

Prof. GÜRALP ÖZKOÇ

Personal Information

Email: guralp.ozkoc@kocaeli.edu.tr

Web: <http://akademikpersonel.kocaeli.edu.tr/guralp.ozkoc/>

Address: Kocaeli Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü 41380 İzmit/Kocaeli

International Researcher IDs

ORCID: 0000-0002-3194-5256

Publons / Web Of Science ResearcherID: F-7917-2018

Yoksis Researcher ID: 153068

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Polimer Bilim Ve Teknoloji (Dr), Turkey 2004 - 2007

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Polimer Bilim Ve Teknoloji (Dr), Turkey 2001 - 2004

Undergraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Research Areas

Chemical Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2011 - Continues

Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 2002 - 2007

Academic and Administrative Experience

Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi (YI) (Tezli), 2011 - 2017

Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, 2012 - 2015

Advising Theses

ÖZKOÇ G., Characterization and synthesis of sorbitol based alkylid resin, Postgraduate, E.ŞAN(Student), 2018

ÖZKOÇ G., The effects of coagents having flexible molecular structure on the properties of peroxide crosslinked polyethylene, Postgraduate, E.BAŞARAN(Student), 2018

ÖZKOÇ G., Development of natural rubber compound reinforced with functional hybrid nanoparticle, Postgraduate, N.YAZICI(Student), 2018

ÖZKOÇ G., Nanocomposites of nanofibrillated cellulose-poly(lactid acid), Postgraduate, Ö.YOĞURTÇU(Student), 2018

ÖZKOÇ G., Shape memory property of PCL/TPU blends with a diisocyanate compatibilizer, Postgraduate, N.LEE(Student), 2018

ÖZKOÇ G., Synthesis and characterization of polycarboxylate type superplasticizers, Doctorate, Z.KÜÇÜKAY(Student), 2018

ÖZKOÇ G., Preparation of thermoplastic starch based hot melt adhesives and investigation of their performance, Postgraduate, T.EROL(Student), 2018

ÖZKOÇ G., Addition of the effect of oxidized thermoplastic starch and compatibilizer in poly(butylene adipate-co-terephthalate)/thermoplastic starch blends, Postgraduate, B.NUR(Student), 2017

ÖZKOÇ G., Investigation of the new generation hybrid poss nano-additives on the flaming behaviour of pp compounds, Postgraduate, G.TURGUT(Student), 2017

ÖZKOÇ G., Investigation of crystallization kinetics of poly(butylene succinate) nanocomposites, Doctorate, S.FİLİZGÖK(Student), 2017

ÖZKOÇ G., Mechanical, thermal properties and shape memory behaviour of plasticized poly(lactic acid)/thermoplastic polyurethane blends, Postgraduate, S.BOYACIOĞLU(Student), 2017

ÖZKOÇ G., Physical properties and shape memory behaviour of crosslinked polyethylene/POSS composites, Postgraduate, E.BİÇER(Student), 2017

ÖZKOÇ G., Development of POSS reinforced superhydrophilic coatings, Postgraduate, Ö.BESTE(Student), 2017

ÖZKOÇ G., Investigation of crosslinking kinetics of silicone rubber/POSS nanocomposites through different models, Postgraduate, İ.KARAAĞAÇ(Student), 2017

ÖZKOÇ G., Improvement of interfacial adhesion and matrix properties in silicone elastomer/continuous fiber composites with functional nanoparticles, Doctorate, H.ÇELİK(Student), 2016

ÖZKOÇ G., Use of inorganic natural nanotubes and synthetic carbon nanotubes in poly(lactic acid), Doctorate, C.ESMA(Student), 2015

ÖZKOÇ G., Investigation of physical properties and crystallization behaviour of plasticized poly(lactic acid) based nanocomposites, Doctorate, M.KODAL(Student), 2014

ÖZKOÇ G., Poly(Lactic Acid)/polyurethane blends using as biomaterials, Doctorate, Ş.KEMALOĞLU(Student), 2014

ÖZKOÇ G., Effects of anti-scratch additives on the properties of polypropylenes, Postgraduate, H.GÜNEYSU(Student), 2014

ÖZKOÇ G., Investigating the potential use of keratin fiber/thermoplastic polyurethane composites as scaffold, Postgraduate, Ö.GÖKÇE(Student), 2013

ÖZKOÇ G., Improvement of the interface in natural fiber reinforced eco-composites, Postgraduate, Z.DEMİR(Student), 2013

ÖZKOÇ G., Improving the properties of recycled PLA by using different chain extenders via reactive extrusion, Postgraduate, B.TUNA(Student), 2013

ÖZKOÇ G., Synthesis and characterization of cross-linked poly(Dimethyl Siloxane)nanocomposites, Postgraduate, Y.ÇAVUŞOĞLU(Student), 2013

ÖZKOÇ G., Processing and characterization of organoclay based industrial fibers, Postgraduate, D.TURAN(Student), 2012

ÖZKOÇ G., Investigation of seal behaviour and adhesion to ethylene vinyl alcohol copolymer of poly(lactic acid) based films by the help of heat and pressure, Postgraduate, Z.DİZDAR(Student), 2012

ÖZKOÇ G., Poly(lactic acid)/modified thermoplastic starch blends, Postgraduate, S.KARAGÖZ(Student), 2012

ÖZKOÇ G., Production and characterization of poly(hedral oligomeric silsesquioxane) (POSS) based nanocomposite industrial fibers, Postgraduate, H.ŞİRİN(Student), 2012

ÖZKOÇ G., Investigation of production technologies of polymer/ boron nitride micro nano composites to be used as thermal interface materials, Postgraduate, Ş.KEMALOĞLU(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A comprehensive review of the recent developments in thermoplastics and rubber blends-based composites and nanocomposites**
Urtekin G., Ullah M. S., Yildirim R., Ozkoc G., KODAL M.
POLYMER COMPOSITES, vol.44, no.12, pp.8303-8329, 2023 (SCI-Expanded)
- II. **Miscibility and phase behavior of reactively compatibilized poly(lactic acid)/poly(butylene succinate) bio-blends using various rheological analyses**
Saeed Ullah M., Yildirim R., Caraseva L., Zuza E., Ozkoc G., KODAL M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.140, no.38, 2023 (SCI-Expanded)
- III. **Reactive compatibilization of PLA/PBS bio-blends via a new generation of hybrid nanoparticles**
Ullah M. S., Yildirim R., KODAL M., Ozkoc G.
JOURNAL OF VINYL & ADDITIVE TECHNOLOGY, vol.29, no.4, pp.737-757, 2023 (SCI-Expanded)
- IV. **Unlocking the Potential Use of Reactive POSS as a Coagent for EPDM/PP-Based TPV**
Çakır N. Y., İnan Ö., Ergün M., KODAL M., Özkoç G.
POLYMERS, vol.15, no.10, 2023 (SCI-Expanded)
- V. **Novel and eco-friendly hydrophobic treatment of cotton and polyester fabrics based-on octavinyl and aminopropylisobutyl polyhedral oligomeric**
Akbaşak T., KODAL M., MERT O., Özkoç G.
POLYMER, vol.268, 2023 (SCI-Expanded)
- VI. **Improving bonding strength of injection Overmolded composites**
Akpınar S., Metin M., Kocoglu H., KODAL M., SEZEN M., ozkoc G., Altan M. C.
POLYMER ENGINEERING AND SCIENCE, vol.62, no.10, pp.3206-3217, 2022 (SCI-Expanded)
- VII. **A review on polyhedral oligomeric silsesquioxanes as a new multipurpose nanohybrid additive for poly(lactic acid) and poly(lactic acid) hybrid composites**
Ullah M. S., Yazici N., Wis A. A., Ozkoc G., KODAL M.
POLYMER COMPOSITES, vol.43, no.3, pp.1252-1281, 2022 (SCI-Expanded)
- VIII. **A novel practical approach for monitoring the crosslink density of an ethylene propylene diene monomer compound: Complementary scanning acoustic microscopy and FIB-SEM-EDS analyses**
Yazici N., Opar E., KODAL M., TANOREN B., SEZEN M., Ozkoc G.
POLYMERS & POLYMER COMPOSITES, vol.30, 2022 (SCI-Expanded)
- IX. **Crosslinked Low-Density Polyethylene/Polyhedral Oligomeric Silsesquioxanes Composites: Effects of Crosslinker Concentration on the Mechanical, Thermal, Rheological, and Shape Memory Properties**
Bicer E., KURT DEMİR G., KODAL M., ÖZKOÇ G.
JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS, vol.60, no.12, pp.999-1024, 2021 (SCI-Expanded)
- X. **Reactive compatibilization of biodegradable PLA/TPU blends via hybrid nanoparticle**
Kilic N. T., Can B. N., KODAL M., ÖZKOÇ G.
PROGRESS IN RUBBER PLASTICS AND RECYCLING TECHNOLOGY, vol.37, no.4, pp.301-326, 2021 (SCI-Expanded)
- XI. **Preparation of hetero-armed POSS-cored star-shaped PCL-PLA/PLA composites and effect of different diisocyanates as compatibilizer**
Caner D., Doganci E., Dandan Doğancı M., Özkoç G.
JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.122, 2021 (SCI-Expanded)
- XII. **Effects of hetero-armed star-shaped PCL-PLA polymers with POSS core on thermal, mechanical, and morphological properties of PLA**
Dandan Doğancı M., Caner D., Doğancı E., Özkoç G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.29, 2021 (SCI-Expanded)
- XIII. **The outstanding interfacial adhesion between acrylo-POSS/natural rubber composites and polyamide-based cords: 'An environmentally friendly alternative to resorcinol-formaldehyde latex coating'**
Yazici N., Dursun S., Yarici T., Kilic B., Arican M. O., MERT O., KARAAĞAÇ B., ÖZKOÇ G., KODAL M.
POLYMER, vol.228, 2021 (SCI-Expanded)
- XIV. **Effects of hot melt adhesives on the interfacial properties of overmolded hybrid structures of**

polyamide-6 on continuous carbon fiber/epoxy composites

Karakaya N., Papila M., Özkoç G.

COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.139, 2020 (SCI-Expanded)

- XV. **Polyimide nanocomposites in ternary structure: "A novel simultaneous neutron and gamma-ray shielding material"**
BAYKARA O., Irım S. G., Wis A. A., KESKİN M., ÖZKOÇ G., Avc A., DOĞRU M.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.31, no.11, pp.2466-2479, 2020 (SCI-Expanded)
- XVI. **Overmolded polylactide/jute-mat eco-composites: A new method to enhance the properties of natural fiber biodegradable composites**
Wis A. A., KODAL M., Ozturk S., ÖZKOÇ G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.20, 2020 (SCI-Expanded)
- XVII. **Overmolded hybrid composites of polyamide-6 on continuous carbon and glass fiber/epoxy composites: 'An assessment of the interface'**
Karakaya N., PAPILA M., ÖZKOÇ G.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.131, 2020 (SCI-Expanded)
- XVIII. **Effect of Octavinyl-Polyhedral Oligomeric Silsesquioxane on the Cross-linking, Cure Kinetics, and Adhesion Properties of Natural Rubber/Textile Cord Composites**
Yazici N., Dursun S., Yarici T., Kilic B., MERT O., KARAAĞAÇ B., ÖZKOÇ G., KODAL M.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.59, no.5, pp.1888-1901, 2020 (SCI-Expanded)
- XIX. **Polypropylene/Spray Dried and Silane-Treated Nanofibrillated Cellulose Composites**
Tabak C., Keskin S., Akbasak T., ÖZKOÇ G.
POLYMER ENGINEERING AND SCIENCE, vol.60, no.2, pp.352-361, 2020 (SCI-Expanded)
- XX. **The Potential Use of Epoxy-POSS as a Reactive Hybrid Compatibilizers for PLA/PBAT Blends: "Effect of PBAT Molecular Weight and POSS Type"**
Kilic N. T., Can B. N., KODAL M., ÖZKOÇ G.
POLYMER ENGINEERING AND SCIENCE, vol.60, no.2, pp.398-413, 2020 (SCI-Expanded)
- XXI. **A comprehensive study on shape memory behavior of PEG plasticized PLA/TPU bio-blends**
Boyacioglu S., KODAL M., ÖZKOÇ G.
European Polymer Journal, vol.122, 2020 (SCI-Expanded)
- XXII. **Non-Isothermal Crystallization Kinetics of Green Microalgae Filled Poly(Lactic Acid)**
KODAL M., KUTLUK T., Yarici T., KAPUCU N., ÖZKOÇ G.
ACTA PHYSICA POLONICA A, vol.136, no.6, pp.974-982, 2019 (SCI-Expanded)
- XXIII. **Mechanical, thermal and morphological properties of poly(lactic acid) by using star-shaped poly(epsilon-caprolactone) with POSS core**
Doganci M., Aynali F., DOĞANCI E., ÖZKOÇ G.
EUROPEAN POLYMER JOURNAL, vol.121, 2019 (SCI-Expanded)
- XXIV. **Thermal, mechanical and physical properties of chain extended recycled polyamide 6 via reactive extrusion: Effect of chain extender types**
Ozmen S. C., ÖZKOÇ G., Serhatli E.
POLYMER DEGRADATION AND STABILITY, vol.162, pp.76-84, 2019 (SCI-Expanded)
- XXV. **Compatibilization of PLA/PBAT blends by using Epoxy-POSS**
Kilic N. T., Can B. N., KODAL M., ÖZKOÇ G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.12, 2019 (SCI-Expanded)
- XXVI. **Long- and short-term stability of plasticized poly(lactic acid): effects of plasticizers type on thermal, mechanical and morphological properties**
KODAL M., ŞİRİN H., ÖZKOÇ G.
POLYMER BULLETIN, vol.76, no.1, pp.423-445, 2019 (SCI-Expanded)
- XXVII. **The mechanical, thermal and morphological properties of gamma-irradiated PLA/TAIC and PLA/OvPOSS**
KODAL M., Wis A. A., ÖZKOÇ G.
RADIATION PHYSICS AND CHEMISTRY, vol.153, pp.214-225, 2018 (SCI-Expanded)

- XXVIII. **Investigation of relationship between crystallization kinetics and interfacial interactions in plasticized poly(lactic acid)/POSS nanocomposites: "Effects of different POSS types"**
KODAL M., ŞİRİN H., ÖZKOÇ G.
POLYMER COMPOSITES, vol.39, no.8, pp.2674-2684, 2018 (SCI-Expanded)
- XXIX. **Non-isothermal crystallization kinetics and dynamic mechanical properties of poly(Butylene succinate) nanocomposites with different type of carbonaceous nanoparticles**
FİLİZGÖK S., KODAL M., ÖZKOÇ G.
POLYMER COMPOSITES, vol.39, no.8, pp.2705-2721, 2018 (SCI-Expanded)
- XXX. **Non-isothermal crystallization kinetics of Poly(Butylene succinate) (PBS) nanocomposites with different modified carbon nanotubes**
Yarici T., KODAL M., ÖZKOÇ G.
POLYMER, vol.146, pp.361-377, 2018 (SCI-Expanded)
- XXXI. **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)
- XXXII. **Synthesis of phosphorus- and phenyl-based ROMP polymers and investigation of their effects on the thermomechanical and flammability properties of a polypropylene-IFR system**
TURGUT G., Isiksel E., Kahraman G., EREN T., ÖZKOÇ G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, no.11, 2018 (SCI-Expanded)
- XXXIII. **Physical, mechanical and neutron shielding properties of h-BN/Gd₂O₃/HDPE ternary nanocomposites**
Irim S. G., Wis A. A., Keskin M. A., Baykara O., ÖZKOÇ G., Avcı A., Dogru M., KARAKOÇ M.
RADIATION PHYSICS AND CHEMISTRY, vol.144, pp.434-443, 2018 (SCI-Expanded)
- XXXIV. **The effects of POSS particles on the flame retardancy of intumescent polypropylene composites and the structure-property relationship**
TURGUT G., DOĞAN M., TAYFUN U., ÖZKOÇ G.
POLYMER DEGRADATION AND STABILITY, vol.149, pp.96-111, 2018 (SCI-Expanded)
- XXXV. **Effects of Magnesia Incorporation on Properties of Polystyrene/Magnesia Composites**
HACHANI S. E., Wis A. A., NECİRA Z., NEBBACHE N., MEGHEZZİ A., ÖZKOÇ G.
ACTA CHIMICA SLOVENICA, vol.65, no.3, pp.646-651, 2018 (SCI-Expanded)
- XXXVI. **Preparation, characterization, and in vitro evaluation of chicken feather fiber-thermoplastic polyurethane composites**
Gökçe O., Kasap M., Akpınar G., Özkoç G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, 2017 (SCI-Expanded)
- XXXVII. **Effects of Diisocyanate and Polymeric Epoxidized Chain Extenders on the Properties of Recycled Poly(Lactic Acid)**
Tuna B., ÖZKOÇ G.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.25, no.4, pp.983-993, 2017 (SCI-Expanded)
- XXXVIII. **Comparison of Natural Halloysite With Synthetic Carbon Nanotubes in Poly(lactic acid) Based Composites**
Erpek C. E. Y., ÖZKOÇ G., YILMAZER Ü.
POLYMER COMPOSITES, vol.38, no.11, pp.2337-2346, 2017 (SCI-Expanded)
- XXXIX. **High-Performance Green Composites of Poly(lactic acid) and Waste Cellulose Fibers Prepared by High-Shear Thermokinetic Mixing**
Oguz O., Bilge K., Simsek E., Citak M. K., Wis A. A., ÖZKOÇ G., Menceloglu Y. Z.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.56, no.30, pp.8568-8579, 2017 (SCI-Expanded)
- XL. **Non-Isothermal Crystallization Kinetics of PEG Plasticized PLA/G-POSS Nanocomposites**
KODAL M., ŞİRİN H., ÖZKOÇ G.
POLYMER COMPOSITES, vol.38, no.7, pp.1378-1389, 2017 (SCI-Expanded)
- XLI. **Thermally induced shape memory behavior, enzymatic degradation and biocompatibility of PLA/TPU blends: "Effects of compatibilization"**

DOĞAN S., BOYACIOĞLU S., KODAL M., GÖKÇE Ö., ÖZKOÇ G.

JOURNAL OF THE MECHANICAL BEHAVIOR OF BIOMEDICAL MATERIALS, vol.71, pp.349-361, 2017 (SCI-Expanded)

- XLII. **Effects of Halloysite Nanotubes on the Performance of Plasticized Poly(lactic acid)-Based Composites**
Erpek C. E. Y., ÖZKOÇ G., YILMAZER Ü.
POLYMER COMPOSITES, vol.37, no.11, pp.3134-3148, 2016 (SCI-Expanded)
- XLIII. **Effects of octamaleamic acid-POSS used as the adhesion enhancer on the properties of silicone rubber/silica nanocomposites**
ŞİRİN H., KODAL M., KARAAĞAÇ B., ÖZKOÇ G.
COMPOSITES PART B-ENGINEERING, vol.98, pp.370-381, 2016 (SCI-Expanded)
- XLIV. **The influence of POSS type on the properties of PLA**
ŞİRİN H., KODAL M., ÖZKOÇ G.
POLYMER COMPOSITES, vol.37, no.5, pp.1497-1506, 2016 (SCI-Expanded)
- XLV. **A study on the separation performance of zeolite filled thin film composite poly(dimethyl siloxane) membrane**
Nigiz F., ÖZKOÇ G., Hilmioglu N. D.
MATERIALS & DESIGN, vol.88, pp.942-949, 2015 (SCI-Expanded)
- XLVI. **Dual effect of chemical modification and polymer precoating of flax fibers on the properties of short flax fiber/poly(lactic acid) composites**
KODAL M., TOPUK Z. D., ÖZKOÇ G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.132, no.48, 2015 (SCI-Expanded)
- XLVII. **Properties of Talc/Wollastonite/Polyamide 6 Hybrid Composites**
KODAL M., Erturk S., ŞANLI S., ÖZKOÇ G.
POLYMER COMPOSITES, vol.36, no.4, pp.739-746, 2015 (SCI-Expanded)
- XLVIII. **The Effects of Thermomechanical Cycles on the Properties of PLA/TPS Blends**
ŞİRİN H., TUNA B., ÖZKOÇ G.
ADVANCES IN POLYMER TECHNOLOGY, vol.33, 2014 (SCI-Expanded)
- XLIX. **Thoughening of Poly(lactic acid) With Silicone Rubber**
YILDIZ S., KARAAĞAÇ B., ÖZKOÇ G.
POLYMER ENGINEERING AND SCIENCE, vol.54, no.9, pp.2029-2036, 2014 (SCI-Expanded)
- L. **Reactive Compatibilization of PLA/ TPU Blends with a Diisocyanate**
Dogan S. K., Reyes E. A., Rastogi S., ÖZKOÇ G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.10, 2014 (SCI-Expanded)
- LI. **Effects of reactive and nonreactive POSS types on the mechanical, thermal, and morphological properties of plasticized poly(lactic acid)**
KODAL M., Sirin H., ÖZKOÇ G.
POLYMER ENGINEERING AND SCIENCE, vol.54, no.2, pp.264-275, 2014 (SCI-Expanded)
- LII. **Fracture toughness analysis of O-POSS/PLA composites assessed by essential work of fracture method**
Yilmaz S., Kodal M., Yilmaz T., Özkoç G.
COMPOSITES PART B-ENGINEERING, vol.56, pp.527-535, 2014 (SCI-Expanded)
- LIII. **POSS reinforced PET based composite fibers: "Effect of POSS type and loading level"**
Sirin H., TURAN D., ÖZKOÇ G., Gurdag S.
COMPOSITES PART B-ENGINEERING, vol.53, pp.395-403, 2013 (SCI-Expanded)
- LIV. **Effects of a Diisocyanate Compatibilizer on the Properties of Citric Acid Modified Thermoplastic Starch/Poly(lactic acid) Blends**
Karagoz S., ÖZKOÇ G.
POLYMER ENGINEERING AND SCIENCE, vol.53, no.10, pp.2183-2193, 2013 (SCI-Expanded)
- LV. **Properties of modified ethylene terpolymer/poly(lactic acid) blends based films**
DOĞAN S. K., GÜMÜŞ S., AYTAÇ A., ÖZKOÇ G.

FIBERS AND POLYMERS, vol.14, no.9, pp.1422-1431, 2013 (SCI-Expanded)

- LVI. **A modified method for processing and characterization of organoclay based poly ethylene terephthalate nanocomposite fibers**
TURAN D., HÜMEYRA Ş., GÜRDAĞ S., ÖZKOÇ G.
Polymer Composites, vol.34, pp.887-896, 2013 (SCI-Expanded)
- LVII. **Investigation of erosive wear behavior and physical properties of SGF and/or calcite reinforced ABS/PA6 composites**
Karsli N. G., Yılmaz T., Aytaç A., Özkoç G.
COMPOSITES PART B-ENGINEERING, vol.44, no.1, pp.385-393, 2013 (SCI-Expanded)
- LVIII. **Plasticized and unplasticized PLA/organoclay nanocomposites: Short- and long-term thermal properties, morphology, and nonisothermal crystallization behavior**
GÜMÜŞ S., ÖZKOÇ G., AYTAÇ A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.123, no.5, pp.2837-2848, 2012 (SCI-Expanded)
- LIX. **Effects of POSS Particles on the Mechanical, Thermal, and Morphological Properties of PLA and Plasticised PLA**
TURAN D., Sirin H., ÖZKOÇ G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.121, no.2, pp.1067-1075, 2011 (SCI-Expanded)
- LX. **Effects of Alkali Treatment on the Properties of Short Flax Fiber-Poly(Lactic Acid) Eco-Composites**
Aydin M., Tozlu H., Kemalolu S., AYTAÇ A., ÖZKOÇ G.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.19, no.1, pp.11-17, 2011 (SCI-Expanded)
- LXI. **Thermally Conductive Boron Nitride/SEBS/EVA Ternary Composites: "Processing and Characterization"**
Kemaloglu S., ÖZKOÇ G., AYTAÇ A.
POLYMER COMPOSITES, vol.31, no.8, pp.1398-1408, 2010 (SCI-Expanded)
- LXII. **Production of Poly(lactic acid)/Organoclay Nanocomposite Scaffolds by Microcompounding and Polymer/Particle Leaching**
ÖZKOÇ G., Kemalolu S., Quaedflieg M.
POLYMER COMPOSITES, vol.31, no.4, pp.674-683, 2010 (SCI-Expanded)
- LXIII. **Interfacial Strength in Short Glass Fiber Reinforced Acrylonitrile-Butadiene-Styrene/Polyamide 6 Blends**
Isitman N. A., Aykol M., ÖZKOÇ G., BAYRAM G., KAYNAK C.
POLYMER COMPOSITES, vol.31, no.3, pp.392-398, 2010 (SCI-Expanded)
- LXIV. **Properties of thermally conductive micro and nano size boron nitride reinforced silicon rubber composites**
KEMALOĞLU S., ÖZKOÇ G., AYTAÇ A.
THERMOCHIMICA ACTA, vol.499, pp.40-47, 2010 (SCI-Expanded)
- LXV. **Thermally conductive BN SEVBS EVA ternary composites Processing and Characterization**
ŞEBNEM K., ÖZKOÇ G., AYTAÇ A.
Polymer Composites, vol.31, pp.1398-1408, 2010 (SCI-Expanded)
- LXVI. **Morphology, Biodegradability, Mechanical, and Thermal Properties of Nanocomposite Films Based on PLA and Plasticized PLA**
ÖZKOÇ G., Kemalolu S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.114, no.4, pp.2481-2487, 2009 (SCI-Expanded)
- LXVII. **Effects of microcompounding process parameters on the properties of ABS/polyamide-6 blends based nanocomposites**
Oezkoc G., Bayram G., Quaedflieg M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.107, no.5, pp.3058-3070, 2008 (SCI-Expanded)
- LXVIII. **Effects of olefin-based compatibilizers on the morphology, thermal and mechanical properties of ABS/polyamide-6 blends**
Ozkoc G., BAYRAM G., BAYRAMLI E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.104, no.2, pp.926-935, 2007 (SCI-Expanded)

- LXIX. **Short glass fiber reinforced ABS and ABS/PA6 composites: Processing and characterization**
Ozkoc G., BAYRAM G., BAYRAMLI E.
POLYMER COMPOSITES, vol.26, no.6, pp.745-755, 2005 (SCI-Expanded)
- LXX. **Effects of polyamide 6 incorporation to the short glass fiber reinforced ABS composites: an interfacial approach**
Ozkoc G., BAYRAM G., BAYRAMLI E.
POLYMER, vol.45, no.26, pp.8957-8966, 2004 (SCI-Expanded)

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- I. **Development of Personal Protective Respirator Based on Additive Manufacturing Technologies in Fighting Against Pandemic**
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