

## Res. Asst. ÜZEYİR DOĞAN

### Personal Information

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### Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), Turkey 2012 - 2018

Post Graduate, Middle East Technical University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2008 - 2011

Under Graduate, Middle East Technical University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2003 - 2008

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Nanopartikül tabanlı bakteri tayini için floresans ve yüzeyde güçlendirilmiş raman saçılmasına dayanan sensörlerin geliştirilmesi, Gazi University, Sağlık Bilimleri Enstitüsü, Analitik Kimya (Dr), 2018

Post Graduate, Preparation and characterization of surface enhanced raman scattering substrate through electro deposition of silver-PEDOT film on ITO glass surface, Middle East Technical University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2011

### Research Areas

Health Sciences, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Gazi University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 2012 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Multiplex enumeration of Escherichia coli and Salmonella enteritidis in a passive capillary microfluidic chip**  
DOĞAN Ü., Kasap E. N. , Sucularli F., YILDIRIM E., TAMER U., ÇETİN D., Suludere Z., BOYACI İ. H. , ERTAŞ N.  
ANALYTICAL METHODS, vol.12, no.30, pp.3788-3796, 2020 (Journal Indexed in SCI)
- II. **Fast fluorometric enumeration of E. coli using passive chip**  
Kasap E. N. , DOĞAN Ü., Cogun F., YILDIRIM E., BOYACI İ. H. , ÇETİN D., Suludere Z., TAMER U., ERTAŞ N.  
JOURNAL OF MICROBIOLOGICAL METHODS, vol.164, 2019 (Journal Indexed in SCI)
- III. **Amperometric glucose sensor based on the glucose oxidase enzyme immobilized on graphite rod**

**electrode modified with Fe<sub>3</sub>O<sub>4</sub>-CS-Au magnetic nanoparticles**

Onay A, DOĞAN Ü, ÇİFTÇİ H, ÇETİN D, Suludere Z, TAMER U.

IONICS, vol.24, no.12, pp.4015-4022, 2018 (Journal Indexed in SCI)

**IV. 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 (Journal Indexed in SCI)

**V. Rapid detection of bacteria based on homogenous immunoassay using chitosan modified quantum dots**

DOĞAN Ü, Kasap E, ÇETİN D, Suludere Z, BOYACI İ. H. , TÜRKYILMAZ C., ERTAŞ N., TAMER U.

SENSORS AND ACTUATORS B-CHEMICAL, vol.233, pp.369-378, 2016 (Journal Indexed in SCI)

**VI. 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 (Journal Indexed in SCI)

### **Refereed Congress / Symposium Publications in Proceedings**

**I. Enumeration of Escherichia coli based on SERS technique in a passive type microfluidic chip.**

DOĞAN Ü, KASAP E. N. , ÇOĞUN F., YILDIRIM E., ÇETİN D, SULUDERE Z., BOYACI İ. H. , ERTAŞ N., TAMER U.

ISOPS-12, Ankara, Turkey, 26 - 29 June 2018

**II. LFIA enumeration of E.coli using FE<sub>3</sub>O<sub>4</sub>/AU-PEI nanoparticles in blood.**

İLHAN H, DOĞAN Ü, SULUDERE Z., BOYACI İ. H. , ÇETİN D., SAĞLAM N., TAMER U.

ISOPS-12 Ankara, TURKEY, 26 - 29 June 2018

**III. SERS Based E.coli enumeration in urine with using casein bound magnetic nanoparticles.**

İLHAN H, DOĞAN Ü, SULUDERE Z., BOYACI İ. H. , ÇETİN D., SAĞLAM N., TAMER U.

8th Black Sea Basin Conference on Analytical Chemistry (8th BBCAC) İstanbul Turkey, 9 - 11 May 2018

**IV. Development of E.coli detection biosensor using analytical techniques in a passive type microfluidic chip.**

DOĞAN Ü, KASAP E. N. , ÇOĞUN F., YILDIRIM E., BOYACI İ. H. , ÇETİN D., SULUDERE Z., ERTAŞ N., TAMER U.

ALLSENSORS 2018, The Third International Conference on Advances in Sensors Actuators Metering and Sensing Digital World 2018 Rome, Italy, 25 - 29 March 2018

**V. Simultaneous detection of E.coli and Salmonella based on fluorescence technique in a passive type microfluidic chip.**

DOĞAN Ü, KASAP E. N. , ÇOĞUN F., YILDIRIM E., ÇETİN D, SULUDERE Z., BOYACI İ. H. , ERTAŞ N., TAMER U.

2nd International Gazi Pharma Symposium Series (GPSS-2017), 11 - 13 October 2017

**VI. Thin MnO<sub>2</sub> coating on Au tips for Tip-Enhanced Raman Spectroscopy**

DOĞAN Ü.

Sixth International Conference on Tip-Enhanced Raman Spectroscopy (TERS-6), 16 - 18 August 2017

**VII. The Synthesis and Characterization of PEI Modified Fe<sub>3</sub>O<sub>4</sub> Au Nanoparticles for Rapid Enumeration of E coli**

İLHAN H, DOĞAN Ü, ÇİFTÇİ H, TAMER U, SAĞLAM N.

3rd International Congress on Biosensors, Ankara, Turkey, 5 - 07 October 2016

**VIII. Simultaneous detection of two different bacteria using QDs and MNPs**

DOĞAN Ü, KASAP E, ÇOĞUN F., YILDIRIM E., ÇETİN D, SULUDERE Z., BOYACI İ. H. , ERTAŞ N., TAMER U.

AACD 2016 International Conference: 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016

**IX. Microchip based determination of bacteria by in chip sandwich immunoassay**

KASAP E. N. , ÇOĞUN F., YILDIRIM E., DOĞAN Ü, BOYACI İ. H. , ÇETİN D., SULUDERE Z., TAMER U, ERTAŞ N.

AACD 2016 International Conference: 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016

- X. **Rapid Bacteria detection using magnetic nanoparticles and Quantum dots**  
DOĞAN Ü., ERTAŞ N., TAMER U., BOYACI İ. H. , ÇETİN D., SULUDERE Z.  
9th Aegean Analytical Chemistry Days, 29 September - 03 October 2014
- XI. **Rapid SERS detection of bacteria with well oriented antibody bound nanoparticle**  
DOĞAN Ü., ERYILMAZ M., ÇETİN D., SULUDERE Z., BOYACI İ. H. , TAMER U.  
XXIV. International Conference on Raman Spectroscopy, ICORS, Jena, Germany, 10 - 15 August 2014
- XII. **The high product yield of hybrid nanoparticle and rationale biomolecule immobilization for sub femtomolar SERS detection**  
TAMER U., DOĞAN Ü., ZENGİN A., TORUL H., ÇİFTÇİ H., ÇETİN D., SULUDERE Z., BOYACI İ. H.  
10th Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 17 - 21 June 2014

## Citations

Total Citations (WOS):54

h-index (WOS):4