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### Education Information

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

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

Under Graduate, 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. **The preparation of chitosan membrane improved with nanoparticles based on unsaturated fatty acid for using in cancer-related infections**  
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JOURNAL OF BIOACTIVE AND COMPATIBLE POLYMERS, vol.35, pp.328-350, 2020 (Journal Indexed in SCI)
- II. **Potent bioactive bone cements impregnated with polystyrene-g-soybean oil-AgNPs for advanced bone tissue applications**  
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- IV. **Porous polyurethane film fabricated via the breath figure approach for sustained drug release**  
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- V. **Transscleral Delivery of Bevacizumab-Loaded Chitosan Nanoparticles**  
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JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, vol.15, pp.830-838, 2019 (Journal Indexed in SCI)
- VI. **Experimental Exploration of Thermostable Poly (-Hydroxybutyrates) by Geobacillus kaustophilus Using Box-Behnken Design**  
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- VII. **Saponin loaded montmorillonite-human serum albumin nanocomposites as drug delivery system in**

## **colorectal cancer therapy**

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- VIII. **Development of Titania Nanotube-based Electrochemical Immunosensor and Determination of Prostate Specific Antigen**  
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- 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.  
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- X. **Synthesis and comparison of crosslinked peptide nanoparticles based on diphenylalanine derivatives**  
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- XIII. **Optimization of hyaluronic acid production and its cytotoxicity and degradability characteristics**  
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- XIV. **Enhanced antitumor activity of epigallocatechin gallate-conjugated dual-drug-loaded polystyrene-polysoyaoil-diethanol amine nanoparticles for breast cancer therapy**  
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- XV. **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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- ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.45, pp.1172-1185, 2017 (Journal Indexed in SCI)
- XXI. **Comparison of protein- and polysaccharide-based nanoparticles for cancer therapy: synthesis, characterization, drug release, and interaction with a breast cancer cell line**  
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- 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.  
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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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