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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. **Prevention of urinary infection through the incorporation of silver-ricinoleic acid-polystyrene nanoparticles on the catheter surface**
Koc H., Kilicay E., KARAHALİLOĞLU Z., Hazer B., DENKBAŞ E. B.
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- II. **The preparation of chitosan membrane improved with nanoparticles based on unsaturated fatty acid for using in cancer-related infections**
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- III. **Potent bioactive bone cements impregnated with polystyrene-g-soybean oil-AgNPs for advanced bone tissue applications**
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- IV. **Designing siRNA-conjugated plant oil-based nanoparticles for gene silencing and cancer therapy**
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- V. **Porous polyurethane film fabricated via the breath figure approach for sustained drug release**
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- VII. **Experimental Exploration of Thermostable Poly (-Hydroxybutyrates) by Geobacillus kaustophilus**

Using Box-Behnken Design

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- VIII. **Saponin loaded montmorillonite-human serum albumin nanocomposites as drug delivery system in colorectal cancer therapy**
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- IX. **Development of Titania Nanotube-based Electrochemical Immunosensor and Determination of Prostate Specific Antigen**
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- X. **Peptide nanoparticles (PNPs) modified disposable platform for sensitive electrochemical cytosensing of DLD-1 cancer cells**
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- XI. **Synthesis and comparison of crosslinked peptide nanoparticles based on diphenylalanine derivatives**
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- XII. **Sensitive electrochemical detection of fenitrothion pesticide based on self-assembled peptide-nanotubes modified disposable pencil graphite electrode**
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- XIII. **Electrochemical immunoassay for detection of prostate specific antigen based on peptide nanotube-gold nanoparticle-polyaniline immobilized pencil graphite electrode**
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- XIV. **Optimization of hyaluronic acid production and its cytotoxicity and degradability characteristics**
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- XV. **Enhanced antitumor activity of epigallocatechin gallate-conjugated dual-drug-loaded polystyrene-polysoyaoil-diethanol amine nanoparticles for breast cancer therapy**
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- XVI. **Magnetic silk fibroin e-gel scaffolds for bone tissue engineering applications**
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- XVIII. **Active nano/microbilayer hemostatic agents for diabetic rat bleeding model**
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- XIX. **The effect of thymoquinone coating on adhesive properties of polypropylene mesh**
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- XX. **Antibacterial chitosan/silk sericin 3D porous scaffolds as a wound dressing material**

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- XXVIII. **Concanavaline A conjugated bacterial polyester-based PHBHHx nanoparticles loaded with curcumin for breast cancer therapy**
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- XXIX. **Electrospun nanofiber reinforcement of dental composites with electromagnetic alignment approach**
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- XXXII. **Evaluation of biocompatibility of random or aligned electrospun polyhydroxybutyrate scaffolds combined with human mesenchymal stem cells**

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- XXXIII. **Magnetically based nanocarriers in drug delivery**
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- XXXIV. **Antibacterial Nanostructured Polyhydroxybutyrate Membranes for Guided Bone Regeneration**
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- XXXV. **Preparation and in vitro/in vivo evaluation of cyclosporin A-loaded nanodecorated ocular implants for subconjunctival application**
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- XXXVI. **Aligned bacterial PHBV nanofibrous conduit for peripheral nerve regeneration**
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- XXXVII. **Therapeutic potential of inhibiting ABCE1 and eRF3 genes via siRNA strategy using chitosan nanoparticles in breast cancer cells**
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- XXXVIII. **Silk fibroin/nylon-6 blend nanofilter matrix for copper removal from aqueous solution**
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- XL. **Chlorogenic Acid Containing Bioinspired Polyurethanes: Biodegradable Medical Adhesive Materials**
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- XLI. **Nanofeatured silk fibroin membranes for dermal wound healing applications**
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- XLII. **Nanostructured anti-bacterial poly-lactic-co-glycolic acid films for skin tissue engineering applications**
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- XLVII. **Disposable pencil graphite electrode modified with peptide nanotubes for Vitamin B-12 analysis**
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- LVI. **Release of Magnetic Nanoparticles from Cell-Encapsulating Biodegradable Nanobiomaterials**
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