

## Res. Asst. ONUR CAN BODUR

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHE-1000-2022

ScopusID: 57215021179

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### Education Information

Doctorate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 2019 - Continues

Postgraduate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 2016 - 2019

Undergraduate, Gazi University, Fen Fakültesi, Kimya Bölümü, Turkey 2009 - 2014

### Dissertations

Postgraduate, Alzheimer hastalığının teşhisi için asetilkolin biyosensörünün hazırlanması, Gazi University, Fen Fakültesi, Kimya Bölümü, 2019

### Research Areas

Biochemistry

### Academic Titles / Tasks

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 2018 - Continues

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

- Green Synthesis of Silver Nanoparticles and Designing A New Amperometric Biosensor to Determine Glucose Levels**  
Üçdemir Pektaş S., Keskin M., Bodur O. C., Arslan F.  
JOURNAL OF FOOD COMPOSITION AND ANALYSIS, pp.1-25, 2024 (SCI-Expanded)
- Development of novel biosensor for the ultra-sensitive detection of the endocrine disruptor Bisphenol A and detection of Bisphenol A leakage from some plastic containers**  
Ergezer E. E., Bodur O. C., Hasanoğlu Özkan E., Sarı N., Arslan F.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.21, no.1, pp.1-13, 2024 (SCI-Expanded)

- III. **A Sensitive Amperometric Biosensor Based on Carbon Dot 3-Chloropropyl-trimethoxysilane Modified Electrode for Detection of Neurotransmitter Dopamine**  
Akbiyik M. A., Bodur O. C., Keskin M., Kara M., Dinç S., Arslan H., Özmen M., Arslan F.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.170, no.3, 2023 (SCI-Expanded)
- IV. **Designing an electrochemical biosensor based on tyrosinase for highly sensitive and rapid detection of bisphenol A and its derivatives**  
BODUR O. C., KESKİN M., Avan B. A., ARSLAN H.  
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.88, no.5, pp.521-536, 2023 (SCI-Expanded)
- V. **Novel Tyrosinase-Based Bisphenol-A Biosensor for the determination of Bisphenol-A in bracket adhesive in orthodontics**  
Arslan F., Koçak H., Bodur O. C., Hasanoğlu Özkan E., Arslan B., Sarı N.  
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.41, no.2, pp.229-241, 2022 (SCI-Expanded)
- VI. **A sensitive amperometric detection of neurotransmitter acetylcholine using carbon dot-modified carbon paste electrode**  
Bodur O. C., Dinç S., Özmen M., Arslan F.  
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol.68, no.1, pp.20-29, 2021 (SCI-Expanded)
- VII. **Preparation of acetylcholine biosensor for the diagnosis of Alzheimer's disease**  
Bodur O. C., Hasanoğlu Özkan E., Çolak O., Arslan H., Sarı N., Dişli A., Arslan F.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1223, 2021 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Effects of Tooth Brushing and MouthWashing on Leaching Bisphenol A Levels From an Orthodontic Adhesive: An In Vitro Study**  
Arslan B., Yildirim E., Bodur O. C., Baloş Tuncer B., Ulusoy M. Ç., Tuncer C.  
TURKISH JOURNAL OF ORTHODONTICS, vol.35, no.1, pp.27-32, 2022 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Gıda Maddelerinde L-Glutamat Tayini İçin Pd/AlO(OH) Nanopartikülü Temelli Yüksek Hassasiyetli Glutamat Biyosensörü Hazırlanması**  
Şimşek Ş., Bodur O. C., Arslan F.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, vol.1, no.1, pp.175-176
- II. **Yeşil Sentez Yöntemi ile Ananas Taç Yapraklarından AgNP Eldesi, Karakterizasyonu, H2O2 Duyarlılığının Belirlenmesi**  
Bodur O. C., Keskin M., Keskin Ş., Arslan F.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, vol.1, no.1, pp.174-175
- III. **Do beverages cause bisphenol-a release from thermoplastic orthodontic appliances?**  
Arslan Avan B., Bodur O. C., Yildirim E., Osanmaz A., Tuncer C., Baloş Tuncer B.  
The 2024 FDI World Dental Congress (WDC24), İstanbul, Turkey, 12 September - 15 October 2024, vol.74, no.1, pp.148-149
- IV. **Gıdalarda tiramin tayini için biyosensör geliştirilmesi**  
Oktay H., Dikim S., Bodur O. C., Sarı N., Arslan F.  
4TH INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS, Rize, Turkey, 6 - 07 June 2023, vol.1, pp.402-403
- V. **4-Aminoantipiren temelli farklı Schiff bazlarının Glukoz biyosensörü olarak incelenmesi**  
Erbaş A., Dikim S., Bodur O. C., Sarı N., Arslan F.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022) , Ankara,

Turkey, 23 - 25 November 2022, vol.1, pp.1717-1718

- VI. **A Novel Amperometric Biosensor for Detection of Bisphenol A**  
Bodur O. C., Keskin M., Arslan Avan B., Arslan H.  
3. EBAT/ Eurasia Biochemical Approaches & Technologies Congress, Antalya, Turkey, 4 - 07 November 2021, pp.154
- VII. **A Tyrosinase Based Amperometric Biosensor for Determination of Dopamine**  
Akbiyik M. A., Bodur O. C., Keskin M., Kara M., Dinç S., Özmen M., Arslan F.  
3. EBAT/ Eurasia Biochemical Approaches & Technologies Congress, Antalya, Turkey, 4 - 07 November 2021, pp.83-84
- VIII. **Modifiye Karbon Pasta Elektrot ile Yeni Bir Bisfenol A Biyosensörü Hazırlanması**  
YİĞİT E. E., HASANOĞLU ÖZKAN E., BODUR O. C., SARI N., ARSLAN F.  
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), 10-12 Haziran 2021, Konya Teknik Üniversitesi (e-Conference), Konya, Turkey, 10 - 12 June 2021, pp.242
- IX. **Ortodontik Yapıştırıcıdan Salınan Bisfenol A'nın İn-vitro Olarak Değerlendirilmesi.**  
Arslan Avan B., YİLDİRİM E., BODUR O. C., BALOŞ TUNCER B., ULUSOY M. Ç., TUNCER C.  
Erciyes Üniversitesi Uluslararası Diş Hekimliği Kongresi, Kayseri, Turkey, 26 February 2020
- X. **Preparation of a New Biosensor for Bisphenol A Determination**  
KOÇAK H., BODUR O. C., HASANOĞLU ÖZKAN E., SARI N., ARSLAN F.  
2nd Euroasia Biochemical Approaches&Technologies Congress (EBAT-2019), Antalya, Turkey, 26 - 29 October 2019, pp.127
- XI. **Preparation of Acetylcholine Biosensor for the Diagnosis of Alzheimer's Disease**  
BODUR O. C., HASANOĞLU ÖZKAN E., ÇOLAK Ö., ARSLAN H., SARI N., DİŞLİ A., ARSLAN F.  
International Natural Science, Engineering and Materials Technology Conference (NEM 2019), Sep 9-10, İstanbul, TURKEY, İstanbul, Turkey, 9 - 10 September 2019, pp.63
- XII. **A New Amperometric Biosensor: Carbon Paste Electrode Modified With Carbon Dots For Determination Of Acetylcholine**  
BODUR O. C., DİNÇ S., ÖZMEN M., ARSLAN F.  
3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, 16 - 18 April 2019
- XIII. **Preparation of a New Modified Carbon Paste Electrode with Hydrogen Peroxide Sensitive**  
BODUR O. C., HASANOĞLU ÖZKAN E., ÇOLAK Ö., ARSLAN H., SARI N., DİŞLİ A., ARSLAN F.  
1st Euroasia Biochemical Approaches&Technologies Congress (EBAT-2018), Antalya, Turkey, 27 - 30 October 2018

## Supported Projects

ARSLAN F., BODUR O. C., KESKİN Ş., Project Supported by Higher Education Institutions, Polifenol Oksidaz Enziminin Saflaştırılması ve Fenolik Bileşiklerin Tayini İçin Polifenol Oksidaz Temelli Biyosensör Hazırlanması, 2023 - Continues  
Keskin M., Bodur O. C., Arslan H., Project Supported by Higher Education Institutions, Yeşil Sentez Tekniği ile Bitki Temelli Gümüş Nanopartikül Sentezi ve Elde Edilen Nanopartiküllerin Biyosensör Uygulamalarında Kullanım Potansiyellerinin Belirlenmesi, 2023 - 2024

ARSLAN H., BODUR O. C., ARSLAN AVAN B., KESKİN M., Project Supported by Higher Education Institutions, Tirozinaz Enzimi Temelli Bisfenol A Biyosensörünün Hazırlanması, 2020 - 2022

## Scientific Refereeing

Journal of Apitherapy and Nature, Journal Indexed in ESCI, November 2023

## **Metrics**

Publication: 21

Citation (WoS): 22

Citation (Scopus): 50

H-Index (WoS): 2

H-Index (Scopus): 3