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Yoksis Araştırmacı ID: 134071

Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Türkiye 1999 - 2004

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Türkiye 1996 - 1999

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Bölümü, Türkiye 1990 - 1996

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Gazi Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2014 - Devam Ediyor

Doç. Dr., Gazi Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2008 - 2014

Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Gazi Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2021

Gazi Üniversitesi, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2016 - 2018

Verdiği Dersler

General Chemistry, Lisans, 2021 - 2022

General Chemistry, Lisans, 2019 - 2020

Yönetilen Tezler

- TAMER U., Escherichia coli tayini için yatay akış immünoassay platformlarının geliştirilmesi, Yüksek Lisans, A.GÜMÜŞTAŞ(Öğrenci), 2019
- TAMER U., Kağıt Tabanlı Mikro Akışkan Çiplerin Geliştirilmesi; Kan Matriksinde Glikoz Ve Kanser Biyobelirteç Tayini, Doktora, H.Torul(Öğrenci), 2016
- TAMER U., Toplam Protein Tayininde Nanopartikül Tabanlı Yeni Analiz Sistemlerinin Geliştirilmesi, Yüksek Lisans, M.Eryılmaz(Öğrenci), 2014
- TAMER U., BAKTERİ TAYİNİ İÇİN NANOPARTİKÜL TABANLI SENSÖR GELİŞTİRİLMESİ, Yüksek Lisans, E.TEMÜR(Öğrenci), 2010
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Jüri Üyelikleri

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Erciyes University, Aralık, 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Phage probe on RAFT polymer surface for rapid enumeration of E. coli K12**
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- II. **UV-ozone treated glass fiber based lateral flow DNA extraction platform integrated with LAMP for rapid detection of pathogen bacteria in whole blood**
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- III. **Principles, Methods, and Real-Time Applications of Bacteriophage-Based Pathogen Detection**
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Molecular Biotechnology, cilt.66, sa.11, ss.3059-3076, 2024 (SCI-Expanded)
- IV. **New polymer brush-coated monodisperse magnetic nanoparticles prepared via interface-mediated RAFT polymerization for high-throughput DNA extraction from pathogen bacteria**
Özkan Hüküm K., Tezcan T., Salmanlı E., Tamer U.
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.333, ss.1-10, 2024 (SCI-Expanded)
- V. **Estimation of time since deposition of semen stain on different fabric types using ATR-FTIR spectroscopy and chemometrics**
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- VI. **Identification of blood at simulated crime scenes using silver nanoparticles with SERS**
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- VII. **Microfluidic platforms based on SERS imaging and their point-of-care applications**
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- VIII. **Platform-agnostic electrochemical sensing app and companion potentiostat**
Manoharan V., Rodrigues R., Sadati S., Swann M. J., Freeman N., Du B., YILDIRIM E., TAMER U., Arvanitis T. N., Isakov D., et al.
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- IX. **The effect of silencing the Tip60 gene on the response to radiotherapy in breast cancer cells**
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- X. **A simple gradient centrifugation method for bacteria detection in skim milk**
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- XI. **Microfluidic-based blood immunoassays**
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- XII. **Overcoming obstacles: Analysis of blood and semen stains washed with different chemicals with ATR-FTIR**
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- XIII. **Photo- and pH-Responsive Hybrid Colloidal Particles**
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- XIV. **Direct impedimetric detection of exosomes and practical application in urine**
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- XV. **Cytotoxic, apoptotic and necrotic effects of starch coated copper nanoparticles on Capan 1 pancreatic cancer cells**
İLBASMIŞ TAMER S., Turk M., Evran Ş., BOYACI İ. H., Ciftci H., TAMER U.
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- XVI. **An ECL sensor combined with a paper electrode for the determination of phenylalanine**
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ANALYST, cilt.147, sa.21, ss.4866-4875, 2022 (SCI-Expanded)
- XVII. **Paper-based electrochemiluminescence gas sensor**
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- XVIII. **Escherichia coli Enumeration in a Capillary-Driven Microfluidic Chip with SERS**
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- XIX. **Assessment of laser induced breakdown spectroscopy as a tool for analysis of butter adulteration**
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- XX. **Paper based lateral flow immunoassay for the enumeration of Escherichia coli in urine**
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- XXI. **Quantification and spatial distribution of salicylic acid in film tablets using FT-Raman mapping with multivariate curve resolution**
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- XXII. **A rapid tool for determination of titanium dioxide content in white chickpea samples**
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- XXIII. **Detection and quantification of a toxic salt substitute (LiCl) by using laser induced breakdown spectroscopy (LISS)**
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- XXIV. **Nanostructured organic semiconductor films for molecular detection with surface-enhanced Raman spectroscopy**
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- XXV. **Synchronous fluorescence spectroscopy for determination of tahini adulteration**
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- XXVI. **SERS detection of hepatitis B virus DNA in a temperature-responsive sandwich-hybridization assay**
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- XXVII. **Rapid quantification of total protein with surface-enhanced Raman spectroscopy using o-phthalaldehyde**
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- XXVIII. **Fabrication of SERS active gold nanorods using benzalkonium chloride, and their application to an immunoassay for potato virus X**
ÇAĞLAYAN M. G., Kasap E., ÇETİN D., Suludere Z., TAMER U.
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- XXIX. **Nanoparticle embedded chitosan film for agglomeration free TEM images**
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- XXX. **The comparison of antioxidant capacity and cytotoxic, anticarcinogenic, and genotoxic effects of Fe@Au nanosphere magnetic nanoparticles**
Yegenoglu H., Aslm B., Guven B., Zengin A., Boyacı İ. H., Suludere Z., Tamer U.
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- XXXI. **Surface-enhanced Raman spectroscopy combined with gold nanorods for the simultaneous quantification of nitramine energetic materials**
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- XXXII. **Multiwalled Carbon Nanotube-Chitosan Scaffold: Cytotoxic, Apoptotic and Necrotic Effects on Chondrocyte Cell Lines**
İLBASMIŞ TAMER S., ÇİFTÇİ H., TÜRK M., Degim T., TAMER U.
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- XXXIII. **Enhanced Raman spectroscopy coupled to chemometrics for identification and quantification of acetylcholinesterase inhibitors**
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- XXXIV. **Rapid detection of bacteria based on homogenous immunoassay using chitosan modified quantum dots**
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- XXXV. **Urinary cotinine levels of electronic cigarette (e-cigarette) users**
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- XXXVI. **Non-enzymatic sensing of glucose using a glassy carbon electrode modified with gold nanoparticles coated with polyethyleneimine and 3-aminophenylboronic acid**
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- XXXVII. **Comparison between traditional-SERS and RCA-SERS assays for 35S promoter gene detection**
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- XXXVIII. **Paper membrane-based SERS platform for the determination of glucose in blood samples**
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- XXXIX. **Micro-/Nanostructured Highly Crystalline Organic Semiconductor Films for Surface-Enhanced**

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- XL. **SERS-based assays for sensitive detection of modafinil**
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- XLl. **Analysis of bakery products by laser-induced breakdown spectroscopy**
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- XLII. **A new plasmonic device made of gold nanoparticles and temperature responsive polymer brush on a silicon substrate**
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- XLIII. **Development of rolling circle amplification based surface-enhanced Raman spectroscopy method for 35S promoter gene detection**
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- XLIV. **Cathodic electrochemical deposition of Magneli phases TiO_{2n-1} thin films at different temperatures in acetonitrile solution**
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- XLV. **Spectroscopic detection of aspartame in soft drinks by surface-enhanced Raman spectroscopy**
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- XLVI. **Quantitative Characterization of Magnetic Mobility of Nanoparticle in Solution-Based Condition**
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- XLVII. **Monosodium glutamate in chicken and beef stock cubes using high-performance liquid chromatography**
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- XLVIII. **Fabrication of a SERS based aptasensor for detection of ricin B toxin**
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- XLIX. **Designing multilayered nanoplatfoms for SERS-based detection of genetically modified organisms**
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- L. **Electrochemical biosensor based on glucose oxidase encapsulated within enzymatically synthesized poly(1,10-phenanthroline-5,6-dione)**
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- LII. **Large area uniform deposition of silver nanoparticles through bio-inspired polydopamine coating on silicon nanowire arrays for practical SERS applications**
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- LIII. **Anisotropic core-shell $Fe_3O_4@Au$ magnetic nanoparticles and the effect of the immunomagnetic**

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- LIV. **A rapid method for determination of the origin of meat and meat products based on the extracted fat spectra by using of Raman spectroscopy and chemometric method**
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- LV. **Electrochemical copper (II) sensor based on chitosan covered gold nanoparticles**
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- LVI. **Extremely sensitive sandwich assay of kanamycin using surface-enhanced Raman scattering of 2-mercaptobenzothiazole labeled gold@silver nanoparticles**
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- LVII. **SERS-based direct and sandwich assay methods for mir-21 detection**
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- LVIII. **Combining 3-D plasmonic gold nanorod arrays with colloidal nanoparticles as a versatile concept for reliable, sensitive, and selective molecular detection by SERS**
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- LIX. **Glucose determination based on a two component self-assembled monolayer functionalized surface-enhanced Raman spectroscopy (SERS) probe**
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- LX. **Determination of butter adulteration with margarine using Raman spectroscopy**
Uysal R. S., BOYACI İ. H., Genis H. E., TAMER U.
FOOD CHEMISTRY, cilt.141, sa.4, ss.4397-4403, 2013 (SCI-Expanded)
- LXI. **Fabrication and characterization of gold-nanoparticles/chitosan film: a scaffold for L929-fibroblasts**
TÜRK M., TAMER U., ALVER E., ÇİFTÇİ H., METİN A. Ü., KARAHAN S.
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- LXII. **Surface enhanced Raman spectroscopy as a new spectral technique for quantitative detection of metal ions**
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- LXIII. **DISPERSIVE LIQUID-LIQUID MICROEXTRACTION BASED ON SOLIDIFICATION OF FLOATING ORGANIC DROP COMBINED WITH COUNTER-ELECTROSMOTIC FLOW NORMAL STACKING MODE IN CAPILLARY ELECTROPHORESIS FOR THE DETERMINATION OF BISPENOL A IN WATER AND URINE SAMPLES**
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- LXIV. **A novel glucose biosensor platform based on Ag@AuNPs modified graphene oxide nanocomposite and SERS application**
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- LXV. **A SERS-Based Sandwich Assay for Ultrasensitive and Selective Detection of Alzheimer's Tau Protein**
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- LXVI. **Synthesis of superparamagnetic and thermoresponsive hybrid nanoparticles via surface-mediated RAFT polymerization of di(ethylene glycol) ethyl ether acrylate and (oligoethylene glycol) methyl ether acrylate**
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- LXVII. **Magnetic gold nanoparticles in SERS-based sandwich immunoassay for antigen detection by well oriented antibodies**
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- LXVIII. **Gold-Coated Iron Composite Nanospheres Targeted the Detection of Escherichia coli**
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- LXIX. **An enzyme free potentiometric detection of glucose based on a conducting polymer poly (3-aminophenyl boronic acid-co-3-octylthiophene)**
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- LXX. **Rapid analysis of sugars in honey by processing Raman spectrum using chemometric methods and artificial neural networks**
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- LXXI. **Molecularly imprinted superparamagnetic iron oxide nanoparticles for rapid enrichment and separation of cholesterol**
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