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### Eğitim Bilgileri

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### Araştırma Alanları

Kimya, Analitik Kimya, Biyoanalitik Yöntemler, Elektroanalitik Yöntemler, Sensörler, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2021 - Devam Ediyor

Doç. Dr., Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2019 - 2021

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. The role of nanoparticles in non-invasive electrochemical immunosensor technology and recent developments**  
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- II. Atomic layer deposited zinc oxide thin film on pencil graphite for DNA sensor applications**  
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- IV. Catalytic Au/PEDOT/Pt micromotors for cancer biomarker detection and potential breast cancer treatment**  
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- VIII. **Platinum nanoparticles loaded carbon black: reduced graphene oxide hybrid platforms for label-free electrochemical DNA and oxidative DNA damage sensing**  
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- IX. **Nucleic Acid Integrated Technologies for Electrochemical Point-of-Care Diagnostics: A Comprehensive Review**  
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- X. **Graphene supported poly(3-aminophenylboronic acid) surface via constant potential electrolysis for facile and sensitive paracetamol determination**  
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- XI. **Chitosan functionalized gold-nickel bimetallic magnetic nanomachines for motion-based deoxyribonucleic acid recognition**  
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- XII. **A novel design thia-bilane structure-based molecular imprinted electrochemical sensor for sensitive and selective dopamine determination**  
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- XIII. **Designing functional materials: DNA/Poly(3,4-ethylenedioxythiophene) interfaces for advanced DNA direct electrochemistry and DNA-Drug interaction detection**  
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- XIV. **MoS<sub>2</sub>/Chitosan/GOx-Gelatin modified graphite surface: Preparation, characterization and its use for glucose determination**  
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- XV. **Electrochemical Determination of Mitomycin C and Its Interaction with Double-Stranded DNA Using a Poly(o-phenylenediamine)-Multi-Walled Carbon Nanotube Modified Pencil Graphite Electrode**  
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- XVI. **Gold-Nickel Nanowires as Nanomotors for Cancer Marker Biodetection and Chemotherapeutic Drug Delivery**  
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- XIX. **Ultrathin polypyrrole films on self-assembled monolayers as an efficient ultramicroelectrode assay**  
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- XX. **Direct Electrochemistry and Sensitive Detection of Guanosine on Nanopolymeric Surfaces Bearing Boronic Acid Groups**  
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- XXI. **Polypyrrole-Based Nanohybrid Electrodes: Their Preparation and Potential Use for DNA Recognition and Paclitaxel Quantification**  
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- XXXIX. **Interaction of Mitomycin C with DNA Immobilized onto Single-walled Carbon Nanotube/Polymer Modified Pencil Graphite Electrode**  
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## Kitap & Kitap Bölümleri

- I. **Chapter 15: Multifunctional therapeutic hybrid nanocarriers for targeted and triggered drug delivery: recent trends and future prospects**  
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## Metrikler

Yayın: 51

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## Ödüller

Kuralay F., TÜBİTAK Teşvik Ödülü-2017, Tübitak, Aralık 2018

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