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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABI-1365-2020

ScopusID: 53983650700

Yoksis Researcher ID: 174963

Education Information

Doctorate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Metalurji Ve Malzeme Mühendisliği / Malzeme, Turkey 2008 - 2013

Postgraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Metalurji Ve Malzeme Mühendisliği / Malzeme, Turkey 2005 - 2008

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Metalurji Ve Malzeme Mühendisliği, Turkey 2002 - 2005

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Elyaf Takviyeli, Termoplastik Matrisli Kompozit Malzeme Üretilimi ve Karakterizasyonu, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Metalurji Ve Malzeme Mühendisliği / Malzeme, 2013

Postgraduate, Titan Beyazı Emayelerin Kimyasal Dayanımının Arttırılması, Yıldız Teknik Üniversitesi, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Metalurji Ve Malzeme Mühendisliği / Malzeme, 2008

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Composites, Biomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2007 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Poly(glycidyl methacrylate) modified cellulose nanocrystals and their PBAT-based nanocomposites**
Arslan Ö. F., Güntürkün D., Göksu Y. A., Altınbay A., Özer H. Ö., Nofar M.
International Journal of Biological Macromolecules, vol.253, 2023 (SCI-Expanded)
- II. **Effects of copper fillers on mechanical and electrical properties of selective laser sintered PA 12-Cu composites**
Ozbay B., BEKEM A., Serhatlı İ. E., ÖZTÜRK S., Bulduk M. E.
MATERIALS TECHNOLOGY, vol.37, no.10, pp.1541-1553, 2022 (SCI-Expanded)
- III. **Effect of dendritic copper powder addition to polyamide 12 in selective laser sintering**
Bekem A., Ozbay B., Bulduk M. E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.1, pp.421-431, 2021 (SCI-Expanded)
- IV. **Effect of fillers on vinylester matrix composites**
Topalomer N., Bekem A., Keleşoğlu E., Ünal A.
MATERIALS TESTING, vol.61, pp.681-684, 2019 (SCI-Expanded)
- V. **Mechanical properties of PE/E-glass commingled yarn wound pipes and pipe elbows**
BEKEM A., ÜNAL A.
MATERIALS TESTING, vol.60, no.4, pp.373-377, 2018 (SCI-Expanded)
- VI. **The Effects of Local and Systemic Administration of Proline on Wound Healing in Rats**
Aydın H., Tatar C., Savas O. A., Karsıdağ T., Ozer B., Dursun N., BEKEM A., ÜNAL A., Tuzun I. S.
JOURNAL OF INVESTIGATIVE SURGERY, vol.0, pp.1-7, 2018 (SCI-Expanded)
- VII. **The effects of platelet-rich plasma on wound healing in rats**
Tatar C., Aydin H., Karşıdağ T., Arıkan S., Kabukcuoğlu F., Doğan O., BEKEM A., ÜNAL A., Tüzün I. S.
INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL MEDICINE, vol.10, no.5, pp.7698-7706, 2017 (SCI-Expanded)
- VIII. **Tensile properties of continuous E-glass and basalt fiber reinforced polypropylene composites**
Bekem A., Doğu M., Ünal A.
MATERIALS TESTING, vol.59, pp.11-15, 2017 (SCI-Expanded)
- IX. **Investigation of joints between polypropylene and polybutylene terephthalate**
Bekem A., Ünal A.
MATERIALS TESTING, vol.57, pp.458-461, 2015 (SCI-Expanded)
- X. **Biomechanical strength of glass ionomer cement in incudostapedial rebridging**
Server E. A., Alkan Z., Yiğit Ö., Açıoğlu E., BEKEM A., ÜNAL A., Akkin S. M.
JOURNAL OF LARYNGOLOGY AND OTOLOGY, vol.129, no.2, pp.148-154, 2015 (SCI-Expanded)
- XI. **Importance of nasal septal cartilage perichondrium for septum strength mechanics: a cadaveric study**
Tekke N. S., Alkan Z., Yiğit O., BEKEM A., ÜNAL A., Şahin F., Balıkçı H. H., Açıoğlu E., Durna Y. M.
RHINOLOGY, vol.52, no.2, pp.167-171, 2014 (SCI-Expanded)
- XII. **Aramid-HDPE Composites: Influence of Interface Adhesion Measured by T-peel Test on Tensile Properties**
BEKEM A., DOĞU M., Gemici Z., ÜNAL A., GÜLER M. H.
MATERIALS TESTING, vol.56, no.5, pp.369-374, 2014 (SCI-Expanded)
- XIII. **Determining the Most Suitable Costal Cartilage Level for Rhinoplasty: An Experimental Study**
Alkan Z., Açıoğlu E., Yiğit O., BEKEM A., Azizli E., ÜNAL A., Şahin F.
OTOLARYNGOLOGY-HEAD AND NECK SURGERY, vol.146, no.3, pp.377-381, 2012 (SCI-Expanded)
- XIV. **Tensile Characteristics of Costal and Septal Cartilages Used as Graft Materials**
Alkan Z., Yiğit O., Açıoğlu E., BEKEM A., Azizli E., Kocak I., ÜNAL A., BUYUK Y.
ARCHIVES OF FACIAL PLASTIC SURGERY, vol.13, no.5, pp.322-326, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Manufacturing of Hybrid Yarn Thermoplastic Composites by the Method of Filament Winding**
Ozbay B., BEKEM A., ÜNAL A.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.33, no.1, pp.214-227, 2020 (ESCI)
- II. **Inkudostapedial Bağlantı Süreksizliklerinin Onarımında Kullanılan Cam İyonomer Çimentosunun Biyomedikal Özellikleri**
ÜNAL A., BEKEM A., Araz Server E., ALKAN Z., YİĞİT Ö.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.18, no.3, pp.152-156, 2014 (Peer-Reviewed Journal)
- III. **Isıl İşlemin Emaye Özellikleri Üzerine Etkisinin İncelenmesi**
DUYGULU N., BEKEM A.
Türkiye Seramik Federasyonu Dergisi, vol.20, pp.140-149, 2013 (Non Peer-Reviewed Journal)
- IV. **İZOFTALİK POLYESTER MATRİSLİ SÜREKLİ E-CAMI VE BAZALT FİBER TAKVİYELİ KOMPOZİTLERİN MEKANİK ÖZELLİKLERİ ÜZERİNE DENYESEL BİR ÇALIŞMA**
GÜMÜLCİN T., BEKEM A., DOĞU M., GEMİCİ Z., ÜNAL A.
Sigma: Journal of Engineering Natural Sciences / Mühendislik ve Fen Bilimleri Dergisi, vol.5, pp.104-115, 2013 (Peer-Reviewed Journal)
- V. **SÜREKLİ E-CAM FİBER TAKVİYELİ POLİPROPİLEN KOMPOZİTLERİN ÜRETİMİ VE KARAKTERİZASYONU**
BAYDAR D. G., BEKEM A., DOĞU M., GEMİCİ Z., ÜNAL A.
Sigma: Journal of Engineering Natural Sciences / Mühendislik ve Fen Bilimleri Dergisi, vol.30, pp.120-132, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Dependency of morphological and mechanical performance of PLA/PBAT blends and their reactively compatibilized counterparts on melt viscoelastic properties of the blending components**
Altınbay A., Özsaltık C., Akdevelioğlu Y., Özdemir B., Nofar M.
International Congress of Rheology (ICR2023), Athens, Greece, 29 July - 04 August 2023, pp.22
- II. **Surface Modification of Cellulose Nanocrystal (CNC) and its Dispersion in PLA matrix**
Arslan O. N., Güntürkün D., Özdemir B., Altınbay A., Alkan Göksu Y., Nofar M.
EPF European Polymer Congress (EPF 2022), Praha, Czech Republic, 26 June - 01 July 2022, pp.259
- III. **Effect of Fly Ash Filler on Mechanical Performance of E-glass/Polyester Composites**
Bekem A., Birol B., Duygulu N.
19th International Metallurgy and Materials Congress (IMMC2018), İstanbul, Turkey, 25 - 27 October 2018, pp.700-702
- IV. **EFFECT OF ADDITION FILLER TO PA 12 COATING**
Bekem A., Duygulu N., Birol B.
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS 2018), Kyiv, Ukraine, 2 - 06 May 2018, pp.192
- V. **Composite Pipe Production with Polypropylene/Glass Fiber Commingled Yarn**
ÜNAL A., BEKEM A.
CONFERENCE ON MATERIALS SCIENCE AND NANOTECHNOLOGY FOR NEXT GENERATION (MSNG2017), Saraybosna, Bosnia And Herzegovina, 28 June 2017, pp.112
- VI. **A Lifetime Determination Method For Prepreg-Wound PE Composite Pipes**
Ünal A., Bekem A., Doğu M., Gemici Z., Baydar D. G., Güler M. H.
10. Uluslararası Kırılma Konferansı, Kayseri, Turkey, 24 April 2014, pp.199-209
- VII. **Reprocessing of fibre reinforced polyethylene composites, effects on mechanical properties**
ÜNAL A., Bekem A., Ünal A. R.

- Advanced Material World Congress (AMWC2013), 01 September 2013
- VIII. **Investigation of Mechanical Properties of Aramid Fiber Reinforced HDPE Composite**
BEKEM A., DOĞU M., GEMİCİ Z., ÜNAL A.
9TH INTERNATIONAL CONFERENCE ON COMPOSITE SCIENCE AND TECHNOLOGY: 2020 - SCIENTIFIC AND INDUSTRIAL CHALLENGES, Naples, Italy, 24 - 26 April 2013, pp.712-722
- IX. **Determination of the Effects of Recycling on Polyolefin Matrix Composites**
ÜNAL A., Bekem A., Ünal A. R., Güler M. H.
9th International Conference on Composite Science (ICCST9), 01 April 2013
- X. **INVESTIGATION OF MECHANICAL PROPERTIES OF BASALT FIBER REINFORCED THERMOPLASTIC COMPOSITES**
BEKEM A., DOĞU M., GEMİCİ Z., BAYDAR D. G., ÜNAL A.
16th International Conference on Composite Structures - ICCS16, Porto, Portugal, 28 - 30 June 2011
- XI. **A NOVEL LIFETIME PREDICTION METHOD FOR REINFORCED THERMOPLASTIC PIPES UNDER INTERNAL PRESSURE**
ÜNAL A., DOĞU M., GEMİCİ Z., BEKEM A., BAYDAR D. G.
16th International Conference on Composite Structures - ICCS 16, Porto, Portugal, 28 - 30 June 2011
- XII. **Oblik Split ve Klasik Yöntemlerle Hazırlanmış Kostal Kartilaj Greftlerinin Biyomekanik Özelliklerinin Karşılaştırılması**
Şener B. M., Bekem A., Şahin F., ÜNAL A., Yiğit Ö.
9. Türk Rinoloji Kongresi

Supported Projects

- ALTINBAY A., Project Supported by Higher Education Institutions, Melez iplikli termoplastik kompozit üretimi ve boru bağlantı parçaları modellenmesi, 2014 - 2017
- ÜNAL A., BEKEM A., Industrial Thesis Project, Melez iplikli termoplastik kompozit boru bağlantı elemanlarının elyaf sarma yöntemi ile üretimi ve modelleme teknikleri kullanılarak hatasız ürün geliştirilmesi, 2013 - 2015

Metrics

- Publication: 31
Citation (WoS): 21
Citation (Scopus): 19
H-Index (WoS): 3
H-Index (Scopus): 3

Non Academic Experience

Yıldız Teknik Üniversitesi