

Prof. ERDAL BAYRAMLI

Personal Information

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Advising Theses

- BAYRAMLI E., DOĞAN M. O., Mechanical, thermal and flammability properties of huntite hydromagnesite reinforced polyurethane elastomer, Postgraduate, T.Güler(Student), 2017
- BAYRAMLI E., DOĞAN M. O., Improvement of mechanical and flame retardancy properties of biocomposites based on low density polyethylene and polylactic acid, Doctorate, Y.Altun(Student), 2015
- BAYRAMLI E., KORKUSUZ F., Analysis of the effects of vancomycin containing bioceramic/polymer composites on biofilm prevention, biocompatibility and osteogenic modification of mesenchymal stem cells, Doctorate, B.Kankılıç(Student), 2015
- BAYRAMLI E., Production and characterization of boron containing flame retardant polyamide-6 and polypropylene composites and fibers, Doctorate, M.Doğan(Student), 2011
- BAYRAMLI E., Synthesis of liquid crystalline copolyesters with low melting temperature for in situ composite applications, Doctorate, S.Erdoğan(Student), 2011
- BAYRAMLI E., Investigations on the properties and drug releases of biodegradable polymer coatings on metal substrates as drug carriers, Doctorate, T.Baydemir(Student), 2009
- BAYRAMLI E., Foamed eva-bitumen blends and composites, Postgraduate, B.Fuat(Student), 2008
- BAYRAMLI E., Investigations on the biodegradable polymeric and inorganic substrates for controlled drug delivery and bone and cartilage repair, Postgraduate, A.Günay(Student), 2008
- BAYRAMLI E., Effects of titanate coupling agents on low density polyethylene and polypropylene blends and composites, Postgraduate, G.Yılmaz(Student), 2008
- BAYRAMLI E., Modification of polypropylene films for antistatic and anti-scratch properties, Postgraduate, P.Kürkçü(Student), 2007
- BAYRAMLI E., Effects of fillers on morphological, mechanical, flow and thermal properties of bituminous composites, Postgraduate, Ü.Tayfun(Student), 2006
- BAYRAMLI E., Effect of polymer additives on the physical properties of bitumen based composites, Postgraduate, M.Doğan(Student), 2006
- BAYRAMLI E., Effect of rigid rod molecular structures on the properties of regenerated and virgin poly(ethylene terephthalate), Postgraduate, C.Zeynep(Student), 2004
- BAYRAMLI E., Effect of natural polysaccharides on the integrity and texture of sugar based matrices in three dimensional printing, Postgraduate, T.Baydemir(Student), 2003
- BAYRAMLI E., Investigations on the permeability of acrylic powder structures, Postgraduate, Y.Ağırtopçu(Student), 2003
- BAYRAMLI E., Synthesis and characterization of copolymers of ethyleneterephthalate oligomers and p-acetoxybenzoic acid., Postgraduate, C.Ateş(Student), 2002
- BAYRAMLI E., Studies on epoxy-iron powder magnetic composites for electrical motor applications., Postgraduate, Ö.Gölgelioglu(Student), 2002
- BAYRAMLI E., The effect of silane coupling agents on the mechanical properties of polyhydroxybutyrate-valerate copolymer and hydroxyapatite composites, Postgraduate, M.Özgür(Student), 2001
- BAYRAMLI E., Properties of biodegradable and biocompatible poly(3-hydroxybutyrate) and its copolymers, Postgraduate, M.Kemal(Student), 1999
- BAYRAMLI E., Synthesis of aromatic compound modified poly (ethylene terephthalate) and investigations of spun fibers, Postgraduate, C.Merih(Student), 1998

BAYRAMLI E., Investigations on the molecular and morphological structure of aromatic copolyester blends and copolymers, Postgraduate, E.Nisanoğlu(Student), 1998

BAYRAMLI E., Investigations on the morphology-property relationships of aromatic copolyesters and their blends with poly (ethylene terephthalate), Postgraduate, T.Develioğlu(Student), 1998

BAYRAMLI E., Phase behaviour of liquid crystalline copolyesters, Postgraduate, R.Eskimergen(Student), 1998

BAYRAMLI E., Thermotropic liquid crystalline copolyesters, synthesis, characterizations and kinetic studies, Postgraduate, T.Ateş(Student), 1997

BAYRAMLI E., ÖZKAR S., An investigation of the liner-propellant interface in HTPB solid rocket fuels, Postgraduate, S.Burak(Student), 1995

BAYRAMLI E., Effect of surface activation of carbon fibers on the adhesive and the mechanical properties of carbon fiber composites, Postgraduate, N.Kutay(Student), 1995

BAYRAMLI E., Synthesis of bismaleimide based structural polymers and their characterization, Postgraduate, Z.Yerlikaya(Student), 1994

BAYRAMLI E., The effect of surface activation in polymer matrix-carbon fiber interactions, Postgraduate, A.Rıza(Student), 1994

BAYRAMLI E., Conducting composites of polypyrrole., Postgraduate, N.Balcı(Student), 1993

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Vancomycin Containing PDLLA and PLGA/ β -TCP Inhibit Biofilm Formation but Do Not Stimulate Osteogenic Transformation of Human Mesenchymal Stem Cells**
Kankilic B., Bayramli E., KORKUSUZ P., EROĞLU H., ŞENER B., MUTLU P., KORKUSUZ F.
Frontiers in Surgery, vol.9, 2022 (SCI-Expanded)
- II. **Stem Cell and Advanced Nano Bioceramic Interactions**
Kose S., Kankilic B., Gizer M., Dede E. C., Bayramli E., KORKUSUZ P., KORKUSUZ F.
NOVEL BIOMATERIALS FOR REGENERATIVE MEDICINE, vol.1077, pp.317-342, 2018 (SCI-Expanded)
- III. **Investigations of the flax fiber/thermoplastic polyurethane eco-composites: Influence of isocyanate modification of flax fiber surface**
Tayfun U., DOĞAN M., Bayramli E.
POLYMER COMPOSITES, vol.38, no.12, pp.2874-2880, 2017 (SCI-Expanded)
- IV. **Mechanical, electrical, and melt flow properties of polyurethane elastomer/surface-modified carbon nanotube composites**
Tayfun U., KANBUR Y., ABACI U., Guney H. Y., Bayramli E.
JOURNAL OF COMPOSITE MATERIALS, vol.51, no.14, pp.1987-1996, 2017 (SCI-Expanded)
- V. **Effect of expandable graphite on flame retardant, thermal and mechanical properties of thermoplastic polyurethane composites filled with huntite&hydromagnesite mineral**
Guler T., Tayfun U., Bayramli E., DOĞAN M.
THERMOCHIMICA ACTA, vol.647, pp.70-80, 2017 (SCI-Expanded)
- VI. **Flammability and thermal degradation behavior of flame retardant treated wood flour containing intumescent LDPE composites**
Altun Y., DOĞAN M., Bayramli E.
EUROPEAN JOURNAL OF WOOD AND WOOD PRODUCTS, vol.74, no.6, pp.851-856, 2016 (SCI-Expanded)
- VII. **The effect of red phosphorus on the fire properties of intumescent pine wood flour - LDPE composites**
Altun Y., DOĞAN M., Bayramli E.
FIRE AND MATERIALS, vol.40, no.5, pp.697-703, 2016 (SCI-Expanded)
- VIII. **Effect of surface modification of rice straw on mechanical and flow properties of TPU-based green composites**
Tayfun U., DOĞAN M., Bayramli E.
POLYMER COMPOSITES, vol.37, no.5, pp.1596-1602, 2016 (SCI-Expanded)

- IX. Influence of Surface Modifications of Flax Fiber on Mechanical and Flow Properties of Thermoplastic Polyurethane Based Eco-Composites**
Tayfun U., DOĞAN M., Bayramli E.
JOURNAL OF NATURAL FIBERS, vol.13, no.3, pp.309-320, 2016 (SCI-Expanded)
- X. Mechanical, flow and electrical properties of thermoplastic polyurethane/fullerene composites: Effect of surface modification of fullerene**
Tayfun U., KANBUR Y., ABACI U., GÜNEY H. Y., Bayramli E.
COMPOSITES PART B-ENGINEERING, vol.80, pp.101-107, 2015 (SCI-Expanded)
- XI. The flame retardant effect of aluminum phosphinate in combination with zinc borate, borophosphate, and nanoclay in polyamide-6**
DOĞAN M., Bayramli E.
FIRE AND MATERIALS, vol.38, no.1, pp.92-99, 2014 (SCI-Expanded)
- XII. Effect of Boron Phosphate on the Mechanical, Thermal and Fire Retardant Properties of Polypropylene and Polyamide-6 Fibers**
DOĞAN M., Bayramli E.
FIBERS AND POLYMERS, vol.14, no.10, pp.1595-1601, 2013 (SCI-Expanded)
- XIII. Effect of Alkaline Treatment and Pre-impregnation on Mechanical and Water Absorbtion Properties of Pine Wood Flour Containing Poly (Lactic Acid) Based Green-Composites**
Altun Y., DOĞAN M., Bayramli E.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.21, no.3, pp.850-856, 2013 (SCI-Expanded)
- XIV. Direct pyrolysis mass spectrometry analyses of polyamide-6 containing melamine and boron compounds**
Isbasar C., Bayramli E., HACALOĞLU J.
POLYMER COMPOSITES, vol.34, no.8, pp.1389-1395, 2013 (SCI-Expanded)
- XV. Mechanical, thermal, and fire retardant properties of poly(ethylene terephthalate) fiber containing zinc phosphinate and organo-modified clay**
DOĞAN M., Erdogan S., Bayramli E.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.112, no.2, pp.871-876, 2013 (SCI-Expanded)
- XVI. Comparative study of maleated and glycidyl methacrylate functionalized terpolymers as compatibilizers for low-density polyethylene-wood flour composites**
Altun Y., DOĞAN M., BAYRAMLI E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.127, no.2, pp.1010-1016, 2013 (SCI-Expanded)
- XVII. The role of nanoparticle geometry in flame retardancy of polylactide nanocomposites containing aluminium phosphinate**
Isitman N. A., DOĞAN M., BAYRAMLI E., KAYNAK C.
POLYMER DEGRADATION AND STABILITY, vol.97, no.8, pp.1285-1296, 2012 (SCI-Expanded)
- XVIII. Synergistic effect of boron containing substances on flame retardancy and thermal stability of clay containing intumescent polypropylene nanoclay composites**
Dogan M., Bayramli E.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.22, no.12, pp.1628-1632, 2011 (SCI-Expanded)
- XIX. Vancomycin Containing PLLA/beta-TCP Controls MRSA In Vitro**
Kankilic B., Bayramli E., Kilic E., Dagdeviren S., Korkusuz F.
CLINICAL ORTHOPAEDICS AND RELATED RESEARCH, vol.469, no.11, pp.3222-3228, 2011 (SCI-Expanded)
- XX. Physical Properties and Cure Characteristics of Natural Rubber/Nanoclay Composites with Two Different Compatibilizers**
Dogan M., Oral D. D., Yilmaz B., Savu M., Karahan S., Bayramli E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.121, no.3, pp.1530-1535, 2011 (SCI-Expanded)
- XXI. Effect of boron containing materials on flammability and thermal degradation of polyamide-6 composites containing melamine cyanurate**
Dogan M., YILMAZ A., Bayramli E.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.22, no.5, pp.560-566, 2011 (SCI-Expanded)

- XXII. **Fire Retardant Properties of Intumescent Polypropylene Composites Filled With Calcium Carbonate**
Isitman N. A., Dogan M., Bayramli E., KAYNAK C.
POLYMER ENGINEERING AND SCIENCE, vol.51, no.5, pp.875-883, 2011 (SCI-Expanded)
- XXIII. **Effect of Boron-Containing Materials on the Flammability and Thermal Degradation of Polyamide 6 Composites Containing Melamine**
Dogan M., BAYRAMLI E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.118, no.5, pp.2722-2727, 2010 (SCI-Expanded)
- XXIV. **Synergistic effect of boron containing substances on flame retardancy and thermal stability of intumescent polypropylene composites**
Dogan M., YILMAZ A., BAYRAMLI E.
POLYMER DEGRADATION AND STABILITY, vol.95, no.12, pp.2584-2588, 2010 (SCI-Expanded)
- XXV. **Effect of Polymer Additives and Process Temperature on the Physical Properties of Bitumen-Based Composites**
Dogan M., Bayramli E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.113, no.4, pp.2331-2338, 2009 (SCI-Expanded)
- XXVI. **Impact essential work of fracture toughness of ABS/polyamide-6 blends compatibilized with olefin based copolymers**
Ozkoc G., BAYRAM G., Bayramli E.
JOURNAL OF MATERIALS SCIENCE, vol.43, no.8, pp.2642-2652, 2008 (SCI-Expanded)
- XXVII. **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)

Refereed Congress / Symposium Publications in Proceedings

- I. **Diamin türevi benzoksazin monomer ve polimerlerinin sentezi karakterizasyonu ve termal özelliklerinin araştırılması**
Kaya Deniz T., DOĞAN Ö., BAYRAMLI E.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, vol.27

Supported Projects

BAYRAMLI E., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

Metrics

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