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Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Biyomühendislik, Türkiye 1990 - 1994

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Türkiye 1987 - 1989

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Türkiye 1983 - 1987

Araştırma Alanları

Biyomedikal Mühendisliği, Klinik Mühendisliği, Klinik Mühendisliği, Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Biyomalzemeler, Nanomalzemeler, Mühendislik ve Teknoloji

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **The preparation of chitosan membrane improved with nanoparticles based on unsaturated fatty acid for using in cancer-related infections**
Kizaloglu A., Kilicay E., KARAHALİLOĞLU Z., Hazer B., DENKBAŞ E. B.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.35, ss.328-350, 2020 (SCI İndekslerine Giren Dergi)
- II. **Potent bioactive bone cements impregnated with polystyrene-g-soybean oil-AgNPs for advanced bone tissue applications**
Ilhan E., KARAHALİLOĞLU Z., KILIÇAY E., Hazer B., DENKBAŞ E. B.
MATERIALS TECHNOLOGY, cilt.35, ss.179-194, 2020 (SCI İndekslerine Giren Dergi)
- III. **Designing siRNA-conjugated plant oil-based nanoparticles for gene silencing and cancer therapy**
Anilmis N. M. , KARA G., KILIÇAY E., Hazer B., DENKBAŞ E. B.
JOURNAL OF MICROENCAPSULATION, cilt.36, ss.635-648, 2019 (SCI İndekslerine Giren Dergi)
- IV. **Porous polyurethane film fabricated via the breath figure approach for sustained drug release**
Daban G., BAYRAM C., Bozdogan B., DENKBAŞ E. B.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.136, 2019 (SCI İndekslerine Giren Dergi)
- V. **Transscleral Delivery of Bevacizumab-Loaded Chitosan Nanoparticles**
Ugurlu N., AŞIK M. D. , ÇAKMAK H. B. , Tuncer S., TÜRK M., Cagil N., DENKBAŞ E. B.
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, cilt.15, ss.830-838, 2019 (SCI İndekslerine Giren Dergi)
- VI. **Experimental Exploration of Thermostable Poly (-Hydroxybutyrates) by Geobacillus kaustophilus Using Box-Behnken Design**
Gedikli S., ÇELİK P. A. , DEMİRBİLEK M., Mutlu M. B. , DENKBAŞ E. B. , ÇABUK A.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, cilt.27, ss.245-255, 2019 (SCI İndekslerine Giren Dergi)
- VII. **Saponin loaded montmorillonite-human serum albumin nanocomposites as drug delivery system in**

colorectal cancer therapy

AKBAL Ö, VURAL T, MALEKGHAŞEMI S, Bozdogan B, DENKBAŞ E. B.

APPLIED CLAY SCIENCE, cilt.166, ss.214-222, 2018 (SCI İndekslerine Giren Dergi)

- VIII. **Development of Titania Nanotube-based Electrochemical Immunosensor and Determination of Prostate Specific Antigen**
KIZILTAN D., VURAL T., BAYRAM C., OZTURK S., BOZDOGAN B., YAMAN Y. T. , ABACI S., DENKBAŞ E. B.
ANALYTICAL SCIENCES, cilt.34, ss.789-794, 2018 (SCI İndekslerine Giren Dergi)
- IX. **Peptide nanoparticles (PNPs) modified disposable platform for sensitive electrochemical cytosensing of DLD-1 cancer cells**
YAMAN Y. T. , Akbal Ö., BOLAT G., BOZDOGAN B., DENKBAŞ E. B. , ABACI S.
Biosensors and Bioelectronics, cilt.104, ss.50-57, 2018 (SCI İndekslerine Giren Dergi)
- X. **Synthesis and comparison of crosslinked peptide nanoparticles based on diphenylalanine derivatives**
BOZDOGAN B., AKBAL Ö., VURAL T., DENKBAŞ E. B.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.135, 2018 (SCI İndekslerine Giren Dergi)
- XI. **Sensitive electrochemical detection of fenitrothion pesticide based on self-assembled peptide-nanotubes modified disposable pencil graphite electrode**
BOLAT G., ABACI S., VURAL T., BOZDOGAN B., DENKBAŞ E. B.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.809, ss.88-95, 2018 (SCI İndekslerine Giren Dergi)
- XII. **Electrochemical immunoassay for detection of prostate specific antigen based on peptide nanotube-gold nanoparticle-polyaniline immobilized pencil graphite electrode**
VURAL T., YAMAN Y. T. , OZTURK S., ABACI S., DENKBAŞ E. B.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.510, ss.318-326, 2018 (SCI İndekslerine Giren Dergi)
- XIII. **Optimization of hyaluronic acid production and its cytotoxicity and degradability characteristics**
Gedikli S., Gungor G., Toptas Y., Sezgin D. E. , DEMİR BİLEK M., YAZIHAN N., ÇELİK P. A. , DENKBAŞ E. B. , BÜTÜN V., ÇABUK A.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, cilt.48, ss.610-618, 2018 (SCI İndekslerine Giren Dergi)
- XIV. **Enhanced antitumor activity of epigallocatechin gallate-conjugated dual-drug-loaded polystyrene-polysoyaoil-diethanol amine nanoparticles for breast cancer therapy**
KARAHALILOĞLU Z., KILIÇAY E., Alpaslan P., HAZER B., DENKBAŞ E. B.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.33, ss.38-62, 2018 (SCI İndekslerine Giren Dergi)
- XV. **Magnetic silk fibroin e-gel scaffolds for bone tissue engineering applications**
Karahaliloglu Z., YALCIN E., DEMİR BİLEK M., DENKBAŞ E. B.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.32, ss.596-614, 2017 (SCI İndekslerine Giren Dergi)
- XVI. **Synthesis and characterization of amino acid-functionalized calcium phosphate nanoparticles for siRNA delivery**
BAKAN F., KARA G., Cakmak M. C. , Cokol M., DENKBAŞ E. B.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.158, ss.175-181, 2017 (SCI İndekslerine Giren Dergi)
- XVII. **Active nano/microlayer hemostatic agents for diabetic rat bleeding model**
Karahaliloglu Z., DEMİR BİLEK M., ULUSOY I., Gumuskaya B., DENKBAŞ E. B.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, cilt.105, ss.1573-1585, 2017 (SCI İndekslerine Giren Dergi)
- XVIII. **The effect of thymoquinone coating on adhesive properties of polypropylene mesh**
Aydin O., Aydinuraz K., Agalar F., Sahiner I. T. , Agalar C., BAYRAM C., DENKBAŞ E. B. , Atasoy P.
BMC SURGERY, cilt.17, 2017 (SCI İndekslerine Giren Dergi)
- XIX. **In vitro evaluation of antisense oligonucleotide functionalized core-shell nanoparticles loaded with -tocopherol succinate**
Kilicay E., Karahaliloglu Z., Alpaslan P., Hazer B., DENKBAŞ E. B.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.28, ss.1762-1785, 2017 (SCI İndekslerine Giren Dergi)
- XX. **Antibacterial chitosan/silk sericin 3D porous scaffolds as a wound dressing material**

Karahaliloglu Z., Kilicay E., DENKBAŞ E. B.

ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.45, ss.1172-1185, 2017 (SCI İndekslerine Giren Dergi)

- XXI. **Comparison of protein- and polysaccharide-based nanoparticles for cancer therapy: synthesis, characterization, drug release, and interaction with a breast cancer cell line**
Akbal O., Erdal E., VURAL T., Kavaz D., DENKBAŞ E. B.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.45, ss.193-203, 2017 (SCI İndekslerine Giren Dergi)
- XXII. **Novel layer-by-layer self-assembled peptide nanocarriers for siRNA delivery**
BOZDOĞAN B., AKBAL Ö., ÇELİK E., Turk M., DENKBAŞ E. B.
RSC ADVANCES, cilt.7, ss.47592-47601, 2017 (SCI İndekslerine Giren Dergi)
- XXIII. **Antisense oligonucleotide delivery to cancer cell lines for the treatment of different cancer types**
KILIÇAY E., Erdal E., HAZER B., TÜRK M., DENKBAŞ E. B.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.44, ss.1938-1948, 2016 (SCI İndekslerine Giren Dergi)
- XXIV. **The effect of calcium chloride concentration on alginate/Fmoc-diphenylalanine hydrogel networks**
ÇELİK E., BAYRAM C., Akcapinar R., Turk M., DENKBAŞ E. B.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.66, ss.221-229, 2016 (SCI İndekslerine Giren Dergi)
- XXV. **Calcified and mechanically debilitated three-dimensional hydrogel environment induces hypertrophic trend in chondrocytes**
Celik E., BAYRAM C., Akcapinar R., Turk M., DENKBAŞ E. B.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.31, ss.498-512, 2016 (SCI İndekslerine Giren Dergi)
- XXVI. **Hemostatic activities of nano/microporous bilayer dressings in a femoral artery bleeding rat model**
KARAHALILOĞLU Z., DEMİRBİLEK M., Ulusoy I., GÜMÜŞKAYA ÖCAL B., DENKBAŞ E. B.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.133, 2016 (SCI İndekslerine Giren Dergi)
- XXVII. **Concanavaline A conjugated bacterial polyester-based PHBHx nanoparticles loaded with curcumin for breast cancer therapy**
KILIÇAY E., KARAHALILOĞLU Z., HAZER B., TEKİN İ. Ö., DENKBAŞ E. B.
JOURNAL OF MICROENCAPSULATION, cilt.33, ss.274-285, 2016 (SCI İndekslerine Giren Dergi)
- XXVIII. **Electrospun nanofiber reinforcement of dental composites with electromagnetic alignment approach**
Uyar T., ÇÖKELİLER D., Dugan M., KOÇUM İ. C. , Karatay O., DENKBAŞ E. B.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.62, ss.762-770, 2016 (SCI İndekslerine Giren Dergi)
- XXIX. **Design of Xylose-Based Semisynthetic Polyurethane Tissue Adhesives with Enhanced Bioactivity Properties**
Balcioglu S., PARLAKPINAR H., VARDI N., DENKBAŞ E. B. , Karaaslan M. G. , Gulgen S., TAŞLIDERE E., KÖYTEPE S., ATEŞ B.
ACS APPLIED MATERIALS & INTERFACES, cilt.8, ss.4456-4466, 2016 (SCI İndekslerine Giren Dergi)
- XXX. **Surface-modified bacterial nanofibrillar PHB scaffolds for bladder tissue repair**
KARAHALILOĞLU Z., DEMİRBİLEK M., ŞAM M., SAĞLAM N., Mizrak A. K. , DENKBAŞ E. B.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.44, ss.74-82, 2016 (SCI İndekslerine Giren Dergi)
- XXXI. **Evaluation of biocompatibility of random or aligned electrospun polyhydroxybutyrate scaffolds combined with human mesenchymal stem cells**
KOSE S., AERTS KAYA F. S. F. , DENKBAŞ E. B. , KORKUSUZ P., ÇETİNKAYA F. D.
TURKISH JOURNAL OF BIOLOGY, cilt.40, ss.410-419, 2016 (SCI İndekslerine Giren Dergi)
- XXXII. **Magnetically based nanocarriers in drug delivery**
DENKBAŞ E. B. , ÇELİK E., ERDAL E., Kavaz D., AKBAL VURAL Ö., KARA G., BAYRAM C.
NANOBIOMATERIALS IN DRUG DELIVERY: APPLICATIONS OF NANOBIOMATERIALS, VOL 9, cilt.9, ss.285-331, 2016 (SCI İndekslerine Giren Dergi)
- XXXIII. **Antibacterial Nanostructured Polyhydroxybutyrate Membranes for Guided Bone Regeneration**

- KARAHALİLOĞLU Z., ERCAN B., Taylor E. N. , Chung S., DENKBAŞ E. B. , Webster T. J.
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, cilt.11, ss.2253-2263, 2015 (SCI İndekslerine Giren Dergi)
- XXXIV. **Aligned bacterial PHBV nanofibrous conduit for peripheral nerve regeneration**
Demirbilek M., Sakar M., Karahaliloglu Z., Erdal E., YALCIN E., Bozkurt G., KORKUSUZ P., BİLGİÇ E., TEMUÇİN Ç. M. ,
DENKBAŞ E. B.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, cilt.43, ss.243-251, 2015 (SCI İndekslerine Giren Dergi)
- XXXV. **Preparation and In Vitro/In Vivo Evaluation of Cyclosporin A-Loaded Nanodecorated Ocular Implants for Subconjunctival Application**
PEHLIVAN S. B. , Yavuz B., ÇALAMAK S., ULUBAYRAM K., KAFFASHI A., VURAL İ., Cakmak H. B. , DURGUN M. E. ,
DENKBAŞ E. B. , UNLU N.
JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.104, ss.1709-1720, 2015 (SCI İndekslerine Giren Dergi)
- XXXVI. **Therapeutic potential of inhibiting ABCE1 and eRF3 genes via siRNA strategy using chitosan nanoparticles in breast cancer cells**
Cengiz B. B. , AŞIK M. D. , KARA G., TÜRK M., DENKBAŞ E. B.
JOURNAL OF NANOPARTICLE RESEARCH, cilt.17, 2015 (SCI İndekslerine Giren Dergi)
- XXXVII. **Silk fibroin/nylon-6 blend nanofilter matrix for copper removal from aqueous solution**
yalçın e., Gedikli S., ÇABUK A., KARAHALİLOĞLU Z., DEMİRBILEK M., BAYRAM C., ŞAM M., SAĞLAM N., DENKBAŞ E. B.
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, cilt.17, ss.921-934, 2015 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Downregulation of ABCE1 via siRNA affects the sensitivity of A549 cells against chemotherapeutic agents**
KARA G., Tuncer S., TÜRK M., DENKBAŞ E. B.
MEDICAL ONCOLOGY, cilt.32, 2015 (SCI İndekslerine Giren Dergi)
- XXXIX. **Nanofeatured silk fibroin membranes for dermal wound healing applications**
KARAHALİLOĞLU Z., ERCAN B., DENKBAŞ E. B. , Webster T. J.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, cilt.103, ss.135-144, 2015 (SCI İndekslerine Giren Dergi)
- XL. **Chlorogenic Acid Containing Bioinspired Polyurethanes: Biodegradable Medical Adhesive Materials**
ATEŞ B., KÖYTEPE S., Karaaslan M. G. , Balcioglu S., Gulgen S., DEMİRBILEK M., DENKBAŞ E. B.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, cilt.64, ss.611-619, 2015 (SCI İndekslerine Giren Dergi)
- XLI. **Nanostructured anti-bacterial poly-lactic-co-glycolic acid films for skin tissue engineering applications**
Karahaliloglu Z., Ercan B., Chung S., Taylor E., DENKBAŞ E. B. , Webster T. J.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, cilt.102, ss.4598-4608, 2014 (SCI İndekslerine Giren Dergi)
- XLII. **EFFECTS OF ABCE1 DOWN-REGULATION BY RNAi ON CHEMOSENSITIVITY OF LUNG CANCER CELLS**
KARA G., Tuncer S., TÜRK M., DENKBAŞ E. B.
ANTICANCER RESEARCH, cilt.34, ss.5986, 2014 (SCI İndekslerine Giren Dergi)
- XLIII. **The effect of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx) and human mesenchymal stem cell (hMSC) on axonal regeneration in experimental sciatic nerve damage**
Sakar M., KORKUSUZ P., DEMİRBILEK M., Cetinkaya D. U. , Arslan S., DENKBAŞ E. B. , TEMUÇİN Ç. M. , BİLGİÇ E.,
Hazer D. B. , Bozkurt G.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, cilt.124, ss.685-696, 2014 (SCI İndekslerine Giren Dergi)
- XLIV. **Polyhydroxybutyrate and Hydroxyvalerate Production by Bacillus megaterium Strain A1 Isolated from Hydrocarbon-Contaminated Soil**
Gungormedi G., Demirbilek M., Mutlu M. B. , DENKBAŞ E. B. , ÇABUK A.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.131, 2014 (SCI İndekslerine Giren Dergi)
- XLV. **Photocatalytic performance of melt-electrospun polypropylene fabric decorated with TiO2 nanoparticles**

- KARAHALILOĞLU Z., Hacker C., DEMİRBILEK M., Seide G., DENKBAŞ E. B. , Gries T.
JOURNAL OF NANOPARTICLE RESEARCH, cilt.16, 2014 (SCI İndekslerine Giren Dergi)
- XLVI. **Disposable pencil graphite electrode modified with peptide nanotubes for Vitamin B-12 analysis**
PALA B. B. , VURAL T., Kuralay F., CIRAK T., BOLAT G., ABACI S., DENKBAŞ E. B.
APPLIED SURFACE SCIENCE, cilt.303, ss.37-45, 2014 (SCI İndekslerine Giren Dergi)
- XLVII. **Functionally Modified, Melt-Electrospun Thermoplastic Polyurethane Mats for Wound-Dressing Applications**
Hacker C., KARAHALILOĞLU Z., Seide G., DENKBAŞ E. B. , Gries T.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.131, 2014 (SCI İndekslerine Giren Dergi)
- XLVIII. **Titania nanotubes with adjustable dimensions for drug reservoir sites and enhanced cell adhesion**
CALISKAN N., BAYRAM C., ERDAL E., KARAHALILOĞLU Z., DENKBAŞ E. B.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.35, ss.100-105, 2014 (SCI İndekslerine Giren Dergi)
- XLIX. **Osteoblast response on co-modified titanium surfaces via anodization and electrospinning**
BAYRAM C., DEMİRBILEK M., YALCIN E., Bozkurt M., Dogan M., DENKBAŞ E. B.
APPLIED SURFACE SCIENCE, cilt.288, ss.143-148, 2014 (SCI İndekslerine Giren Dergi)
- L. **Plasma polymerization-modified bacterial polyhydroxybutyrate nanofibrillar scaffolds**
KARAHALILOĞLU Z., DEMİRBILEK M., ŞAM M., Erol-Demirbilek M., SAĞLAM N., DENKBAŞ E. B.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.128, ss.1904-1912, 2013 (SCI İndekslerine Giren Dergi)
- LI. **Electrohydrodynamic Printing of Silk Fibroin**
BAYRAM C., Ahmad Z., DENKBAŞ E. B. , Stride E., Edirisinghe M. J.
MACROMOLECULAR RESEARCH, cilt.21, ss.339-342, 2013 (SCI İndekslerine Giren Dergi)
- LII. **Investigation of temperature sensitivity behaviors of water soluble polyacrylamides**
UĞUZDOĞAN E., DENKBAŞ E. B. , KABASAKAL O. S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.127, ss.4374-4384, 2013 (SCI İndekslerine Giren Dergi)
- LIII. **Preparation and Characterization of Magnetically Responsive Bacterial Polyester Based Nanospheres for Cancer Therapy**
ERDAL E., KAVAZ D., ŞAM M., DEMİRBILEK M., Demirbilek M. E. , SAĞLAM N., DENKBAŞ E. B.
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, cilt.8, ss.800-808, 2012 (SCI İndekslerine Giren Dergi)
- LIV. **Characterization and optimization of poly(3-hydroxybutyrate) produced by bacteria isolated from hydrocarbon polluted soil**
Gungormedi G., DEMİRBILEK M., ÇABUK A., MUTLU M. B. , ŞAM M., DENKBAŞ E. B.
NEW BIOTECHNOLOGY, cilt.29, 2012 (SCI İndekslerine Giren Dergi)
- LV. **Release of Magnetic Nanoparticles from Cell-Encapsulating Biodegradable Nanobiomaterials**
Xu F., Inci F., Mullick O., Gurkan U. A. , Sung Y., Kavaz D., Li B., DENKBAŞ E. B. , Demirci U.
ACS NANO, cilt.6, ss.6640-6649, 2012 (SCI İndekslerine Giren Dergi)
- LVI. **A PRACTICAL METHODOLOGY FOR IgG PURIFICATION VIA CHITOSAN BASED MAGNETIC NANOPARTICLES**
Kavaz D., Odabas S., DENKBAŞ E. B. , Vaseashta A.
DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, cilt.7, ss.1165-1177, 2012 (SCI İndekslerine Giren Dergi)
- LVII. **Osteoblast Activity on Anodized Titania Nanotubes: Effect of Simulated Body Fluid Soaking Time**
BAYRAM C., DEMİRBILEK M., CALISKAN N., Demirbilek M. E. , DENKBAŞ E. B.
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, cilt.8, ss.482-490, 2012 (SCI İndekslerine Giren Dergi)
- LVIII. **Comparative evaluation of cyclosporine A/HP beta CD-incorporated PLGA nanoparticles for development of effective ocular preparations**
AKSUNGUR AYDIN P., DEMİRBILEK M., DENKBAŞ E. B. , Unlu N.
JOURNAL OF MICROENCAPSULATION, cilt.29, ss.605-613, 2012 (SCI İndekslerine Giren Dergi)
- LIX. **Fabrication of Biomaterials via Controlled Protein Bubble Generation and Manipulation**
Ekemen Z., Chang H., Ahmad Z., BAYRAM C., Rong Z., DENKBAŞ E. B. , Stride E., Vadgama P., Edirisinghe M.
BIOMACROMOLECULES, cilt.12, ss.4291-4300, 2011 (SCI İndekslerine Giren Dergi)

- LX. **Preparation and characterization of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHX) based nanoparticles for targeted cancer therapy**
KILIÇAY E., DEMİRBILEK M., TÜRK M., GÜVEN E., HAZER B., DENKBAŞ E. B.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.44, ss.310-320, 2011 (SCI İndekslerine Giren Dergi)
- LXI. **Carbon nanotube-chitosan modified disposable pencil graphite electrode for Vitamin B-12 analysis**
KURALAY F., VURAL T., BAYRAM C., DENKBAŞ E. B., ABACI S.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.87, ss.18-22, 2011 (SCI İndekslerine Giren Dergi)
- LXII. **Oxidative Stress Parameters of L929 Cells Cultured on Plasma-Modified PDLA Scaffolds**
Demirbilek M. E., Demirbilek M., Karahaliloğlu Z., Erdal E., VURAL T., YALÇIN E., SAĞLAM N., DENKBAŞ E. B.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, cilt.164, ss.780-792, 2011 (SCI İndekslerine Giren Dergi)
- LXIII. **Development and characterization of Cyclosporine A loaded nanoparticles for ocular drug delivery: Cellular toxicity, uptake, and kinetic studies**
AKSUNGUR AYDIN P., DEMİRBILEK M., DENKBAŞ E. B., Vandervoort J., Ludwig A., Unlu N.
JOURNAL OF CONTROLLED RELEASE, cilt.151, ss.286-294, 2011 (SCI İndekslerine Giren Dergi)
- LXIV. **Acetylsalicylic Acid Loading and Release Studies of the PMMA-g-Polymeric Oils/Oily Acids Micro and Nanospheres**
KILIÇAY E., ÇAKMAKLI B., HAZER B., DENKBAŞ E. B., AÇIKGÖZ B.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.119, ss.1610-1618, 2011 (SCI İndekslerine Giren Dergi)
- LXV. **Antibacterial Agent Loaded Fungal Polymer for Use as a Wound Dressing**
GÜVEN E., ŞAM M., ERDAL E., KARAHALILOĞLU Z., GÜZEL CANDAN D., SAĞLAM N., DENKBAŞ E. B.
Hacettepe Journal of Biology and Chemistry, ss.297-303, 2011 (SCI Expanded İndekslerine Giren Dergi)
- LXVI. **Preparation and physical/electrochemical characterization of carbon nanotube-chitosan modified pencil graphite electrode**
VURAL T., KURALAY F., BAYRAM C., ABACI S., DENKBAŞ E. B.
APPLIED SURFACE SCIENCE, cilt.257, ss.622-627, 2010 (SCI İndekslerine Giren Dergi)
- LXVII. **In vitro biocompatibility of plasma-aided surface-modified 316L stainless steel for intracoronary stents**
BAYRAM C., Mizrak A. K., Akturk S., KURSAKLIOĞLU H., İYISOY A., İFRAN A., DENKBAŞ E. B.
BIOMEDICAL MATERIALS, cilt.5, 2010 (SCI İndekslerine Giren Dergi)
- LXVIII. **Fetal Allogeneic Umbilical Cord Cell Transplantation Improves Motor Function in Spinal Cord-Injured Rats**
Erdogan B., Bavbek M., Sahin I. F., Caner H., ÖZEN Ö., DENKBAŞ E. B., ALTINÖRS M. N.
TURKISH NEUROSURGERY, cilt.20, ss.286-294, 2010 (SCI İndekslerine Giren Dergi)
- LXIX. **The use of polyethyleneglycolmethacrylate-co-vinylimidazole (PEGMA-co-VI) microspheres for the removal of nickel(II) and chromium(VI) ions**
UĞUZDOĞAN E., DENKBAŞ E. B., KABASAKAL O. S.
JOURNAL OF HAZARDOUS MATERIALS, cilt.177, ss.119-125, 2010 (SCI İndekslerine Giren Dergi)
- LXX. **Bleomycin Loaded Magnetic Chitosan Nanoparticles as Multifunctional Nanocarriers**
Kavaz D., Odabas S., GÜVEN E., DEMİRBILEK M., DENKBAŞ E. B.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.25, ss.305-318, 2010 (SCI İndekslerine Giren Dergi)
- LXXI. **Preparation and characterization of polyethyleneglycolmethacrylate (PEGMA)-co-vinylimidazole (VI) microspheres to use in heavy metal removal**
UĞUZDOĞAN E., DENKBAŞ E. B., Oeztuerk E., TUNCEL S. A., KABASAKAL O. S.
JOURNAL OF HAZARDOUS MATERIALS, cilt.162, ss.1073-1080, 2009 (SCI İndekslerine Giren Dergi)
- LXXII. **NANOTECHNOLOGY IN MEDICINE AND HEALTH SCIENCES**
DENKBAŞ E. B., Vaseashta A.
NANO, cilt.3, ss.263-269, 2008 (SCI İndekslerine Giren Dergi)
- LXXIII. **Preparation and characterization of triamcinolone acetonide-loaded poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHx) microspheres**
BAYRAM C., DENKBAŞ E. B., Kilicay E., Hazer B., ÇAKMAK H. B., NODA I.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.23, ss.334-347, 2008 (SCI İndekslerine Giren Dergi)

- LXXIV. **Antimicrobial activity of cefazolin-impregnated mesh grafts**
KILIC D., AGALAR C., OZTURK E., Denkbas E. B. , CIME A., AGALAR F.
ANZ JOURNAL OF SURGERY, cilt.77, ss.256-260, 2007 (SCI İndekslerine Giren Dergi)
- LXXV. **Inhibition of Staphylococcus epidermidis colonization with fusidic acid-impregnated catheters**
AGALAR C., KILIC D., CEKEN S., OZDOGAN M., YASAR E., OZTURK E., Denkbas E. B.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.22, ss.160-173, 2007 (SCI İndekslerine Giren Dergi)
- LXXVI. **POLY 652-Alginate/chitosan polyionic complexes with different geometries to be used in drug delivery and tissue engineering applications**
DENKBAŞ E. B.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.232, 2006 (SCI İndekslerine Giren Dergi)
- LXXVII. **Preparation and characterization of thermosensitive submicron particles for gene delivery**
OEZDEMİR N., TUNCEL A., KANG M., Denkbas E. B.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, cilt.6, ss.2804-2810, 2006 (SCI İndekslerine Giren Dergi)
- LXXVIII. **POLY 426-Preparation and characterization of biodegradable nanoparticles for targeted cancer therapy**
ÖZTÜRK E., DENKBAŞ E. B. , Berestein G. L.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.232, 2006 (SCI İndekslerine Giren Dergi)
- LXXIX. **Perspectives on: Chitosan drug delivery systems based on their geometries**
Denkbas E. B. , Ottenbrite R. M.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.21, ss.351-368, 2006 (SCI İndekslerine Giren Dergi)
- LXXX. **Gold and gold-palladium coated polypropylene grafts in a S-epidermidis wound infection model**
SAYGUN O., AGALAR C., AYDINURAZ K., Agalar F., DAPHAN C., SAYGUN M., CEKEN S., AKKUS A., Denkbas E. B.
JOURNAL OF SURGICAL RESEARCH, cilt.131, ss.73-79, 2006 (SCI İndekslerine Giren Dergi)
- LXXXI. **Chitosan-coated alginate membranes for cultivation of limbal epithelial cells to use in the restoration of damaged corneal surfaces**
OZTURK E. B. , ERGUN M., OZTURK Z., NUROZLER A., KECECI K., OZDEMİR N., Denkbas E. B.
INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, cilt.29, ss.228-238, 2006 (SCI İndekslerine Giren Dergi)
- LXXXII. **A new temperature-sensitive polymer: Poly(ethoxypropylacrylamide)**
UGUZDOGAN E., CAMLI T., KABASAKAL O., PATIR S., OZTURK E., Denkbas E. B. , TUNCEL A.
EUROPEAN POLYMER JOURNAL, cilt.41, ss.2142-2149, 2005 (SCI İndekslerine Giren Dergi)
- LXXXIII. **Preparation and characterization of Mitomycin-C loaded chitosan-coated alginate microspheres for chemoembolization**
MISIRLI Y., OZTURK E., KURSAKLIOGLU H., Denkbas E. B.
JOURNAL OF MICROENCAPSULATION, cilt.22, ss.167-178, 2005 (SCI İndekslerine Giren Dergi)
- LXXXIV. **Norfloxacin-loaded chitosan sponges as wound dressing material**
Denkbas E. B. , OZTURK E., OZDEMİR N., KECECI K.
JOURNAL OF BIOMATERIALS APPLICATIONS, cilt.18, ss.291-303, 2004 (SCI İndekslerine Giren Dergi)
- LXXXV. **Mitomycin-C-loaded alginate carriers for bladder cancer chemotherapy**
Denkbas E. B. , OZDEMYR N., OZTURK E., EROGLU M., ACAR A.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.19, ss.33-44, 2004 (SCI İndekslerine Giren Dergi)
- LXXXVI. **Bioadhesive drug carriers for postoperative chemotherapy in bladder cancer**
OZTURK E., EROGLU M., OZDEMİR N., Denkbas E. B.
BIOMATERIALS: FROM MOLECULES TO ENGINEERED TISSUES, cilt.553, ss.231-242, 2004 (SCI İndekslerine Giren Dergi)
- LXXXVII. **Stimuli-responsive properties of aminophenylboronic acid-carrying thermosensitive copolymers**
UGUZDOGAN E., KAYI H., Denkbas E. B. , PATIR S., TUNCEL A.
POLYMER INTERNATIONAL, cilt.52, ss.649-657, 2003 (SCI İndekslerine Giren Dergi)
- LXXXVIII. **EGF loaded chitosan sponges as wound dressing material**
Denkbas E. B. , OZTURK E., OZDEMİR N., KECECI K., ERGUN M.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.18, ss.177-190, 2003 (SCI İndekslerine Giren Dergi)
- LXXXIX. **Human serum albumin (HSA) adsorption with chitosan microspheres**

- Denkbas E. B. , ODABASI M., KILICAY E., OZDEMIR N.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.86, ss.3035-3039, 2002 (SCI İndekslerine Giren Dergi)
- XC. **RNA-Sensitive N-isopropylacrylamide/vinylphenylboronic acid random copolymer**
UGUZDOGAN E., Denkbas E. B. , TUNCEL A.
MACROMOLECULAR BIOSCIENCE, cilt.2, ss.214-222, 2002 (SCI İndekslerine Giren Dergi)
- XCI. **Design and evaluation of a mucoadhesive therapeutic agent delivery system for postoperative chemotherapy in superficial bladder cancer**
EROGLU M., IRMAK S., ACAR A., Denkbas E. B.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, cilt.235, ss.51-59, 2002 (SCI İndekslerine Giren Dergi)
- XCII. **Magnetic chitosan microspheres: preparation and characterization**
Denkbas E. B. , KILICAY E., BIRLIKSEVEN C., OZTURK E.
REACTIVE & FUNCTIONAL POLYMERS, cilt.50, ss.225-232, 2002 (SCI İndekslerine Giren Dergi)
- XCIII. **Interaction of cultured chondrocytes with chitosan scaffold**
SENKOYLU A., SIMSEK A. B. , SAHIN F., MENEVSE S., OZOGUL C., Denkbas E. B. , PISKIN E.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.16, ss.136-144, 2001 (SCI İndekslerine Giren Dergi)
- XCIV. **Implantable 5-fluorouracil loaded chitosan scaffolds prepared by wet spinning**
Denkbas E. B. , SEYYAL M., PISKIN E.
JOURNAL OF MEMBRANE SCIENCE, cilt.172, ss.33-38, 2000 (SCI İndekslerine Giren Dergi)
- XCV. **Chitosan microspheres and sponges: Preparation and characterization**
Denkbas E. B. , ODABASI M.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.76, ss.1637-1643, 2000 (SCI İndekslerine Giren Dergi)
- XCVI. **5-fluorouracil loaded chitosan microspheres for chemoembolization**
Denkbas E. B. , SEYYAL M., PISKIN E.
JOURNAL OF MICROENCAPSULATION, cilt.16, ss.741-749, 1999 (SCI İndekslerine Giren Dergi)
- XCVII. **Embolization with polyhydroxybutyrate (PHB) microspheres: In-vivo studies**
KASSAB A., PISKIN E., BILGIC S., Denkbas E. B. , XU K.
JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, cilt.14, ss.291-303, 1999 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **The effect of the nanofilled adhesive systems on shear bond strength of all ceramics to dentin**
KEYF F., ÖZLÜ Ş., VURAL T., DENKBAŞ E. B.
SRM Journal of Research in Dental Sciences, cilt.6, ss.75-81, 2015 (Diğer Kurumların Hakemli Dergileri)
- II. **Preparation and Characterization of Polyhydroxybutyrate Scaffolds to be Used in Tissue Engineering Applications**
GÜVEN E., DEMİRBILEK M., SAĞLAM N., KARAHALİLOĞLU Z., ERDAL E., BAYRAM C., DENKBAŞ E. B.
Hacettepe Journal of Biology and Chemistry, cilt.4, ss.305-311, 2008 (Diğer Kurumların Hakemli Dergileri)

Kitap & Kitap Bölümleri

- I. **Nanotechnology in Sports Medicine**
BAYRAM C., Işık C., DENKBAŞ E. B.
Sports Injuries Prevention Diagnosis Treatment and Rehabilitation, Mahmut Nedim Doral; Jon Karlsson, Editör,
Springer, ss.3195-3202, 2015

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Biosynthesis of metallic nanoparticles: A comparative optimization study for plant leaf extracts and**

their biological assays

Korpe D. A. , Iseri O. D. , DUMAN M., DENKBAŞ E. B. , ŞAHİN F. İ. , Haberal M.
European Biotechnology Conference, Letonya, 5 - 07 Mayıs 2016, cilt.231

- II. **Porous Thermoplastic Polyurethane Films by Breath Figure Approach**
DABAN G., BAYRAM C., DEMİRBİLEK M., DENKBAŞ E. B.
MACRO 2016 WORLD POLYMER CONGRESS, 17 - 21 Temmuz 2016
- III. **Effect of Alginate Incorporated Fmoc FF Hydrogels on Chondrocyte Behavior**
ÇELİK E., BAYRAM C., AKÇAPINAR R., TÜRK M., DENKBAŞ E. B.
TERMIS 4th World Congress, 8 - 11 Eylül 2015, ss.227
- IV. **Effect of Alginate Incorporated Fmoc-FF Hydrogels on Chondrocyte Behaviour**
ÇELİK E. E. , BAYRAM C., Akcapinar R., Turk M., DENKBAŞ E. B.
4th TERMIS World Congress, Massachusetts, Amerika Birleşik Devletleri, 8 - 11 Eylül 2015, cilt.21
- V. **Ciliates in Nanotechnology A Separation Experiment by Using Magnetic Nanoparticles**
Eyice N. D. , KAVAZ D., DEMİRBİLEK M., DENKBAŞ E. B. , ÇAPAR DİNÇER S.
Nano TR VIII, 8th Nanotechnology Congress, Ankara, Türkiye, 25 - 28 Haziran 2012
- VI. **Nanoplatfoms for Detection, Remediation and Protection Against Chem-Bio Warfare Nanoplatfoms A gainst Chem-Bio Warfare**
DENKBAŞ E. B. , BAYRAM C., Kavaz D., Cirak T., DEMİRBİLEK M.
Conference on Technological Innovations in Detection and Sensing of Chemical, Biological, Radiological, Nuclear Threats and Ecological Terrorism, Chisinau, Moldova, 6 - 17 Haziran 2010, ss.191-203
- VII. **THE EFFECT OF POLY(3-HYDROXYBUTYRATE-CO-3-HYDROXYHEXANOATE)(PHBHHX) AND HUMAN MESENCHYMAL STEM CELL (hMSC) ON AXONAL REGENERATION IN EXPERIMENTAL SCIATIC NERVE DAMAGE**
Sakar M., KORKUSUZ P., Cetinkaya D., DENKBAŞ E. B. , TEMUÇİN Ç. M. , Hazer D. B. , Bozkurt G.
29th Annual National Neurotrauma Symposium, Florida, Amerika Birleşik Devletleri, 10 - 13 Temmuz 2011, cilt.28
- VIII. **PREPARATION OF MAGNETIC CHITOSAN NANOPARTICLES FOR DIVERSE BIOMEDICAL APPLICATIONS**
Kavaz D., Cirak T., ÖZTÜRK E., BAYRAM C., DENKBAŞ E. B.
NATO Advanced Study Institute on Functionalized Nanoscale Materials, Devices and Systems for Chem-Bio Sensors, Photonics and Energy Generation and Storage, Sinaia, Romanya, 4 - 15 Haziran 2007, ss.313-320

Desteklenen Projeler

- DENKBAŞ E. B. , Yükseköğretim Kurumları Destekli Proje, Enjekte Edilebilir ve Biyobozunabilir Hidrojellerin Geliştirilmesi, 2014 - Devam Ediyor
- VURAL T., ÇELİK E., BAYRAM C., DENKBAŞ E. B. , Yükseköğretim Kurumları Destekli Proje, Artiküler kırık taklitçisi istiflenmiş hidrojel yapılarının kondrosit farklılaşmasına etkisinin araştırılması, 2016 - 2018
- DENKBAŞ E. B. , Yükseköğretim Kurumları Destekli Proje, Aterosklerotik Plakların Teşhis ve Tedavisinde Kullanılmak Üzere Biyokimyasal Olarak Modifiye Edilmiş Nanoplatformların Hazırlanması ve Karakterizasyonu, 2013 - 2017
- DENKBAŞ E. B. , Yükseköğretim Kurumları Destekli Proje, Bilimsel Araştırmaların Merkezi Merkezi Araştırma Laboratuvarı, 2016 - 2016
- DENKBAŞ E. B. , Yükseköğretim Kurumları Destekli Proje, DREXEL ÜNİVERSİTESİ - HACETTEPE ÜNİVERSİTESİ BİLİMSEL İŞBİRLİKLERİ KAPSAMINDA TEKNİK ZİYARET, 2015 - 2016
- DENKBAŞ E. B. , BAYRAM C., ÇELİK E., Yükseköğretim Kurumları Destekli Proje, Kırık dokusunun takliti için üç boyutlu in vitro hidrojel modellerinin geliştirilmesi, 2015 - 2016
- GÜLER TEZEL Y. G. , DENKBAŞ E. B. , Yükseköğretim Kurumları Destekli Proje, Moleküler Patoloji Uygulama Araştırma Merkezinin Yapılandırılması, 2015 - 2016
- ÇELİKBAÇAK Ö., DENKBAŞ E. B. , BAYRAM C., AYDIN DEDE E. E. , Yükseköğretim Kurumları Destekli Proje, İleri Teknolojilerde Ticarileşme Stratejileri, 2015 - 2015
- DENKBAŞ E. B. , Yükseköğretim Kurumları Destekli Proje, Prostat Spesifik Antijenin Elektrokimyasal Teşhisinde Kullanılmak Üzere Peptit Nanotüp Modifiyeli Elektrotların Geliştirilmesi, 2014 - 2015

Atıflar

Toplam Atıf Sayısı (WOS):1934

h-indeksi (WOS):23