

# Prof. UĞUR TAMER

## Personal Information

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## International Researcher IDs

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ScopusID: 6603028058

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## Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1999 - 2004

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1996 - 1999

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Kimya Bölümü, Turkey 1990 - 1996

## Foreign Languages

English, C1 Advanced

## Research Areas

Natural Sciences

## Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2014 - Continues

Associate Professor, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2008 - 2014

## Academic and Administrative Experience

Head of Department, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2018 - 2021

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

## Courses

General Chemistry, Undergraduate, 2021 - 2022

General Chemistry, Undergraduate, 2019 - 2020

## Advising Theses

- TAMER U., Escherichia coli tayini için yatay akış immünoassay platformlarının geliştirilmesi, Postgraduate, A.GÜMÜŞTAŞ(Student), 2019
- TAMER U., The Development Of Paper Based Microfluidic Chips; determination Of Glucose And Cancer Biomarker In Blood Matrix, Doctorate, H.Torul(Student), 2016
- TAMER U., Analysis Systems For Total Protein Assays Based On Nanoparticles, Postgraduate, M.Eryılmaz(Student), 2014
- TAMER U., NANOPARTICLE BASED SENSOR DEVELOPMENT FOR DETECTION OF BACTERIA, Postgraduate, E.TEMÜR(Student), 2010
- TAMER U., Manyetik ve optik özelliklere sahip nanopartikül sentezi ve analitik uygulamaları, Postgraduate, Y.GÜNDOĞDU(Student), 2009

## Jury Memberships

Doctoral Examination, Doctoral Examination, Erciyes University, December, 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Phage probe on RAFT polymer surface for rapid enumeration of E. coli K12**  
Panhwar S., ÇELİKKAN H., Evran E., Ekiz E., ÖZKAN HÜKÜM K., ÇETİN D., SULUDERE Z., Hakki Boyaci I., TAMER U.  
Bioelectrochemistry, vol.160, 2024 (SCI-Expanded)
- II. **UV-ozone treated glass fiber based lateral flow DNA extraction platform integrated with LAMP for rapid detection of pathogen bacteria in whole blood**  
Tezcan T., Calimci M., BOYACI İ. H., TAMER U.  
Microchemical Journal, vol.206, 2024 (SCI-Expanded)
- III. **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, vol.333, pp.1-10, 2024 (SCI-Expanded)
- IV. **Estimation of time since deposition of semen stain on different fabric types using ATR-FTIR spectroscopy and chemometrics**  
Tastekin B., AKÇAN R., Evran E., TAMER U., ZENGİN H. Y., Yildirim M. S., BOYACI İ. H.  
Forensic science international, vol.354, pp.111885, 2024 (SCI-Expanded)
- V. **Identification of blood at simulated crime scenes using silver nanoparticles with SERS**  
Köroğlu U., SAĞLAM N., TAMER U., AKÇAN R., BOYACI İ. H., Evran E.  
Turkish Journal of Chemistry, vol.48, no.4, pp.676-690, 2024 (SCI-Expanded)
- VI. **Microfluidic platforms based on SERS imaging and their point-of-care applications**  
TORUL H., Yıldırım E., TAMER U.  
Current Opinion in Biomedical Engineering, vol.28, 2023 (SCI-Expanded)
- VII. **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.  
Analyst, vol.148, no.19, pp.4857-4868, 2023 (SCI-Expanded)
- VIII. **The effect of silencing the Tip60 gene on the response to radiotherapy in breast cancer cells**  
SALİHOĞLU E., KARAHALİL B., Eşmakaya M. A., TAMER U., Yardim-Akaydin S.  
BREAST, vol.69, pp.507-512, 2023 (SCI-Expanded)
- IX. **A simple gradient centrifugation method for bacteria detection in skim milk**  
Rodoplu Solovchuk D., BOYACI İ. H., TAMER U., ŞAHİNER N., ÇETİN D.  
Microchemical Journal, vol.189, 2023 (SCI-Expanded)

- X. **Microfluidic-based blood immunoassays**  
TORUL H., Arslan Z. Ç., Tezcan T., Kayaş E. Ç., Çalımcı M., Gumustas A., YILDIRIM E., KÜLAH H., TAMER U.  
Journal of Pharmaceutical and Biomedical Analysis, vol.228, 2023 (SCI-Expanded)
- XI. **Overcoming obstacles: Analysis of blood and semen stains washed with different chemicals with ATR-FTIR**  
YILDIRIM M. Ş., AKÇAN R., ARAS S., TAMER U., EVRAN E., TAŞTEKİN B., AYDOĞAN C., BOYACI İ. H.  
Forensic Science International, vol.344, 2023 (SCI-Expanded)
- XII. **Photo- and pH-Responsive Hybrid Colloidal Particles**  
Mutlutürk E., TAMER U., Caykara T.  
ChemistrySelect, vol.8, no.6, 2023 (SCI-Expanded)
- XIII. **Principles, Methods, and Real-Time Applications of Bacteriophage-Based Pathogen Detection**  
Panhwar S., Keerio H. A., İlhan H., BOYACI İ. H., TAMER U.  
Molecular Biotechnology, 2023 (SCI-Expanded)
- XIV. **Direct impedimetric detection of exosomes and practical application in urine**  
Sazaklıođlu S. A., TORUL H., VATANSEVER H. S., TAMER U., ÇELİKKAN H.  
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.53, no.1, pp.29-38, 2023 (SCI-Expanded)
- 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.  
Journal of Drug Delivery Science and Technology, vol.79, 2023 (SCI-Expanded)
- XVI. **An ECL sensor combined with a paper electrode for the determination of phenylalanine**  
Torul H., Kayis E. C., Boyacı İ. H., Tamer U.  
ANALYST, vol.147, no.21, pp.4866-4875, 2022 (SCI-Expanded)
- XVII. **Paper-based electrochemiluminescence gas sensor**  
Torul H., Durak M., Boyacı İ. H., Tamer U.  
ELECTROCHIMICA ACTA, vol.426, 2022 (SCI-Expanded)
- XVIII. **Escherichia coli Enumeration in a Capillary-Driven Microfluidic Chip with SERS**  
Dogan U., Sucularli F., YILDIRIM E., ÇETİN D., SULUDERE Z., BOYACI İ. H., TAMER U.  
BIOSENSORS-BASEL, vol.12, no.9, 2022 (SCI-Expanded)
- XIX. **Assessment of laser induced breakdown spectroscopy as a tool for analysis of butter adulteration**  
TEMİZ H. T., Sezer B., BERKKAN A., TAMER U., BOYACI İ. H.  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, vol.67, pp.48-54, 2018 (SCI-Expanded)
- XX. **Paper based lateral flow immunoassay for the enumeration of Escherichia coli in urine**  
Gumustas A., ÇAĞLAYAN M. G., ERYILMAZ M., Suludere Z., ACAR SOYKUT E., USLU B., BOYACI İ. H., TAMER U.  
ANALYTICAL METHODS, vol.10, no.10, pp.1213-1218, 2018 (SCI-Expanded)
- XXI. **Quantification and spatial distribution of salicylic acid in film tablets using FT-Raman mapping with multivariate curve resolution**  
Eksi-Kocak H., İLBASMIŞ TAMER S., Yilmaz S., ERYILMAZ M., Boyacı I. H., TAMER U.  
ASIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.13, no.2, pp.155-162, 2018 (SCI-Expanded)
- XXII. **A rapid tool for determination of titanium dioxide content in white chickpea samples**  
Sezer B., Bilge G., BERKKAN A., TAMER U., BOYACI İ. H.  
FOOD CHEMISTRY, vol.240, pp.84-89, 2018 (SCI-Expanded)
- XXIII. **Detection and quantification of a toxic salt substitute (LiCl) by using laser induced breakdown spectroscopy (LISS)**  
Sezer B., VELİOĐLU H. M., Bilge G., BERKKAN A., Ozdinc N., TAMER U., BOYACI İ. H.  
MEAT SCIENCE, vol.135, pp.123-128, 2018 (SCI-Expanded)
- XXIV. **Nanostructured organic semiconductor films for molecular detection with surface-enhanced Raman spectroscopy**  
YILMAZ M., Babur E., Ozdemir M., Giesecking R. L., DEDE Y., TAMER U., Schatz G. C., Facchetti A., USTA H., DEMİREL G.  
NATURE MATERIALS, vol.16, no.9, pp.918-925, 2017 (SCI-Expanded)
- XXV. **Synchronous fluorescence spectroscopy for determination of tahini adulteration**

- TEMİZ H. T., TAMER U., BERKCAN A., BOYACI İ. H.  
TALANTA, vol.167, pp.557-562, 2017 (SCI-Expanded)
- XXVI. **SERS detection of hepatitis B virus DNA in a temperature-responsive sandwich-hybridization assay**  
Zengin A., TAMER U., ÇAYKARA T.  
JOURNAL OF RAMAN SPECTROSCOPY, vol.48, no.5, pp.668-672, 2017 (SCI-Expanded)
- XXVII. **Rapid quantification of total protein with surface-enhanced Raman spectroscopy using o-phthalaldehyde**  
ERYILMAZ M., Zengin A., BOYACI İ. H., TAMER U.  
JOURNAL OF RAMAN SPECTROSCOPY, vol.48, no.5, pp.653-658, 2017 (SCI-Expanded)
- 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.  
MICROCHIMICA ACTA, vol.184, no.4, pp.1059-1067, 2017 (SCI-Expanded)
- XXIX. **Nanoparticle embedded chitosan film for agglomeration free TEM images**  
DOĞAN Ü., ÇİFTÇİ H., ÇETİN D., Suludere Z., TAMER U.  
MICROSCOPY RESEARCH AND TECHNIQUE, vol.80, no.2, pp.163-166, 2017 (SCI-Expanded)
- XXX. **The comparison of antioxidant capacity and cytotoxic, anticarcinogenic, and genotoxic effects of Fe@Au nanosphere magnetic nanoparticles**  
Yegenoglu H., Aslim B., Guven B., Zengin A., Boyacı İ. H., Suludere Z., Tamer U.  
TURKISH JOURNAL OF BIOLOGY, vol.41, no.2, pp.302-313, 2017 (SCI-Expanded)
- XXXI. **Surface-enhanced Raman spectroscopy combined with gold nanorods for the simultaneous quantification of nitramine energetic materials**  
Güven B., ERYILMAZ M., Uzer A., BOYACI İ. H., TAMER U., Apak R.  
RSC ADVANCES, vol.7, no.59, pp.37039-37047, 2017 (SCI-Expanded)
- 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.  
CURRENT PHARMACEUTICAL BIOTECHNOLOGY, vol.18, no.4, pp.327-335, 2017 (SCI-Expanded)
- XXXIII. **Enhanced Raman spectroscopy coupled to chemometrics for identification and quantification of acetylcholinesterase inhibitors**  
El Alami A., Lagarde F., TAMER U., Baitoul M., Daniel P.  
VIBRATIONAL SPECTROSCOPY, vol.87, pp.27-33, 2016 (SCI-Expanded)
- XXXIV. **Rapid detection of bacteria based on homogenous immunoassay using chitosan modified quantum dots**  
Doğan Ü., Kasap E., Çetin D., Suludere Z., Boyacı İ. H., Türkyılmaz C., Ertaş N., Tamer U.  
SENSORS AND ACTUATORS B-CHEMICAL, vol.233, pp.369-378, 2016 (SCI-Expanded)
- XXXV. **Urinary cotinine levels of electronic cigarette (e-cigarette) users**  
Goney G., ÇOK İ., Tamer U., BURGAZ S., Sengezer T.  
TOXICOLOGY MECHANISMS AND METHODS, vol.26, no.6, pp.414-418, 2016 (SCI-Expanded)
- XXXVI. **Non-enzymatic sensing of glucose using a glassy carbon electrode modified with gold nanoparticles coated with polyethyleneimine and 3-aminophenylboronic acid**  
ÇİFTÇİ H., ALVER E., Celik F., METİN A. Ü., TAMER U.  
MICROCHIMICA ACTA, vol.183, no.4, pp.1479-1486, 2016 (SCI-Expanded)
- XXXVII. **Comparison between traditional-SERS and RCA-SERS assays for 35S promoter gene detection**  
Güven B., Boyacı I., TAMER U., ACAR SOYKUT E.  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.251, 2016 (SCI-Expanded)
- XXXVIII. **Paper membrane-based SERS platform for the determination of glucose in blood samples**  
Torul H., Çiftçi H., Çetin D., Suludere Z., Boyacı İ. H., Tamer U.  
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.407, no.27, pp.8243-8251, 2015 (SCI-Expanded)
- XXXIX. **Micro-/Nanostructured Highly Crystalline Organic Semiconductor Films for Surface-Enhanced Raman Spectroscopy Applications**

YILMAZ M., Ozdemir M., Erdogan H., TAMER U., Sen U., Facchetti A., USTA H., DEMİREL G.  
ADVANCED FUNCTIONAL MATERIALS, vol.25, no.35, pp.5669-5676, 2015 (SCI-Expanded)

- XL. **SERS-based assays for sensitive detection of modafinil**  
Çağlayan M. G., Torul H., Onur F., Tamer U.  
JOURNAL OF RAMAN SPECTROSCOPY, vol.46, no.9, pp.802-806, 2015 (SCI-Expanded)
- XLI. **Analysis of bakery products by laser-induced breakdown spectroscopy**  
Bilge G., BOYACI İ. H., ESELLER K. E., TAMER U., ÇAKIR S.  
FOOD CHEMISTRY, vol.181, pp.186-190, 2015 (SCI-Expanded)
- XLII. **A new plasmonic device made of gold nanoparticles and temperature responsive polymer brush on a silicon substrate**  
Zengin A., TAMER U., ÇAYKARA T.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.448, pp.215-221, 2015 (SCI-Expanded)
- XLIII. **Development of rolling circle amplification based surface-enhanced Raman spectroscopy method for 35S promoter gene detection**  
Güven B., BOYACI İ. H., TAMER U., ACAR SOYKUT E., DOĞAN Ü.  
TALANTA, vol.136, pp.68-74, 2015 (SCI-Expanded)
- XLIV. **Cathodic electrochemical deposition of Magneli phases  $TiO_{2n-1}$  thin films at different temperatures in acetonitrile solution**  
ERTEKİN Z., TAMER U., PEKMEZ K.  
ELECTROCHIMICA ACTA, vol.163, pp.77-81, 2015 (SCI-Expanded)
- XLV. **Spectroscopic detection of aspartame in soft drinks by surface-enhanced Raman spectroscopy**  
Buyukgoz G. G., Bozkurt A. G., BAŞARAN AKGÜL N., TAMER U., BOYACI İ. H.  
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.240, no.3, pp.567-575, 2015 (SCI-Expanded)
- XLVI. **Quantitative Characterization of Magnetic Mobility of Nanoparticle in Solution-Based Condition**  
Rodoplu D., BOYACI İ. H., Bozkurt A. G., Eksi H., Zengin A., TAMER U., AYDOĞAN N., ÖZCAN Ş., TUĞCU DEMİRÖZ F. N.  
CURRENT PHARMACEUTICAL DESIGN, vol.21, no.37, pp.5389-5400, 2015 (SCI-Expanded)
- XLVII. **Monosodium glutamate in chicken and beef stock cubes using high-performance liquid chromatography**  
Demirhan B., Demirhan B., Sonmez C., Torul H., Tamer U., Yentur G.  
Food Additives and Contaminants: Part B Surveillance, vol.8, no.1, pp.63-66, 2015 (SCI-Expanded)
- XLVIII. **Fabrication of a SERS based aptasensor for detection of ricin B toxin**  
Zengin A., TAMER U., ÇAYKARA T.  
JOURNAL OF MATERIALS CHEMISTRY B, vol.3, no.2, pp.306-315, 2015 (SCI-Expanded)
- XLIX. **Designing multilayered nanoplatforms for SERS-based detection of genetically modified organisms**  
Uluok S., Güven B., Eksi H., ÜSTÜNDAĞ Z., TAMER U., BOYACI İ. H.  
JOURNAL OF NANOPARTICLE RESEARCH, vol.17, no.1, 2015 (SCI-Expanded)
- L. **Electrochemical biosensor based on glucose oxidase encapsulated within enzymatically synthesized poly(1,10-phenanthroline-5,6-dione)**  
ÇİFTÇİ H., Oztekin Y., TAMER U., Ramanaviciene A., Ramanavicius A.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.123, pp.685-691, 2014 (SCI-Expanded)
- LI. **High-yield aqueous synthesis of multi-branched iron oxide core-gold shell nanoparticles: SERS substrate for immobilization and magnetic separation of bacteria**  
TAMER U., Onay A., ÇİFTÇİ H., Bozkurt A. G., ÇETİN D., Suludere Z., BOYACI İ. H., Daniel P., Lagarde F., Yaacoub N., et al.  
JOURNAL OF NANOPARTICLE RESEARCH, vol.16, no.10, 2014 (SCI-Expanded)
- LII. **Large area uniform deposition of silver nanoparticles through bio-inspired polydopamine coating on silicon nanowire arrays for practical SERS applications**  
Akin M. S., YILMAZ M., Babur E., Ozdemir B., Erdogan H., TAMER U., DEMİREL G.  
JOURNAL OF MATERIALS CHEMISTRY B, vol.2, no.30, pp.4894-4900, 2014 (SCI-Expanded)
- LIII. **Anisotropic core-shell  $Fe_3O_4@Au$  magnetic nanoparticles and the effect of the immunomagnetic separation volume on the capture efficiency**

Zengin A., Bozkurt A., BOYACI İ. H., ÖZCAN Ş., Daniel P., Lagarde F., Gibaud A., ÇETİN D., Suludere Z., Guttman P., et al.

PURE AND APPLIED CHEMISTRY, vol.86, no.6, pp.967-978, 2014 (SCI-Expanded)

- 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**  
BOYACI İ. H., Uysal R. S., Temiz T., Shendi E. G., Yadegari R. J., Rishkan M. M., VELİOĞLU H. M., TAMER U., SİVRİ ÖZAY D., VURAL H.  
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.238, no.5, pp.845-852, 2014 (SCI-Expanded)
- LV. **Electrochemical copper (II) sensor based on chitosan covered gold nanoparticles**  
ÇİFTÇİ H., TAMER U., METİN A. Ü., ALVER E., Kizir N.  
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.44, no.5, pp.563-571, 2014 (SCI-Expanded)
- LVI. **Extremely sensitive sandwich assay of kanamycin using surface-enhanced Raman scattering of 2-mercaptobenzothiazole labeled gold@silver nanoparticles**  
Zengin A., TAMER U., ÇAYKARA T.  
ANALYTICA CHIMICA ACTA, vol.817, pp.33-41, 2014 (SCI-Expanded)
- LVII. **SERS-based direct and sandwich assay methods for mir-21 detection**  
Güven B., DUDAK ŞEKER F. C., BOYACI İ. H., TAMER U., Özsoz M.  
ANALYST, vol.139, no.5, pp.1141-1147, 2014 (SCI-Expanded)
- LVIII. **Combining 3-D plasmonic gold nanorod arrays with colloidal nanoparticles as a versatile concept for reliable, sensitive, and selective molecular detection by SERS**  
YILMAZ M., Senlik E., Biskin E., YAVUZ M. S., TAMER U., DEMİREL G.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.16, no.12, pp.5563-5570, 2014 (SCI-Expanded)
- LIX. **Glucose determination based on a two component self-assembled monolayer functionalized surface-enhanced Raman spectroscopy (SERS) probe**  
Torul H., Çiftçi H., Dudak Şeker F. C., Adigüzel Y., KÜLAH H., Boyacı İ. H., Tamer U.  
ANALYTICAL METHODS, vol.6, no.14, pp.5097-5104, 2014 (SCI-Expanded)
- LX. **Determination of butter adulteration with margarine using Raman spectroscopy**  
Uysal R. S., BOYACI İ. H., Genis H. E., TAMER U.  
FOOD CHEMISTRY, vol.141, no.4, pp.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.  
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, no.6, pp.395-401, 2013 (SCI-Expanded)
- LXII. **Surface enhanced Raman spectroscopy as a new spectral technique for quantitative detection of metal ions**  
TEMİZ H. T., BOYACI İ. H., Grabchev I., TAMER U.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.116, pp.339-347, 2013 (SCI-Expanded)
- 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 BISPHENOL A IN WATER AND URINE SAMPLES**  
Alshana U., Lubbad I., Günden Göğür N., ÇOK İ., Tamer U., ERTAŞ N.  
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.36, no.20, pp.2855-2870, 2013 (SCI-Expanded)
- LXIV. **A novel glucose biosensor platform based on Ag@AuNPs modified graphene oxide nanocomposite and SERS application**  
Gupta V. K., Atar N., Yola M. L., Eryılmaz M., Torul H., Tamer U., Boyacı İ. H., Üstündağ Z.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.406, pp.231-237, 2013 (SCI-Expanded)
- LXV. **A SERS-Based Sandwich Assay for Ultrasensitive and Selective Detection of Alzheimer's Tau Protein**  
Zengin A., TAMER U., ÇAYKARA T.  
BIOMACROMOLECULES, vol.14, no.9, pp.3001-3009, 2013 (SCI-Expanded)
- 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**

Zengin A., TAMER U., ÇAYKARA T.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.51, no.16, pp.3420-3428, 2013 (SCI-Expanded)

- LXVII. **Magnetic gold nanoparticles in SERS-based sandwich immunoassay for antigen detection by well oriented antibodies**  
Baniukevic J., BOYACI İ. H., Bozkurt A. G., TAMER U., Ramanavicius A., Ramanaviciene A.  
BIOSENSORS & BIOELECTRONICS, vol.43, pp.281-288, 2013 (SCI-Expanded)
- LXVIII. **Gold-Coated Iron Composite Nanospheres Targeted the Detection of Escherichia coli**  
Tamer U., Çetin D., Suludere Z., Boyacı İ. H., Temiz H. T., Yegenoglu H., Daniel P., Dinçer İ., Elerman Y.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.14, no.3, pp.6223-6240, 2013 (SCI-Expanded)
- LXIX. **An enzyme free potentiometric detection of glucose based on a conducting polymer poly (3-aminophenyl boronic acid-co-3-octylthiophene)**  
ÇİFTÇİ H., TAMER U., Sen Teker M., Pekmez N. O.  
ELECTROCHIMICA ACTA, vol.90, pp.358-365, 2013 (SCI-Expanded)
- LXX. **Rapid analysis of sugars in honey by processing Raman spectrum using chemometric methods and artificial neural networks**  
Ozbalci B., BOYACI İ. H., TOPCU A., KADILAR C., TAMER U.  
FOOD CHEMISTRY, vol.136, pp.1444-1452, 2013 (SCI-Expanded)
- LXXI. **Molecularly imprinted superparamagnetic iron oxide nanoparticles for rapid enrichment and separation of cholesterol**  
Zengin A., YILDİRİM E., TAMER U., ÇAYKARA T.  
ANALYST, vol.138, no.23, pp.7238-7245, 2013 (SCI-Expanded)
- LXXII. **Silver nanoparticles: cytotoxic, apoptotic, and necrotic effects on MCF-7 cells**  
ÇİFTÇİ H., TÜRK M., TAMER U., KARAHAN S., MENEMEN Y.  
TURKISH JOURNAL OF BIOLOGY, vol.37, no.5, pp.573-581, 2013 (SCI-Expanded)
- LXXIII. **Attomole Sensitivity of Staphylococcal Enterotoxin B Detection Using an Aptamer-Modified Surface-Enhanced Raman Scattering Probe**  
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- LIV. **Elektronik sigara e sigara kullanıcılarında olası genotoksik hasarın ve nikotin maruziyetinin belirlenmesi**  
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## **Scientific Consultations**

Gazi University, Project Consultancy, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, Turkey, 2020 - Continues

## **Metrics**

Publication: 377

Citation (WoS): 3168

Citation (Scopus): 4051

H-Index (WoS): 37

H-Index (Scopus): 35