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### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Mühendislik Fakültesi, Türkiye 1992 - Devam Ediyor

Yüksek Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Türkiye 1986 - Devam Ediyor

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Türkiye 1985 - Devam Ediyor

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, Hemoperfüzyon için spesifik sorbentler, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1992

Yüksek Lisans, Phema-BGA bazlı matrislerden 5-fluorouracilin kontrollü salınımı, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1986

### Araştırma Alanları

Kimya Mühendisliği ve Teknolojisi , Biyoteknoloji, Biyoproses Ayrırma İşlemleri, Kimya, Biyokimya, Aminoasitler, Protein Kimyası, Temel Bilimler, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

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- XLII. **Recent Advances of Optical Sensors for Copper Ion Detection**  
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- XLIII. **Metal-chelated polyamide hollow fiber membranes for ovalbumin purification from egg white**  
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- XLIV. **Fab fragment immobilized immunoaffinity cryogels as a tool for human serum albumin purification: Characterization of Fab immobilized cryogels**  
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- XLV. **Selective Amplification of Plasmonic Sensor Signal for Cortisol Detection Using Gold Nanoparticles**  
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- XLVII. **Molecularly imprinted polymer film based plasmonic sensors for detection of ochratoxin A in dried fig**  
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- XLVIII. **Patulin Imprinted Nanoparticles Decorated Surface Plasmon Resonance Chips for Patulin Detection**  
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- XLIX. **Preparation of magnetic nanoparticles-assisted plasmonic biosensors with metal affinity for interferon-alpha detection**  
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- LI. **Development of ion imprinted based magnetic nanoparticles for selective removal of arsenic (III) and arsenic (V) from wastewater**  
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- LII. **Nanoscale SPR sensor for the ultrasensitive detection of the ovarian cancer marker carbohydrate antigen 125**  
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- LIII. **Sensitive and real-time detection of IgG using interferometric reflecting imaging sensor system**  
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- LIV. **Recent Advances in Quartz Crystal Microbalance Biosensors Based on the Molecular Imprinting Technique for Disease-Related Biomarkers**  
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- LV. **Gold-Modified Molecularly Imprinted N-Methacryloyl-(1)-phenylalanine-containing Electrodes for Electrochemical Detection of Dopamine**  
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- LIX. **Polyethylenimine-functionalized microcryogels for controlled release of diclofenac sodium**  
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- LX. **Determination of multi-pesticide residues in honey with a modified QuEChERS procedure followed by LC-MS/MS and GC-MS/MS**  
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- LXI. **Recognition of human hemoglobin with macromolecularly imprinted polymeric nanoparticles using non-covalent interactions**  
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- LXII. **S-citalopram imprinted monolithic columns for capillary electrochromatography enantioseparations**  
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- LXIII. **Amino acid functionalized macroporous gelatin cryogels: Characterization and effects on cell proliferation**  
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- LXVIII. **Real-Time Detection of Fibrinogen via Imprinted Recognition Sites**  
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- LXIX. **Surface Plasmon Resonance-Based Immunosensor for Igm Detection with Gold Nanoparticles**  
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- LXX. **Binding modes of cibacron blue with albumin in affinity chromatography using docking tools**  
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- LXXI. **Optical Sensor-Based Molecular Imprinted Poly(Hydroxyethyl Methacrylate-N-Methacryloyl-(L)-Histidine Methyl ester) Thin Films for Determination of Tartrazine in Fruit Juice**  
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- LXXII. **Injectable Cryogels in Biomedicine**  
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- LXXIV. **Quartz Crystal Microbalance (QCM) Based Biosensor Functionalized by HER2/neu Antibody for Breast Cancer Cell Detection**  
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- LXXVI. **Molecular docking of metal ion immobilized ligands to proteins in affinity chromatography**  
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- LXXVII. **Surface Plasmon Resonance Based on Molecularly Imprinted Polymeric Film for l-Phenylalanine Detection**  
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- LXXVIII. **Laccase bound to cryogel functionalized with phenylalanine for the decolorization of textile dyes**  
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- LXXXV. **Detection of amoxicillin residues in egg extract with a molecularly imprinted polymer on gold microchip using surface plasmon resonance and quartz crystal microbalance methods**  
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- XC.I. **Lanthanide [Terbium(III)]-Doped Molecularly Imprinted Nanoarchitectures for the Fluorimetric Detection of Melatonin**  
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- XCII. **Molecularly imprinted cryogel cartridges for the selective recognition of tyrosine**  
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- XCIII. **A composite of imprinted polypyrrole beads and reduced graphene oxide for specific electrochemical sensing of atrazine in complex matrices**  
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- XCIV. **Adenosine-imprinted magnetic core-shell polyvinylbutyral microbeads for quantification of adenosine in plasma**  
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- XC.VI. **Molecularly imprinted polymer integrated plasmonic nanosensor for cocaine detection**  
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- XC.VII. **Biomimetic Nanoparticles Based Surface Plasmon Resonance Biosensors for Histamine Detection in Foods**  
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- XC.VIII. **Electrochromatographic separation of hydrophobic amino acid enantiomers by molecularly imprinted capillary columns**  
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- CII. **Rapid and sensitive detection of synthetic cannabinoids JWH-018, JWH-073 and their metabolites using molecularly imprinted polymer-coated QCM nanosensor in artificial saliva**  
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- CV. **Poly(Hydroxyethyl Methacrylate) Immunoaffinity Cryogel Column for the Purification of Human Immunoglobulin M**  
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- CVI. **A dye-affinity cryogel membrane for malate dehydrogenase purification from *Saccharomyces cerevisiae***  
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- CVII. **Surface-imprinted silica particles for Concanavalin A purification from *Canavalia ensiformis***  
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- CVIII. **Preparation, characterization, and binding profile of imprinted semi-IPN cryogel composite for aluminum**  
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- CX. **Ag<sup>+</sup> ions imprinted cryogels for selective removal of silver ions from aqueous solutions**  
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- CXIV. **Combined protein A imprinting and cryogelation for production of spherical affinity material**  
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- CXVI. **Polymethacryloyl-L-Phenylalanine [PMAPA]-Based Monolithic Column for Capillary Electrochromatography**  
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- CXXI. **Molecularly imprinted based surface plasmon resonance nanosensors for microalbumin detection**  
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- CXXII. **Molecularly imprinted poly(N-isopropylacrylamide) thermosensitive based cryogel for immunoglobulin G purification**  
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- CXXIII. **Immunoaffinity microcryogels for purification of transferrin**  
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## **cryogel**

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## microspheres

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## Desteklenen Projeler

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## Metrikler

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