

Prof. Ayşegül AKDOĞAN EKER

Personal Information

Office Phone: [+90 021 383 2798](tel:+900213832798)

Web: <http://avesis.yildiz.edu.tr/akdogan>- <http://www.amrg.yildiz.edu.tr>

Address: Yıldız Teknik Üniversitesi Makine Mühendisliği Bölümü 34349 Beşiktaş İstanbul Türkiye

International Researcher IDs

ScholarID: 0VNvKc8AAAAJ

ORCID: 0000-0003-0212-9230

Publons / Web Of Science ResearcherID: AAZ-6045-2020

ScopusID: 37048557500

Yoksis Researcher ID: 7668

Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Makine Mühendisliği, Turkey
1983 - 1987

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 1979 - 1981

Undergraduate, Yıldız Technical University, Kimya Mühendisliği, Kimya Mühendisliği, Turkey 1974 - 1978

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Alüminyum alaşımlarının otomotiv sektöründeki kullanımı, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği, 1987

Research Areas

Mechanical Engineering, Energy, Wind power, Construction and Manufacturing, Tribology, Machine Design, NDT Engineering, Casting Methods, Material, Metallurgical and Materials Engineering, Material science and engineering, Testing and Control of Materials, Mechanical Properties, Corrosion and Corrosion Protection, Composites, Polymeric Materials, Biomaterials, Thermal Treatment, Material Characterization, Metallic Materials, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Mechanical Engineering, Machine, 2000 - Continues

Associate Professor, Yıldız Technical University, Faculty Of Mechanical Engineering, Machine, 1994 - 2000

Assistant Professor, Yıldız Technical University, Faculty Of Mechanical Engineering, Machine, 1993 - 1994

Research Assistant, Yıldız Technical University, Faculty Of Mechanical Engineering, Machine, 1980 - 1992

Academic and Administrative Experience

University Executive Board Member, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2021 - Continues

Fakülte Kurulu Üyesi, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2021 - Continues

Yıldız Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği , 2010 - 2017

Advising Theses

Akdoğan Eker A., OTOMOTİV SEKTÖRÜNDE KULLANILMAK ÜZERE ÇEVRE DOSTU YENİ NESİL DOĞAL LİF TAKVİYELİ KOMPOZİT MALZEMELERİN GELİŞTİRİLMESİ, Doctorate, A.AVCI(Student), 2022

Akdoğan Eker A., Küçükıldırım B. O., Fırtına Obüsün Silah Sistemi Üzerinde Bulunan Gaz Paftasının Kullanım Ömrünün Arttırılması, Postgraduate, M.Samir(Student), 2016

Research Infrastructure Information

Akdoğan Eker A., Küçükıldırım B. O., Avcı A., YTÜ Advanced Materials Research Group, January 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhanced CMAS and hot corrosion degradation of YSZ thermal barrier coating with nano powders**
ÖZÇELİK A., AKDOĞAN EKER A., KARABAŞ M., AVCI A., KÜÇÜKYILDIRIM B. O.
Surface and Coatings Technology, vol.481, 2024 (SCI-Expanded)
- II. **Improvement of CMAS resistance of laser glazed and nano-modified YSZ thermal barrier coatings**
AVCI A., Karabaş M., AKDOĞAN EKER A., AKMAN E., Aslan C.
Ceramics International, vol.50, no.7, pp.9985-9999, 2024 (SCI-Expanded)
- III. **The effects of various boron compounds on the thermal, microstructural and mechanical properties of PLA biocomposites**
Avcı A., AKDOĞAN EKER A., BODUR M. S., KÜÇÜKYILDIRIM B. O.
Thermochimica Acta, vol.731, 2024 (SCI-Expanded)
- IV. **Effects of different design and lightweight material on energy distribution and collision characteristics for hot-formed B-pillar using finite element simulation**
Barut E., Eker A. A., Yöntem O.
Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2024 (SCI-Expanded)
- V. **Hot corrosion and CMAS degradation of laser-glazed YSZ coating with optimum parameter**
Avcı A., Karabaş M., AKDOĞAN EKER A., AKMAN E., Aslan C.
Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, vol.237, no.11, pp.2722-2734, 2023 (SCI-Expanded)
- VI. **Hot corrosion behavior of CYSZ thermal barrier coating with optimized laser surface modification**
Avcı A., Karabaş M., AKDOĞAN EKER A., AKMAN E., Aslan C.
Ceramics International, vol.49, no.19, pp.31396-31404, 2023 (SCI-Expanded)
- VII. **Water absorption characterization of boron compounds-reinforced PLA/flax fiber sustainable composite.**
Avcı A., Eker A., Bodur M. S., Candan Z.
International journal of biological macromolecules, vol.233, pp.123546, 2023 (SCI-Expanded)
- VIII. **An experimental investigation on the thermal and mechanical characterization of boron/flax/PLA**

sustainable composite

Avcı A., Eker A. A., Bodur M. S., Candan Z.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.236, pp.2561-2573, 2022 (SCI-Expanded)

- IX. **Polyurethane foam materials and their industrial applications**
Ates M., Karadag S., AKDOĞAN EKER A., Eker B.
POLYMER INTERNATIONAL, vol.71, no.10, pp.1157-1163, 2022 (SCI-Expanded)
- X. **Influence of Compatibilization and Internal Lubricant on the Mechanical and Thermo-mechanical Properties of PLA/TPU Compound**
Avcı A., AKDOĞAN EKER A., BODUR M. S.
POLYMER-KOREA, vol.46, no.5, pp.671-683, 2022 (SCI-Expanded)
- XI. **Effect of titanium dioxide nanotubes on the mechanical and antibacterial properties of the low-viscosity bulk-fill composite**
Ozlen R. H. E., DALKILIÇ E., KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A., Topcuoglu N., Kulekci G.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.36, no.16, pp.1727-1744, 2022 (SCI-Expanded)
- XII. **Influence of Sliding Rate and Load with Friction on NiTi Shape Memory Alloy Wear Resistance**
AVCI A., AKDOĞAN EKER A., KÜÇÜKYILDIRIM B. O.
METAL SCIENCE AND HEAT TREATMENT, vol.64, pp.211-218, 2022 (SCI-Expanded)
- XIII. **Numerical simulation and experimental analysis for evaluating warpage of a 3D thin-walled polymeric part using the injection compression molding process**
SÖNMEZ D., AKDOĞAN EKER A.
INTERNATIONAL POLYMER PROCESSING, vol.37, no.2, pp.164-175, 2022 (SCI-Expanded)
- XIV. **Effect of coupling agent and alkali treatment on mechanical, thermal and morphological properties of flax-fiber-reinforced PLA composites**
Avcı A., AKDOĞAN EKER A., Bodur M. S.
GREEN MATERIALS, vol.9, no.3, pp.131-144, 2021 (SCI-Expanded)
- XV. **Numerical Simulation and Process Optimization of a 3D Thin-Walled Polymeric Part Using Injection Compression Molding**
Sonmez D., Eker A.
INTERNATIONAL POLYMER PROCESSING, vol.36, no.4, pp.459-467, 2021 (SCI-Expanded)
- XVI. **Fabrication of carbon nanotube reinforced aluminum alloy composites by vacuum-assisted infiltration technique**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Journal of Composite Materials, vol.55, pp.2225-2235, 2021 (SCI-Expanded)
- XVII. **Neutron shielding characteristics of polymer composites with boron carbide**
Tuna T., AKDOĞAN EKER A., Kam E.
JOURNAL OF THE KOREAN PHYSICAL SOCIETY, vol.78, no.7, pp.566-573, 2021 (SCI-Expanded)
- XVIII. **Effects of Sonication Time on the Stability and Viscosity of Functionalized MWCNT-Based Nanolubricants**
Dalkılıç A. S., Küçükıldırım B. O., Akdoğan Eker A., Yıldız F., Akpınar A., Jumholkul C., Wongwises S.
Current Nanoscience, vol.16, no.4, pp.639-654, 2020 (SCI-Expanded)
- XIX. **An investigation of oxidation, hot corrosion, and thermal shock behavior of atmospheric plasma-sprayed YSZ-Al₂O₃ composite thermal barrier coatings**
Avcı A., Akdoğan Eker A., Karabaş M.
International Journal Of Materials Research, vol.111, pp.1-14, 2020 (SCI-Expanded)
- XX. **Histopathological, immunohistochemical, and biomechanical effects of splenectomy on Achilles tendon healing in rats**
Yüksel S., Gulec M. A., Gültekin Z., Çağlar A., Beytemur O., Alagöz E., Eker A., Subaşı C., Karaöz E.
CONNECTIVE TISSUE RESEARCH, vol.60, pp.200-208, 2019 (SCI-Expanded)
- XXI. **Experimental study on the thermal conductivity of water-based CNT-SiO₂ hybrid nanofluids**
Dalkılıç A. S., Yalçın G., Küçükıldırım B. O., Öztuna S., Akdoğan Eker A., Jumholkul C., Nakkaew S., Wongwises S.

- International Communications in Heat and Mass Transfer, vol.99, pp.18-25, 2018 (SCI-Expanded)
- XXII. **Experimental investigation on the viscosity characteristics of water based SiO₂-graphite hybrid nanofluids**
DALKILIÇ A. S., AÇIKGÖZ Ö., KÜÇÜKYILDIRIM B. O., Eker A., Lüleci B., Jumpholkul C., Wongwises S.
International Communications in Heat and Mass Transfer, vol.97, pp.30-38, 2018 (SCI-Expanded)
- XXIII. **Experimental Study on the Stability and Viscosity for the Blends of Functionalized MWCNTs with Refrigeration Compressor Oils**
Dalkilic A. S., Mahian O., Kucukyildirim B. O., Eker A. A., Ozturk T. H., Jumpholkul C., Wongwises S.
CURRENT NANOSCIENCE, vol.14, pp.216-226, 2018 (SCI-Expanded)
- XXIV. **Carbon nanotube-based nanocomposites and their applications**
Ates M., Eker A., Eker B.
Journal of Adhesion Science and Technology, vol.31, pp.1977-1997, 2017 (SCI-Expanded)
- XXV. **Experimental investigation on the viscosity of Water-CNT and Antifreeze-CNT nanofluids**
Dalkılıç A. S., Küçükyıldırım B. O., Eker A., Cebı A., Tapan S., Jumpholkul C., Wongwises S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.80, pp.47-59, 2017 (SCI-Expanded)
- XXVI. **Surface Roughness Changes on β -Titanium Orthodontic Wires after Corrosion in Various Artificial Saliva Solutions**
Kucukyildirim B. O., Akdoğan Eker A.
Materialprufung, vol.55, no.5, pp.374-378, 2013 (SCI-Expanded)
- XXVII. **Creep Behaviour of Near-Equiatomic Nickel-Titanium Wires**
Eker A., SONMEZ D., KUCUKYILDIRIM B. O.
MATERIALS TESTING, vol.55, no.2, pp.92-95, 2013 (SCI-Expanded)
- XXVIII. **Surface roughness changes on β -Titanium Orthodontic wires after corrosion in various artificial saliva solutions**
Kucukyildirim B. O., Akdogan Eker A.
Materialpruefung/Materials Testing, vol.55, no.5, pp.374-378, 2013 (SCI-Expanded)
- XXIX. **Fabrication and mechanical properties OF CNT/6063 Al composites prepared by vacuum assisted infiltration technique using CNT-Al preforms**
Küçükyıldırım B. O., Eker A.
Advanced Composites Letters, vol.21, no.5, pp.125-130, 2012 (SCI-Expanded)
- XXX. **Surface Roughness Changes and Corrosion on Nickel Titanium Orthodontic Wires Compared to Stainless Steel Wires in Various Artificial Salivas**
Küçükyıldırım B. O., Eker A. A.
MATERIALS TESTING, vol.54, pp.261-265, 2012 (SCI-Expanded)
- XXXI. **Analysis of microstructures and mechanical properties of particle reinforced AlSi7Mg2 matrix composite materials**
Şahin İ., Eker A.
Journal of Materials Engineering and Performance, vol.20, no.6, pp.1090-1096, 2011 (SCI-Expanded)
- XXXII. **The Lineer Relationship Between Compressive Strength and Ultrasonic Velocity in Castable Refractories**
AKDOĞAN EKER A.
Key Engineering Materials, vol.264, pp.1823-1826, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **TIPS FOR A SUCCESSFUL APPLICATION OF INNOVATION IN A BUSINESS**
EKER B., AKDOĞAN EKER A.
Association for Scientific Publishing and Research, vol.1, 2023 (Peer-Reviewed Journal)
- II. **QUALITY CRITERIA IN UNİVERSITIES**
EKER B., AKDOĞAN EKER A.

Journal of Innovations in Business and Industry, vol.1, no.2, pp.65-70, 2023 (Peer-Reviewed Journal)

- III. **YSZ Termal Bariyer Kaplamanın Elektroforetik Nano-YSZ Kaplama ile Korozyon Direncinin İyileştirilmesi**
AKDOĞAN EKER A., KARABAŞ M., AVCI A., Özçelik A.
IJANSER, vol.7, pp.371-382, 2023 (Peer-Reviewed Journal)
- IV. **Examination of Water Uptake Performance and Mechanical Properties of PLA/Flax Fiber Biocomposites With The Coupling Agent**
AVCI A., AKDOĞAN EKER A., BAKKAL M., BODUR M. S.
Synthesis and Sintering, vol.2, pp.55-61, 2022 (Peer-Reviewed Journal)
- V. **Material selection in hot shaping molds of titanium alloys**
Akdoğan Eker A., Avcı A., Aydoğan C. S., Aydın H., Erol E.
Procedia Manufacturing Open access, vol.50, no.1, pp.723-728, 2020 (Peer-Reviewed Journal)
- VI. **Evaluation of Dispersion Based Prediction Model Calculations by Using Experimental Compressive Strength Results of Carbon Nanotube Reinforced Aluminum Matrix Composites**
KÜÇÜKYILDIRIM B. O., Akdoğan Eker A.
Journal of Materials Science and Engineering, 2015 (Peer-Reviewed Journal)
- VII. **Savunma Sanayinde Kullanılan İleri Kompozit Malzemeler ve Uygulama Alanları**
ERYILDIZ E., AKDOĞAN EKER A.
International Journal Of Engineering Research and Developed, vol.7, no.4, 2015 (Peer-Reviewed Journal)
- VIII. **Evaluation of Dispersion Based Calculations Compared to the Experimental Compressive Strength Results of CNT 6063Al Composites**
Küçükyıldırım B. O., Akdoğan Eker A.
Journal of Materials Science and Engineering B, vol.4, pp.353-357, 2014 (Peer-Reviewed Journal)
- IX. **A Novel Technique for Carbon Nanotube Reinforced Metal Matrix Composite Fabrication**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Academic Journal of Science, vol.1, no.2, pp.171-181, 2014 (Peer-Reviewed Journal)
- X. **Effect of cold deformation to transformation temperatures of Ni-Ti shape memory alloys**
Yıldız C., Küçükyıldırım B. O., Akdoğan Eker A.
Archives of Materials Science and Engineering, vol.66, pp.37-44, 2014 (Scopus)
- XI. **Quality parameters in nanotechnologic applications**
Eker A., KÜÇÜKYILDIRIM B. O.
International Journal for Quality Research, vol.7, no.2, pp.265-270, 2013 (ESCI)
- XII. **Karbon Nanotüpler Sentezleme Yöntemleri ve Kullanım Alanları**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Mühendis ve Makina Dergisi, vol.53, no.630, pp.34-44, 2012 (Peer-Reviewed Journal)
- XIII. **Mechanical Behavior of Industrial Grade MWCNT and Glass Fiber Reinforced Polyester Hybrid Nanocomposites**
Küçükyıldırım B. O., Akdoğan Eker A.
International Journal of Arts and Sciences, vol.3, no.9, pp.252-257, 2010 (Peer-Reviewed Journal)
- XIV. **Usage of Carbon Nanotubes in Scanning Probe Microscopes as Probe**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A., EKER B.
International Journal of Arts and Sciences, vol.3, no.1, pp.18-26, 2009 (Peer-Reviewed Journal)
- XV. **Nano Malzemelere Uygulanan Muayeneler**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Makinatek, vol.124, pp.78-82, 2008 (Non Peer-Reviewed Journal)
- XVI. **Nanoteknoloji ve Nanorobotlar**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Makinatek, vol.112, pp.78-82, 2007 (Non Peer-Reviewed Journal)
- XVII. **Using of Composite in Wind Turbine Blades**
AKDOĞAN EKER A.
Journal of Applied Sciences, vol.6, no.14, pp.2917-2921, 2006 (Peer-Reviewed Journal)

- XVIII. **Nanomalzemeler ve Uygulamaları**
AKDOĞAN EKER A., KÜÇÜKYILDIRIM B. O.
Makinatek, vol.99, pp.114-117, 2006 (Non Peer-Reviewed Journal)
- XIX. **NiTi Şekil Hafızalı Alaşım Üretimi**
AKDOĞAN EKER A.
MakineTek, 2005 (Peer-Reviewed Journal)
- XX. **Tarım Makinelerinde Yeni Malzeme Arayışı**
AKDOĞAN EKER A.
Machinery Makine Tek., pp.102-106, 2005 (Peer-Reviewed Journal)
- XXI. **Akıllı Malzemeler**
AKDOĞAN EKER A.
Machinery Makine Tek., pp.60-64, 2004 (Peer-Reviewed Journal)
- XXII. **Makina İmalat İşletmelerinde 6 Sigma Yaklaşımı**
EKER B., AKDOĞAN EKER A.
MAKİNA-TEK Aylık İmalat ve Teknoloji Kültürü Dergisi, 2003 (Peer-Reviewed Journal)
- XXIII. **Şekil Hafızalı Alaşımlar**
AKDOĞAN EKER A.
Mühendis ve Makine, no.521, pp.35-45, 2003 (Peer-Reviewed Journal)
- XXIV. **Tarım Mühendisliğinde Plastik Matriksli Kompozit Malzemelerin Kullanımı**
AKDOĞAN EKER A.
Makine Tek, pp.54-57, 2003 (Peer-Reviewed Journal)
- XXV. **Şekil Hafızalı Alaşımlar ve Temel Özellikleri**
AKDOĞAN EKER A.
Makine Tek, no.64, pp.52-59, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Doğal Lif Takviyeler**
AVCI A., AKDOĞAN EKER A., BODUR M. S.
in: Mühendislik Bilimleri alanında Yeni Terendler, Birol KILIÇ, Gülden BAŞYİĞİT KILIÇ, Editor, DUVAR, Ankara, pp.47-61, 2022
- II. **Biyokompozitlerin Termal Özellikleri**
AVCI A., AKDOĞAN EKER A., BODUR M. S.
in: Mühendislik Bilimleri alanında Yeni Trendler, Birpl KILIÇ, Gülden BAŞYİĞİT KILIÇ, Editor, DUVAR Yayınları, Ankara, pp.721-742, 2022
- III. **3.5**
AVCI A., AKDOĞAN EKER A., EKER B.
in: Exergetic, Energetic and Environmental Dimensions Bölüm :MICROSTRUCTURE AND OXIDATION BEHAVIOR OF ATMOSPHERIC PLASMA SPRAYED THERMAL BARRIER COATINGS, Ibrahim Dincer C. Ozgur Colpan Onder Kizilkan, Editor, Elsevier, pp.793-814, 2018
- IV. **Microstructure and Oxidation Behavior of Atmospheric Plasma Sprayed Thermal Barrier Coatings**
Avcı A., Akdoğan Eker A., Eker B.
in: Exergetic, Energetic and Environmental Dimensions, Ibrahim DINCER, Can Ozgur Colpan, Onder Kizilkan, Editor, Elsevier Science, Oxford/Amsterdam , Oshawa, pp.793-814, 2018
- V. **General Assessment of Fiber-Reinforced Composites Selection in Wind Turbine Blades Ch.4**
AKDOĞAN EKER A.
in: Recent Advances in Composite Materials for Wind Turbine Blades, Dr. Brahim Attaf, Editor, The World Academic Publishing Co. Ltd., Hongkong, pp.61-77, 2013
- VI. **Chapter 4 General Assessment of Fiber-Reinforced Composites Selection in Wind Turbine Blades**
AKDOĞAN EKER A., EKER B.

in: Recent Advances in Composite Materials For Wind Turbine Blades, Dr.Brahim Attaf, Editor, The Word Academic Publishing Co.Ltd, pp.61-78, 2013

- VII. **Otomotiv Sanayiinde Kullanılan Degisik Kaplamaların Bazı Malzemeler Üzerindeki Etkileri**
AKDOĞAN EKER A.
Hasad Yayıncılık, İstanbul, 2000

Refereed Congress / Symposium Publications in Proceedings

- I. **An Experimental Study on the Thermal Properties of Boron/PLA Sustainable Biocomposites**
AVCI A., AKDOĞAN EKER A., BODUR M. S.
6th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE MATERIALS SCIENCE, Ağrı, Turkey, 11 - 13 October 2022, pp.203-208
- II. **The Effect of Ulexite Compound on The Mechanical Properties of the PLA Matrix**
AVCI A., AKDOĞAN EKER A., BODUR M. S.
6th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCE MATERIALS SCIENCE, Ağrı, Turkey, 11 - 13 October 2022, pp.209-213
- III. **EFFECT OF LASER SURFACE MODIFICATION ON HOT CORROSION BEHAVIOR OF CYSZ AND YSZ THERMAL BARRIER COATINGS**
AVCI A., KARABAŞ M., AKMAN E., AKDOĞAN EKER A., Aslan C.
6th INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, Turkey, 20 October 2021, pp.423-431
- IV. **INVESTIGATION OF WATER UPTAKE PERFORMANCE OF PLA/FLAX FIBER GREEN COMPOSITES WITH ALKALI TREATMENT**
AVCI A., AKDOĞAN EKER A., BODUR S.
6th INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, Turkey, 20 October 2021, pp.432-437
- V. **EFFECT OF WATER UPTAKE PERFORMANCE OF PLA/FLAX FIBER GREEN COMPOSITES ON THE IMPACT BEHAVIOUR**
AVCI A., AKDOĞAN EKER A., BODUR M. S.
International Conference on Nuclear Technology, Radiation Safety and Advanced Technological Researches (ICNRA2021), Turkey, 10 - 11 December 2021
- VI. **INVESTIGATION OF MECHANICAL AND THERMOS MECHANICAL BEHAVIOR OF FLAX FIBER-REINFORCED PLA BIO-COMPOSITES WITH A COUPLING AGENT AND INTERNAL LUBRICANT**
AVCI A., AKDOĞAN EKER A., BODUR M. S.
6th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Turkey, 17 - 18 December 2020, pp.531-540
- VII. **SELECTION CRITERIA OF MATERIALS USED IN 3D PRINTERS**
AKDOĞAN EKER A.
Quality Festival 2019, 20 May - 01 June 2019, pp.487-493
- VIII. **ZİRKONYA ESASLI TERMAL BARIYER KAPLAMALARIN OPTİMUM LAZER YÜZEY MODİFİKASYON PARAMETRELERİNİN BELİRLENMESİ**
AKDOĞAN EKER A., AVCI A., KARABAŞ M., Aslan C., AKMAN E.
4. ULUSLARARASIMÜHENDİSLİK, MİMARLIK VE TASARIM KONGRESİ, 23 - 24 April 2019, pp.304-312
- IX. **EFFECT OF THE EXTRUSION PARAMETERS ON THE MECHANICAL PROPERTIES OF NATURAL FIBER REINFORCED COMPOSITES**
BAYSAN A. A., AVCI A., BODUR S., AKDOĞAN EKER A., BAKKAL M.
4.LUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ 23 Nisan 2019, ss.530-539, 23 - 24 April 2019, pp.530-539
- X. **ALÜMİNYUM EKSTRÜZYON PROFİLLERDE SOĞUMA İZİ HATASININ OLUŞUM NEDENLERİ VE HATANIN ÇÖZÜMÜ ÜZERİNE YENİLİKÇİ YAKLAŞIMLAR**

AKDOĞAN EKER A., KÜÇÜKYILDIRIM B. O., DEMİR U.

4 INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, 23 - 24 April 2019, vol.1, pp.105-113

- XI. **ZİKKONYA ESASLI TERMAL BARİYER KAPLAMALARIN OPTİMUM LAZER YÜZEY MODİFİKASYON PARAMETRELERİNİN BELİRLENMESİ**
ASLAN C., AKDOĞAN EKER A., AKMAN E., AVCI A., Karabaş M.
4.LUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 23 April 2019, pp.304-312
- XII. **DETERMINATION OF THE VISCOSITY CHARACTERISTICS OF WATER BASED SiO₂-GRAPHITE HYBRID NANOFLUIDS**
Dalkılıç A. S., Açıkgöz Ö., Küçükyıldırım B. O., Akdoğan Eker A.
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21 DECEMBER 2018, İstanbul, Turkey, 19 - 21 December 2018, vol.1, pp.1844-1855
- XIII. **THE IMPACT OF THE USE OF INDUSTRIAL ROBOTS ON EFFICIENCY INCREASE**
EKER B., AKDOĞAN EKER A.
3rd International Conference on Quality of Life, 28 - 30 November 2018, pp.35-38
- XIV. **CHARACTERIZATION OF A NOVEL NEUTRON SHIELDING MATERIAL CONSISTS OF POLYESTER AND BORON CARBIDE**
Tuna T., Akdoğan Eker A., Kam E.
Sixth Bozok Science Workshop: Studies from Nuclei to Nanomaterials with Applications Seventh Bozok Science Workshop: Boron and Boron Containing Nanomaterials with Applications, Yozgat, Turkey, 8 - 11 August 2018, vol.14, no.2, pp.26-27
- XV. **HAFİF TİCARİ ARAÇLARDA ARKA İÇ GÖVDE YAN PANEL MALZEMESİNİN İYİLEŞTİRİLMESİ .**
Tetik A., AKDOĞAN EKER A.
3.Uluslararası Mühendislik Mimarlık ve Tasarım Dergisi, 4 - 05 May 2018
- XVI. **ATMOSFERİK PLAZMA SPREY YÖNTEMİ İLE ÜRETİLEN FARKLI SERAMİK KAPLAMALARIN KURU AŞINMA DAVRANIŞININ İNCELENMESİ**
AVCI A., AKDOĞAN EKER A., karabaş m., Bal E.
3.Uluslararası Mühendislik Mimarlık ve Tasarım Dergisi, 4 - 05 May 2018
- XVII. **GIDA AMBALAJ SEKTÖRÜNDE İNCE CİDARLI PARÇALARIN ÜRETİMİ İÇİN YENİ NESİL ENJEKSİYON MAKİNELERİNİN KULLANIMI**
Sönmez D., AKDOĞAN EKER A.
3.Uluslararası Mühendislik Mimarlık Dergisi, 4 - 05 May 2018
- XVIII. **1.2MW RÜZGAR TÜRBİNİ KANADININ AERODİNAMİK OPTİMİZASYONU**
Gedik O., Akdoğan Eker A., Demir C.
3. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Kocaeli, Turkey, 4 - 05 May 2018, pp.71-72
- XIX. **İŞ GÜVENLİĞİ VE ÇALIŞAN SAĞLIĞINDA KORUYUCU DONANIMLARIN SEÇİMİNDE MALZEME BİLİMİNİN ÖNEMİ**
AKDOĞAN EKER A.
3.ULUSLARARASI İŞ GÜVENLİĞİ VE ÇALIŞAN SAĞLIĞI KONGRESİ, İstanbul, Turkey, 16 - 17 April 2018, pp.6
- XX. **Mühendislikte Malzeme Çalışmalarının Teknolojik Kalkınma Üzerinde Etkileri**
AKDOĞAN EKER A.
4TH INTERNATIONAL REGIONAL DEVELOPMENT CONFERENCE PROCEEDING BOOK, 21 - 23 September 2017, pp.1211
- XXI. **Improvement on Rear Interior Panel Material For Ford Commercial Vehicles**
Tetik A., AKDOĞAN EKER A.
ICAME 2017, 19 - 21 December 2017, pp.451-463
- XXII. **Isothermal Oxidation Behavior of Atmospheric Plasma Sprayed Thermal Barrier Coatings At 1050 °C**
AKDOĞAN EKER A., AVCI A., AKILOTU A.
INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE 2017, İstanbul, Turkey, 26 October 2017, pp.129-131
- XXIII. **Thermal Shock Behaviour of Atmospheric Plasma Spray Thermal Barrier Coatings**

- AVCI A., AKDOĞAN EKER A., YAŞAR A.
INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE 2017, İstanbul, Turkey, 26
October 2017, pp.125-129
- XXIV. **Changes In The Concept Of Quality In The Industry**
EKER B., AKDOĞAN EKER A.
University of East Sarajevo Faculty of Mechanical Engineering QUALITY FEST October 26th-28th, 2017. Jahorina, RS,
BH, JAHORINA, Bosnia And Herzegovina, 26 - 28 October 2017, pp.175-180
- XXV. **Thermal Shock Behaviour of Atmospheric Plasma Spray Thermal Barrier**
AVCI A., AKDOĞAN EKER A., Yaşar A.
INTERNATIONAL MATERIALS TECHNOLOGIES AND METALLURGY CONFERENCE 2017, 26 - 27 October 2017
- XXVI. **Wear behaviour of NiTi Shape Memory Alloys**
AVCI A., AKDOĞAN EKER A.
9th International CONFERENCE ON TRIBOLOGY, Nevşehir, Turkey, 13 September 2017, pp.26
- XXVII. **Lubrication Characteristics of Oils with Industrial Type Carbon Nanotube Additives**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A., Demirkol M.
Lubrication Characteristics of Oils with Industrial Type Carbon Nanotube Additives, 13 - 15 September 2017,
pp.634-639
- XXVIII. **Lubrication Characteristics of Oils with Industrial Type Carbon Nanotube Additives**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A., DEMİRKOL M.
9th International Conference on Tribology (Balkan Trib'17), 13 September 2017
- XXIX. **Biyosistem Uygulamalarında Triz Tekniğinin Kullanıma Olanakları**
EKER B., AKDOĞAN EKER A.
2. Ulusal Biyosistem Mühendisliği Kongresi, Tokat, Turkey, 29 June - 01 July 2017, pp.65
- XXX. **APPLICATION OF TRIZ METHOD IN LIFE QUALITY**
EKER B., AKDOĞAN EKER A., ALDAĞ C.
2nd International conference on Quality of Life, Kragujevac, Serbia, 8 - 10 June 2017, pp.129-132
- XXXI. **RAYLI SİSTEMLERDE KULLANILAN MAKAS ISITICILARINDA HASAR ANALİZİ VE KOROZYON TESTİ**
AVCI A., AKDOĞAN EKER A.
2. INTERNATIONAL CONGRESS ON ENGINEERING ARCHITECTURE AND DESIGN, Kocaeli, Turkey, 12 May 2017,
pp.809-810
- XXXII. **3 Boyutlu Yazıcı için Nanokompozit Reçine Üretilmesi**
AKPINAR A., AKDOĞAN EKER A., KÜÇÜKYILDIRIM B. O.
V. Ulusal Nanoteknoloji Kongresi, İstanbul, Turkey, 9 - 10 March 2017, pp.64-70
- XXXIII. **WEAR BEHAVIOR OF CONVENTIONAL AND PVD COATINGS AS OBTURATING RING COATING MATERIALS**
ISIK M. S., KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, pp.1867-1874
- XXXIV. **Plazma Sprey yöntemi ile Üretilen YSZ Al2O3 Kompozit Termal Bariyer Kaplamaların Sıcaklık Korozyon davranışının İncelenmesi**
AVCI A., AKDOĞAN EKER A.
16th International Material symposium, 12 - 14 October 2016, pp.1305-1312
- XXXV. **EFFECTS OF LASER POWER AND WELDING SPEED ON THE REMOTE FIBER LASER WELDING OF THIN STEEL SHEETS USED IN THE AUTOMOTIVE INDUSTRY**
KOCATURK B., AKDOĞAN EKER A., MERT T., KÜÇÜKYILDIRIM B. O., KARAASLAN A.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 - 14 October 2016, pp.1239-1246
- XXXVI. **MICROSTRUCTURAL AND OXIDATION BEHAVIOR OF ATMOSPHERIC PLASMA SPRAYED THERMAL BARRIER COATINGS**
AVCI A., AKDOĞAN EKER A.
Second International Conference on Energy Systems (CES-2016), İstanbul, Turkey, 21 December 2016, pp.131-135
- XXXVII. **HARDNESS AND FRACTURE TOUGHNESS OF ATMOSPHERIC PLASMA SPRAYED YTTRIA STABILIZED ZIRCONIA THERMAL BARRIER COATINGS**

- AVCI A., AKDOĞAN EKER A.
International Journal of Arts & Sciences. FREIBURG, Freiburg, Germany, 02 December 2016, pp.1
- XXXVIII. **HARDNESS AND FRACTURE TOUGHNESS OF ATMOSPHERIC PLASMA SPRAYED YTTRIA STABILIZED ZIRCONIA THERMAL BARRIER COATINGS**
AVCI A., AKDOĞAN EKER A.
International Journal of Arts&Sciences FREIBURG CONFERENCE, Freiburg, Germany, 28 November - 02 December 2016
- XXXIX. **Plazma Sprey Yöntemi ile Üretilen YSZ Al₂O₃ Kompozit Termal Bariyer Kaplamaların Sıcaklık Korozyon Davranışının İncelenmesi Hot Corrosion Behavior Of Ysz-Al₂o₃ Composite Thermal Barrier Coatings Produced By Plasma Sprayed**
AVCI A., AKDOĞAN EKER A.
16th International Materials Symposium IMSP'2016, Denizli, Turkey, 12 October 2016, pp.1305-13012
- XL. **Otomotiv Sektöründe Kullanılan Sacların Uzaktan Fiber Lazer Kaynağı İle Birleştirilmesinde Kaynak Gücü ve Hızının Nüfuziyete Etkisi**
Kocaturk B., Akdoğan Eker A., Mert T., Küçükıldırım B. O., Karaaslan A.
16. Uluslararası Malzeme Sempozyumu (IMSP 2016), Denizli, Turkey, 12 October 2016, pp.1239-1246
- XLI. **Effect of carbon nanotube type on the growth of Lima Bean (Phaseolus lunatus) seeds in watering**
AVCI A., KÜÇÜKYILDIRIM B., AKDOĞAN EKER A.
SIXTH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING, Ruse, Bulgaria, 25 November 2015, pp.321-325
- XLII. **Effect of carbon nanotube type on the growth of Lima Bean Phaseolus lunatus seeds in watering**
AVCI A., KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Sixth International Conference, Energy Efficiency and Agricultural Engineering, Ruse, Bulgaria, Ruse, Bulgaria, 11 - 12 November 2015, pp.321-325
- XLIII. **Effect of carbon nanotube concentration on the growth of Lima Bean Phaseolus lunatus seeds in watering**
YILDIZ C., KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Sixth International Conference, Energy Efficiency and Agricultural Engineering, Ruse, Bulgaria, Ruse, Bulgaria, 11 - 12 November 2015, pp.314-320
- XLIV. **Effect of Carbon Nanotube Consantration On the Growth of Lima Bean Phaseolus Lunatus Seed in Watering**
YILDIZ C., KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
EE&AE'2015 VIth International Conference, Ruse, Bulgaria, 11 - 12 November 2015, pp.314-320
- XLV. **Effect of Carbon Nanotube Type On The Growth Of Lima Bean Phaseolus Lunatuz Seeds İn Watering**
AVCI A., KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
EE&AE'2015 VIth International Scientific Conference, Ruse, Bulgaria, 11 - 12 November 2015, pp.321-325
- XLVI. **Time dependent effect of carbon nanotube on the growth of Lima Bean Phaseolus lunatus seeds in watering**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A., YILDIZ C., AVCI A.
IJAS International Conference for Technology and Science, Rome, Roma, Italy, 19 - 22 October 2015
- XLVII. **Clustering Techniques for Material Selections**
AKDOĞAN EKER A., EKER B.
9th International Quality Conference, Kragujevac, Serbia, 05 June 2015, pp.77-80
- XLVIII. **Effect of Cold Deformation to Transformation Temperatures of Ni Ti Shape Memory Alloys**
YILDIZ C., KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
IMSP'2014 - 15th International Materials Symposium, Denizli, Turkey, 15 - 17 October 2014, pp.504-511
- XLIX. **A Dispersion Based Prediction Model Study Of Aluminum Particle Added Carbon Nanotube Preform Usage In Aluminum Matrix Composites**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
The International Conference for Academic Disciplines, Spain, 16 - 19 June 2014
- L. **TRIBOLOGICAL PERFORMANCE OF YSZ AND Al₂O₃ COMPOSITE COATINGS DEPOSITED BY AIR**

PLASMA SPRAY PROCESS

AVCI A., AKDOĞAN EKER A.

8th International Quality Conference. Universty of Kragujevac, Serbia, Kragujevac, Serbia And Montenegro, 23 May 2014, pp.735-740

- LI. **Quality Assesment of CNT Reinforced Metal Matrix Composites Fabricated by Infiltration Casting Method**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
8th International Quality Conference, Center for Quality, Kragujevac, Serbia And Montenegro, 23 May 2014, pp.647-654
- LII. **Matlab Based Applications For Image Processing and Image Quality Assessment**
EKER B., AKDOĞAN EKER A.
7th International Quality Conference, Kragujevac, Serbia, 24 May 2013, pp.73-77
- LIII. **Opportunities to Use İmage Processing Technology in Quality Based Practices**
EKER B., AKDOĞAN EKER A.
7 th İnternational Quality Conference, Kragujevac, Serbia, 24 May 2013, pp.67-72
- LIV. **Quality Assesment of Carbon Nanotubes Choosing Characterization Method**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
7th International Quality Conference, Center for Quality, Kragujevac, Serbia And Montenegro, 20 May 2013, pp.289-294
- LV. **QUALITY ASSESSMENT OF CARBON NANOTUBES: CHOOSING CHARACTERIZATION METHOD**
KÜÇÜKYILDIRIM B. O., Akdoğan Eker A.
7th International Quality Conference, Center for Quality, Faculty of Engineering, University of Kragujevac, 01 May 2013, pp.159-164
- LVI. **Microstructural Investigation and Hardness Enhancement Study of CNT Al Composites by T832 Heat Treatment**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
IMSP'2012 - 14th International Materials Symposium, Denizli, Turkey, 10 - 12 October 2012, pp.779-784
- LVII. **Nanotüp Sentezleme Yöntemleri**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Geleceğin Teknolojileri Sempozyumu ve Sergisi, İstanbul, Turkey, 20 - 21 October 2011, pp.41-51
- LVIII. **Quality Parameters in Nanotechnologic Applications**
AKDOĞAN EKER A., KÜÇÜKYILDIRIM B. O.
5th International Quality Conference, Center for Quality, Kragujevac, Serbia And Montenegro, 20 May 2011, pp.289-294
- LIX. **Developing Packaging By Using Smart Material Which Helps to Realize Spoilage In Yoghurt**
Eker B., Eker A.
8th International Conference on Composite Science and Technology, Kuala-Lumpur, Malaysia, 22 - 24 March 2011, pp.185-186
- LX. **Karbon Nanotüp Takviyeli Poliester Matrisli Kompozit Malzeme Üretimi ve Mekanik Özelliklerinin İncelenmesi**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
IMSP'2010 - 13th International Materials Symposium, Denizli, Turkey, 13 - 15 October 2010, pp.779-784
- LXI. **SEM Surface Characterization of Beta Titanium Orthodontic Wires After Corrosion in Various Artificial Salivas**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
Conference of the International Journal of Arts & Sciences, Austria, 1 - 04 July 2009
- LXII. **Stress Strain Characteristics of Glass Fiber Reinforced Plastic As Wind Turbine Blade Materials**
UYSAL A., Akdogan Eker A., Bulent E.
Conference of The International Journal of Arts & Sciences, 1 - 04 June 2009, vol.1, no.18, pp.72-88
- LXIII. **Teknoloji Geliştirmede Sanayinin Beklentileri, Yaşadığı Sorunlar ve Çözüm Önerileri**
AKDOĞAN EKER A.

Üniversite Sanayi İşbirliği Kongresi Eskişehir, 01 May 2009

- LXIV. **Implementation of Greenhouse Ventilation Systems Using Shape Memory Alloys**
AKDOĞAN EKER A.
2 th International Meeting On Materials for Electronic Applications, 01 May 2009
- LXV. **Using of Smart Material for Solar Energy Systems**
AKDOĞAN EKER A.
1 st International joint conference on Materials science, Nanotechnology and Biotechnology, 01 January 2009
- LXVI. **Stress Strain Characters Of Fiber Reinforced Plastics As Wind Turbine Blade Materials**
AKDOĞAN EKER A.
Proceedings of the International Journal of Arts & Sciences Conference, 01 December 2008
- LXVII. **Studying the Effects of Boronizing Process on the Characteristics of Materials at Tractor Plough**
AKDOĞAN EKER A.
ICAT 2. International Conference on Advanced Tribology, 01 December 2008
- LXVIII. **SEM Surface Characterization of Nickel Titanium Orthodontic Wires After Corrosion in Various Artificial Salivas**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
SEM Surface Characterization of Nickel Titanium Orthodontic Wires After Corrosion in Various Artificial Salivas, Germany, 1 - 04 December 2008
- LXIX. **Materials Used at Rapid Prototype Manufacturing Technology**
AKDOĞAN EKER A.
International Scientific Conference UNITECH, 01 November 2008
- LXX. **Rüzgar Türbini Kanat Malzemesi Olarak Kullanılan Cam Takviyeli Kompozit Malzemelerde Balsa Takviyesinin Gerilme Gerinme Karakteristiklerine Etkisi**
UYSAL A., Akdogan Eker A., Eker B.
12. Uluslararası Malzeme Sempozyumu, 15 - 17 October 2008, vol.2, pp.1061-1067
- LXXI. **Kobalt Krom Nikel Ortodontik Tellerin Farklı Yapay Tükürük Çözeltilerinde Korozyon Davranışlarının İncelenmesi**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
12. Uluslararası Malzeme Sempozyumu, Denizli, Turkey, 15 - 17 October 2008, pp.736-743
- LXXII. **Designing Critarias of Composite Materials**
AKDOĞAN EKER A.
Scientific Session with International Participation Engineering, Technology and Education, 01 July 2008
- LXXIII. **Güneş Enerjisi İle Çalışan Sistemlerde Akıllı Malzemelerin Kullanım Olanakları**
AKDOĞAN EKER A.
II Ulusal Güneş ve Hidrojen Enerjisi Kongresi, Eskişehir, 01 June 2008
- LXXIV. **Mikro Casus Araçlar İçin Nano Mikro Makine Tasarımlarında Gelişmeler**
KÜÇÜKYILDIRIM B. O., AKDOĞAN EKER A.
HaSeM'08 Kayseri VII. Havacılık Sempozyumu, Kayseri, Turkey, 15 - 16 May 2008, pp.27-30
- LXXV. **Tarım Makineleri İmalatında Kalitenin Marka Oluşumunda Etkisi**
AKDOĞAN EKER A.
MARKATEK 2007, 01 May 2007
- LXXVI. **Corrosion Behavior on The Types of Welds**
AKDOĞAN EKER A.
5th International Metallurgical & Material Conference, 01 May 2006
- LXXVII. **Tarımsal Mücadele Uçaklarında İlaç Boşaltım Sırasında Uçağa Etki Eden Kuvvetlerin Analizi**
AKDOĞAN EKER A.
VI. Havacılık Sempozyumu, Nevşehir, 01 May 2006
- LXXVIII. **SiC Partikül Takviyeli AlSi7Mg2 Matriksli Kompozit Malzemelerin Talaşlı Şekillendirilmesinde Takım Aşınması ve Talaş Oluşumunun İncelenmesi**
ŞAHİN İ., AKDOĞAN EKER A.
11th International Materials Symposium, Denizli, Turkey, 19 - 21 April 2006, pp.169-173

- LXXXIX. **Plazma Ortamında İyon Aşılannış 304 ve 316L Paslanmaz Çeliklerin Korozyon Davranışlarının İncelenmesi**
AKDOĞAN EKER A.
11th International Materials Symposium, 01 April 2006
- LXXX. **NiTi Şekil Hafızalı Alaşımında Termo-Mekanik İşlemlerin Dönüşüm Davranışlarına Etkileri**
AKDOĞAN EKER A.
11th International Materials Symposium, 01 April 2006
- LXXXI. **Elektrogitar Tellerinin Çalım Süresine Bağlı Olarak Aşınma ve Korozyon Davranışlarının İncelenmesi**
AKDOĞAN EKER A.
11th International Materials Symposium, 01 April 2006
- LXXXII. **Protection methods of corrosion on solar systems**
EKER B., AKDOĞAN EKER A.
III. Yenilenebilir Enerji Kaynakları Sempozyumu ve Sergisi, Turkey, 19 - 21 October 2005
- LXXXIII. **Amount of Success of TQM in Agricultural Machinery Manufacturing Industry**
AKDOĞAN EKER A.
Energy Efficiency and Agricultural Engineering, 01 June 2004
- LXXXIV. **Tarımsal Savaşta Kullanılan Uçaklarda Korozyon**
AKDOĞAN EKER A.
5.Havacılık Sempozyumu Kayseri, 01 May 2004
- LXXXV. **Betonarme Yapılarda Korozyon**
AKDOĞAN EKER A.
I.Ulusal Metalürji ve Malzeme Günleri, 01 May 2004
- LXXXVI. **CHOOSING SUITABLE MATERIAL FOR WIND TURBINE CONSTRUCTION**
EKER B., AKDOĞAN EKER A., VARDAR A.
AGRICULTURAL ENGINEERING SEMPOSIUM, Leuven, Belgium, 04 April 2004
- LXXXVII. **Kaynak Alanlarında Korozyonun İncelenmesi**
AKDOĞAN EKER A.
10.Denizli Malzeme Sempozyumu ve Sergisi, 01 April 2004
- LXXXVIII. **Tarım Makineleri İmalatında Toplam Kalite Yönetimi Uygulamalarının Ölçülmesi**
AKDOĞAN EKER A.
Tarımsal Mekanizasyon 21. Ulusal Kongresi, 01 September 2003
- LXXXIX. **Use of Composite Materials for Blades in Wind Turbine**
AKDOĞAN EKER A.
10th International Conference on Composites/Nano Engineering, 01 July 2003
- XC. **Silisyum Karbür Takviyeli Al Si Kompozit Malzemelerin Bazı Özelliklerinin İncelenmesi**
ŞAHİN İ., AKDOĞAN EKER A.
4.Mühendislik ve Mimarlık Sempozyumu, Balıkesir, Turkey, 11 - 13 September 2002, pp.85-94
- XCI. **Silisyum Karbür Takviyeli Al-Si Kompozit Malzemelerin Bazı Özelliklerinin İncelenmesi**
AKDOĞAN EKER A.
4. Mühendislik ve Mimarlık Sempozyumu, 01 September 2002
- XCII. **Sıkıştırma Döküm Yöntemiyle Üretilen SiCr Takviyeli Kompozit Malzemelerin Mikroyapılarının İncelenmesi**
AKDOĞAN EKER A.
2. Uluslararası Metalürji ve Malzeme Kongresi ve Fuarı, 01 June 2002
- XCIII. **Kimyasal Maddelerle Temaslı Metal Yüzeylerde Korozyonun İncelenmesi**
AKDOĞAN EKER A.
9. Denizli Malzeme Sempozyumu, 01 May 2002
- XCIV. **Tarım Makineleri İmalatında Kullanılan Malzemelerde Korozyona Karşı Kullanılan Kaplama Yöntemlerinin Araştırılması**
AKDOĞAN EKER A.
9. Denizli Malzeme Sempozyumu, 01 May 2002

- XCV. **Makine İmalatında Kalite Yönetim Sistemlerinin Geliştirilmesi**
AKDOĞAN EKER A.
MAMTEK-Makine Malzemesi ve İmalat Teknolojisi Sempozyumu, 01 November 2001
- XCVI. **Sıkıştırma Döküm Yöntemiyle SiCr Takviyeli Metal Matriksli Kompozit Malzemelerin Mekanik Özelliklerinin incelenmesi**
AKDOĞAN EKER A.
MAMTEK-Makine Malzemesi ve İmalat Teknolojisi Sempozyumu, 01 November 2001
- XCVII. **Korozyon Etkisinin Giderilmesinde Boya ile Kaplama Yönteminin İncelenmesi Üzerine Bir Araştırma**
AKDOĞAN EKER A.
VII. Uluslararası Korozyon Sempozyumu, 01 October 2001
- XCVIII. **The Effect of Corrosion and Prevention Methods on Agriculturing Machinery Proceedings**
AKDOĞAN EKER A.
19. Ciosta Cıgr V Congress, 01 June 2001

Expert Reports

- I. **Tramvay hattında kullanılan ısıtıcı rezistanslarının muhafazalarında meydana gelen korozyonunu nedeni ve yapılan yerli ısıtıcıların korozyon dayanımının incelenmesi**
AVCI A., AKDOĞAN EKER A.
İSTANBUL ULAŞIM aş, pp.16, İstanbul, 2016

Supported Projects

- AKDOĞAN EKER A., KARABAS M., AVCI A., Özçelik A., Project Supported by Higher Education Institutions, YSZ Termal Bariyer Kaplamaların Camsı Eriyik Korozyon Davranışlarının Elektroforetik Biriktirme Yöntemi ile İyileştirilmesi, 2023 - Continues
- AKDOĞAN EKER A., KESKİN A. Ö., NURVEREN K., AVCI A., Project Supported by Higher Education Institutions, İnce Film NiTi Kaplamalı Sıcaklık Sensörü Prototip İmalatı, 2023 - Continues
- AKDOĞAN EKER A., DOĞU M., İŞGÜZAR T., Project Supported by Higher Education Institutions, İleri Termoplastik Kompozit Malzeme Üretim Atıklarının Geri Kazanımının Malzeme ve Proses Optimizasyonu, 2022 - Continues
- Akdoğan Eker A., Küçükıldırım B. O., Eker B., Sağbaş B., Yazıcı M., Doğu M., TUBITAK Project, Havacılık Ve Otomotiv Endüstrisinde İleri Termoplastik Kompozit Malzeme Üretim Atıklarının Geri Kazanım Teknolojilerinin Geliştirilmesi, 2023 - 2026
- Oğlakçı B., Özduman Z. C., Dalkılıç E., Yüksel Mayda P., Koçyiğit A., Yenigün V. B., Demirkol M., Akdoğan Eker A., Küçükıldırım B. O., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Titanyum dioksit nanotüp takviyeli geleneksel cam iyonomer simanların mekanik ve yüzey özelliklerinin, antibakteriyel etkinliğinin vebiyouyumluluklarının değerlendirilmesi, 2022 - 2024
- Akdoğan Eker A., Avcı A., Bodur M. S., Aygül E., Project Supported by Higher Education Institutions, Muz Lifi Takviyeli Biyokompozitin su tutma ve yanma dayanımının geliştirilmesi, 2022 - 2023
- Küçükıldırım B. O., Demirkol M., Akdoğan Eker A., Project Supported by Higher Education Institutions, DLP tipi 3-boyutlu yazıcı ile titanyum dioksit nanotüp takviyeli polimer matrisli antimikrobiyal nanokompozitlerin geliştirilmesi, 2022 - 2023
- AKDOĞAN EKER A., AVCI A., Project Supported by Higher Education Institutions, Otomotiv Sektöründe Kullanılmak Üzere Çevre Dostu Yeni Nesil Doğal Lif Takviyeli Kompozit Malzemelerin Geliştirilmesi, 2018 - 2022
- AKDOĞAN EKER A., AVCI A., AKMAN E., KARABAŞ M., Project Supported by Higher Education Institutions, PLASMA SPREY TERMAL BARİYER KAPLAMALARIN LAZER YÜZEY MODİFİKASYONU SONUCU MİKRO YAPISAL VE TERMAL ŞOK PERFORMANSININ İNCELENMESİ, 2017 - 2019
- TEMİR G., DALKILIÇ A. S., KARAKOYUN Y., AKDOĞAN EKER A., AÇIKGÖZ Ö., KÜÇÜKYILDIRIM B. O., Project Supported by Higher Education Institutions, Nano akışkanlarla radyant dōşemeden ısıtmanın konveksiyon ve radyasyon açısından

incelenmesi, 2015 - 2018

AKDOĞAN EKER A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Bilimsel Araştırma ve Eğitimde Mobil Laboratuvar ile İleri Karakterizasyon, 2015 - 2017

KÜÇÜKYILDIRIM B. O., KARAASLAN A., MERT T., AKDOĞAN EKER A., Industrial Thesis Project, Binek araç Koltuk Karkasının Yüksek Güçlü Fiber Lazer Kaynak Yöntemi İle Birleştirilmesi, 2015 - 2017

AĞRA Ö., AVCI A., AKDOĞAN EKER A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Endüstriyel Otomasyon Eğitim, İnovasyon ve Teknoloji Geliştirme Merkezi, 2012 - 2013

AKDOĞAN EKER A., Industrial Thesis Project, IMAGE PROSES EĞİTİM SETİNİN GELİŞTİRİLMESİ, 2011 - 2012

AKDOĞAN EKER A., Project Supported by Higher Education Institutions, Kesici takımların fonksiyonel derecelendirilmiş TiCN ve TiBCN ile kaplanması karakterizasyonu., 2008 - 2012

AKDOĞAN EKER A., Project Supported by Higher Education Institutions, Karbon nano tüp takviyeli alüminyum matrisli kompozit malzeme üretimi., 2008 - 2012

AKDOĞAN EKER A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, NiTi ŞEKİL HAFIZALI ALAŞIM ÜRETİMİ ve ŞEKİL HAFIZA ETKİSİNİN ARAŞTIRILMASI, 2005 - 2008

AKDOĞAN EKER A., Other International Funding Programs, NiTi ŞEKİL HAFIZALI ALAŞIMLARDA MEKANİK ÖZELLİKLER ile TERMOELASTİK DÖNÜŞÜMLER ARASINDAKİ İLİŞKİLERİN İNCELENMESİ ve ŞEKİL HAFIZA ETKİSİNİN OPTİMİZASYONU, 2004 - 2007

AKDOĞAN EKER A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, ALÜMİNYUM ALAŞIMLARINDAN UÇAK PARÇALARININ DÖKÜMÜ İÇİN VAKUM DOLDURMALI DÖKÜM VE ERGİTME YÖNTEMİNİN GELİŞTİRİLMESİ, 1997 - 2002

Patent

AKDOĞAN EKER A., HAVYANSAL JELATİN TAKVİYELİ BİR GIDA PEDİ, Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2017

AKDOĞAN EKER A., BİO ÇÖZÜNEBİLİR YASSI DAMLA SULAMA BORUSU, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, Standard Registration, 2015

AKDOĞAN EKER A., KÜÇÜKYILDIRIM B. O., Koruyucu gaz altında indüksiyonla ergitme yapılan pota içine direkt gaz tatbik edilebilen döküm cihazı ve sökülebilir aparatı, Utility Model, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, Standard Registration, 2014

AKDOĞAN EKER A., Havalandırma camı için şekil hafızalı yay takviyeli bir piston, Utility Model, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, Standard Registration, 2010

Scientific Refereeing

GAZİ ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, July 2017

JOURNAL OF INDUSTRIAL TEXTILES, SCI Journal, July 2017

JOURNAL OF COMPOSITE MATERIALS, SCI Journal, May 2017

Scientific Research / Working Group Memberships

Advanced Materials Research Group, Yıldız Technical University, Türkiye, <http://amrg.yildiz.edu.tr>, 2014 - Continues

Metrics

Publication: 184

Citation (WoS): 252

Citation (Scopus): 413

H-Index (WoS): 7

H-Index (Scopus): 9

Congress and Symposium Activities

Balkan TRib'17 Tribology 9'th International Conference on Tribology, Session Moderator, Nevşehir, Turkey, 2017

Balkan'17 Tribology, Attendee, Nevşehir, Turkey, 2017

3.Uluslararası Mühendislik Mimarlık ve Tasarım Kongresi, Moderator, Kocaeli, Turkey, 2017

3.Uluslararası Mühendislik ve Tasarım Kongresi, Attendee, Kocaeli, Turkey, 2017

Non Academic Experience

Yıldız Teknik Üniversitesi