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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Biyomühendislik, Turkey 1990 - 1994

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 1987 - 1989

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 1983 - 1987

Research Areas

Biomedical Engineering, Clinical Engineering, Clinical Engineering, Metallurgical and Materials Engineering, Material science and engineering, Biomaterials, Nanomaterials, Engineering and Technology

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Prevention of urinary infection through the incorporation of silver-ricinoleic acid-polystyrene nanoparticles on the catheter surface**
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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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- VII. **Experimental Exploration of Thermostable Poly (-Hydroxybutyrates) by Geobacillus kaustophilus**

Using Box-Behnken Design

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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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- 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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- XX. **Antibacterial chitosan/silk sericin 3D porous scaffolds as a wound dressing material**
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Balcioglu S., PARLAKPINAR H., VARDI N., DENKBAŞ E. B., Karaaslan M. G., Gulgen S., TAŞLIDERE E., KÖYTEPE S., ATEŞ B.
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- XLV. **Photocatalytic performance of melt-electrospun polypropylene fabric decorated with TiO₂ nanoparticles**

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