN O., BORA M. Ö., SINMAZÇELİK T.  
POLYMER COMPOSITES, vol.37, no.11, pp.3219-3227, 2016 (SCI-Expanded)
- XXXI. **Thermal, viscoelastic and mechanical properties' optimization of polyphenylene sulfide via optimal processing parameters using the Taguchi method**  
ÇOBAN O., KIVANÇ T., BORA M. Ö., ÖZCAN B., SINMAZÇELİK T., FİDAN S.  
JOURNAL OF APPLIED STATISTICS, vol.43, no.14, pp.2661-2680, 2016 (SCI-Expanded)
- XXXII. **Surface Modification Effect of Volcanic Ash Particles Using Silane Coupling Agent on Mechanical Properties of Polyphenylene Sulfide Composites**  
BORA M. Ö., ÇOBAN O., FİDAN S., KUTLUK T., SINMAZÇELİK T.  
ACTA PHYSICA POLONICA A, vol.129, no.4, pp.495-497, 2016 (SCI-Expanded)
- XXXIII. **Effect of Silane as Coupling Agent on Dynamic Mechanical Properties of Volcanic Ash Filled PPS Composites**  
ÇOBAN O., BORA M. Ö., KUTLUK T., FİDAN S., SINMAZÇELİK T.  
ACTA PHYSICA POLONICA A, vol.129, no.4, pp.492-494, 2016 (SCI-Expanded)
- XXXIV. **Silane Coupling Efficiency on Thermal Properties of Volcanic Ash Filled PPS Composites**  
KUTLUK T., ÇOBAN O., BORA M. Ö., FİDAN S., SINMAZÇELİK T.  
ACTA PHYSICA POLONICA A, vol.129, no.4, pp.498-500, 2016 (SCI-Expanded)
- XXXV. **The influence of different circular hole perforations on interlaminar shear strength of a novel fiber metal laminates**  
BORA M. Ö., ÇOBAN O., SINMAZÇELİK T., CÜRGÜL I.  
POLYMER COMPOSITES, vol.37, no.3, pp.963-973, 2016 (SCI-Expanded)
- XXXVI. **Damage Characterization of Repeatedly Impacted Glass Fiber Reinforced Polyester-Armor Steel Composites With Cone Beam Computed Tomography Technique**  
FİDAN S., BORA M. Ö., ÇOBAN O., TUNA V.  
POLYMER COMPOSITES, vol.37, no.2, pp.583-593, 2016 (SCI-Expanded)

- XXXVII. **Scratch behavior of glass fiber reinforced polyester matrix composite after solid particle erosion**  
BORA M. Ö., FİDAN S., ÇOBAN O., YÜCEL Z.  
POLYMER COMPOSITES, vol.36, no.11, pp.1958-1966, 2015 (SCI-Expanded)
- XXXVIII. **The influence of low velocity repeated impacts on residual compressive properties of honeycomb sandwich structures**  
Akatay A., BORA M. Ö., ÇOBAN O., FİDAN S., TUNA V.  
COMPOSITE STRUCTURES, vol.125, pp.425-433, 2015 (SCI-Expanded)
- XXXIX. **Evaluation of Volcanic Ash Concentration Effect on Mechanical Properties of Poly(Vinyl Chloride) Composites**  
Bora M. Ö.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1004-1006, 2015 (SCI-Expanded)
- XL. **The influence of heat treatment on scratch behavior of polymethylmethacrylate (PMMA)**  
Bora M. Ö.  
TRIBOLOGY INTERNATIONAL, vol.78, pp.75-83, 2014 (SCI-Expanded)
- XLI. **Possible Use of Volcanic Ash as a Filler in Polyphenylene Sulfide Composites: Thermal, Mechanical, and Erosive Wear Properties**  
AVCU E., ÇOBAN O., BORA M. Ö., FİDAN S., SINMAZÇELİK T., ERSOY O.  
POLYMER COMPOSITES, vol.35, no.9, pp.1826-1833, 2014 (SCI-Expanded)
- XLII. **The Effect of TiO<sub>2</sub> Filler Content on the Mechanical, Thermal, and Tribological Properties of TiO<sub>2</sub>/PPS Composites**  
BORA M. Ö., ÇOBAN O., AVCU E., FİDAN S., SINMAZÇELİK T.  
POLYMER COMPOSITES, vol.34, no.10, pp.1591-1599, 2013 (SCI-Expanded)
- XLIII. **Solid Particle Erosive Wear Behavior of Glass Mat Reinforced PPS Composites: Influence of Erodent Particle Size, Pressure, Particle Impingement Angle, and Velocity**  
AVCU E., FİDAN S., BORA M. Ö., ÇOBAN O., TAŞKIRAN I., SINMAZÇELİK T.  
ADVANCES IN POLYMER TECHNOLOGY, vol.32, 2013 (SCI-Expanded)
- XLIV. **The Influence of Annealing on the Crystallization and Tribological Behavior of MWNT/PEEK Nanocomposites**  
ÇOBAN O., BORA M. Ö., AVCU E., SINMAZÇELİK T.  
POLYMER COMPOSITES, vol.32, no.11, pp.1766-1771, 2011 (SCI-Expanded)
- XLV. **A review: Fibre metal laminates, background, bonding types and applied test methods**  
SINMAZÇELİK T., AVCU E., BORA M. Ö., ÇOBAN O.  
MATERIALS & DESIGN, vol.32, no.7, pp.3671-3685, 2011 (SCI-Expanded)
- XLVI. **Instrumented indentation and scratch testing evaluation of tribological properties of tin-based bearing materials**  
BORA M. Ö., ÇOBAN O., SINMAZÇELİK T., GÜNAY V., ZEREN M.  
MATERIALS & DESIGN, vol.31, no.6, pp.2707-2715, 2010 (SCI-Expanded)
- XLVII. **Effect of Fiber Orientation on Scratch Resistance in Unidirectional Carbon-Fiber-Reinforced Polymer Matrix Composites**  
BORA M. Ö., ÇOBAN O., SINMAZÇELİK T., GÜNAY V.  
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.29, no.10, pp.1476-1490, 2010 (SCI-Expanded)
- XLVIII. **Effect of Fiber Orientation on Viscoelastic Properties of Polymer Matrix Composites Subjected to Thermal Cycles**  
ÇOBAN O., BORA M. Ö., SINMAZÇELİK T., GÜNAY V.  
POLYMER COMPOSITES, vol.31, no.3, pp.411-416, 2010 (SCI-Expanded)
- XLIX. **Fracture morphology and deformation characteristics of repeatedly impacted thermoplastic matrix composites**  
Çoban O., Bora M. Ö., Sinmazçelik T., Cürgül I., Günay V.  
MATERIALS & DESIGN, vol.30, no.3, pp.628-634, 2009 (SCI-Expanded)
- L. **On the life time prediction of repeatedly impacted thermoplastic matrix composites**  
Bora M. Ö., Çoban O., Sinmazçelik T., Cuerguel I., Guenay V.

MATERIALS & DESIGN, vol.30, no.1, pp.145-153, 2009 (SCI-Expanded)

- LI. **The effects of thermal cycles on the impact fatigue properties of thermoplastic matrix composites**  
SINMAZÇELİK T., ÇOBAN O., Bora M. Ö., Guenay V., Cuerguel I.  
APPLIED COMPOSITE MATERIALS, vol.15, no.2, pp.99-113, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of Groove Width Created by Fiber Laser on ST52 Steel**  
Ürgün S., Bora M. Ö., Fidan S., Canel T.  
Natural and Applied Sciences Journal, vol.7, no.1, pp.45-60, 2024 (Peer-Reviewed Journal)
- II. **Topology Optimization and Additive Manufacturing Application for Check Form Tool on Aviation Industry**  
Yurduseven S., BORA M. Ö., Abacı B.  
Aspects in Mining & Mineral Science (AMMS), vol.7, no.4, pp.847-850, 2021 (Peer-Reviewed Journal)
- III. **Effect of Liquid Rubbers on The Mechanical and Dispersibility Properties of The Tire Skim Compound**  
Kılıç E., Çeltik F., BORA M. Ö., Altuncu E.  
Academic Perspective Procedia, vol.4, no.1, pp.129-141, 2021 (Peer-Reviewed Journal)
- IV. **Effect Of Liquid Rubbers On The Thermal And Adhesion Properties Of The Tire Skim Compound**  
Çeltik F., Kılıç E., BORA M. Ö., Altuncu E.  
Academic Perspective Procedia, vol.4, no.1, pp.101-110, 2021 (Peer-Reviewed Journal)
- V. **The Investigation of Damage Mechanisms of Thermally Aged 4/3 Glare with Cone Beam Computed Tomography**  
FİDAN H., BORA M. Ö., ÇOBAN O., AKAGÜNDÜZ E.  
Polymer Science: Peer Review Journal, vol.2, no.1, pp.1-7, 2021 (Peer-Reviewed Journal)
- VI. **Flexural and erosive properties of aviation composites**  
BORA M. Ö., ÇOBAN O., AVCU E., FİDAN S., SINMAZÇELİK T.  
Society of Plastics Engineers (SPE), pp.1-4, 2013 (Peer-Reviewed Journal)
- VII. **Düşük Hızlı Darbe Yüklemleri Sonucu Kompozit Malzemelerde Ortaya Çıkan Hasar Mekanizmaları**  
FİDAN S., SINMAZÇELİK T., BORA M. Ö., ÇOBAN O.  
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## Books & Book Chapters

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- FİDAN S., BORA M. Ö., ÜRGÜN S., ÖZSOY M. İ., Project Supported by Higher Education Institutions, DOĞAL ELYAFKUMAŞ KATKILI KARBON VE CAM TABAKALIHİBRİT KOMPOZİTLERİN ÜRETİMİ ÜRETİM SONRASI KAT DİZİLİMİNİN EROZİF AŞINMA VE EĞİLME DAVRANIŞINA ETKİSİ, 2024 - Continues
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## Scientific Refereeing

COMPOSITE STRUCTURES, SCI Journal, December 2023

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TRIBOLOGY INTERNATIONAL, SCI Journal, November 2023

## Tasks In Event Organizations

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Bora M. Ö., The Seventh International Conference on New Material and Chemical Industry NMCI 2022, Scientific Congress, Zhuhai, China, Kasım 2022

Bora M. Ö., 9. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Scientific Congress, Ankara, Turkey, Mayıs 2022

## Scientific Research / Working Group Memberships

Havacılık Malzemeleri Araştırma Ve Geliştirme Laboratuvarı Hamag, Kocaeli University, Türkiye, <http://laboratuvar.kocaeli.edu.tr/hamag/index.php?a=Hakkinda>, 2016 - Continues

## Metrics

Publication: 146

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## Non Academic Experience

ÖZGÜRMAK LTD.ŞTİ