

# Res. Asst. AYŞEGÜL ÖZBAL

## Personal Information

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### International Researcher IDs

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## Education Information

|                  |                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| 2021 - Continues | Doctorate, Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Turkey                                        |
| 2017 - 2021      | Postgraduate, Eskişehir Technical University, Institute Of Graduate Programs, Analitik Kimya (YI) (Tezli), Turkey |
| 2012 - 2017      | Undergraduate, Anadolu University, Faculty Of Science, Department Of Chemistry, Turkey                            |

## Dissertations

|      |                                                                                                                                                                                                  |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020 | DEVELOPMENT OF VOLTAMETRIC AND FLOW INJECTION BASED METHOD FOR DETERMINATION OF DIETHYLSTYLBESTROL AND PROPRANOLOL, Eskişehir Technical University, Institute Of Graduate Programs, Postgraduate |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Research Areas

Chemistry, Physical Chemistry, Electrochemistry, Polymeric Materials, Natural Sciences

## Academic Titles / Tasks

|                  |                                                                                 |
|------------------|---------------------------------------------------------------------------------|
| 2020 - Continues | Research Assistant, Eskisehir Osmangazi University, Fen Fakültesi, Kimya Bölümü |
| 2019 - 2020      | Research Assistant, Zonguldak Bülent Ecevit University, Faculty Of Pharmacy     |

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

- I. Preparation of elastic hydrogel films via in-situ ketalization of Poly(vinyl alcohol) and ZnO nanoparticle doped Poly(vinyl ketal) films as antibacterial surface  
ÖZBAL A., DİKMEN Z., BÜTÜN V.  
International Journal of Polymeric Materials and Polymeric Biomaterials, vol.73, no.3, pp.231-238, 2024 (SCI-Expanded)
- II. In-situ formation of fluorophore cross-linked micellar thick films and usage as drug delivery material for Propranolol HCl  
Dikmen Z., Turhan O., Özbal A., Bütün V.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.279, 2022 (SCI-Expanded)
- III. Preparation of a double-step modified carbon paste electrode for the voltammetric determination of prophan via bulk modification with fumed silica and drop-casting of maghemite-modified fumed silica nanocomposite  
Ozcan A., Gurbuz M., ÖZBAL A.

## Books & Book Chapters

- I. **GENEL KİMYA LABORATUVARI**  
YEŞİLEL O. Z., ERER H., TUNCER C., ÖZŞEN BATUR Ö., ÇELİK S., SAYIN F., YANDIMOĞLU M., OCAK E., ÖZBAL A., DEMİR S.  
Eskişehir Osmangazi Üniversitesi, Eskişehir, 2022
- II. **Deney 26. Metal Etkinliklerinin İncelenmesi**  
ÖZBAL A., TUNCER C.  
in: GENEL KİMYA LABORATUVARI, Yeşilel, Okan Zafer, Editor, ESOGÜ Basımevi, Eskişehir, pp.189-194, 2022
- III. **Deney 7. Erime ve Kaynama Noktasının Belirlenmesi**  
ÖZBAL A., TUNCER C.  
in: GENEL KİMYA LABORATUVARI, Yeşilel, Okan Zafer, Editor, ESOGÜ Basımevi, Eskişehir, pp.66-71, 2022
- IV. **Deney 8. Süblimleşme ve Kristallendirme**  
ÖZBAL A., TUNCER C.  
in: GENEL KİMYA LABORATUVARI, Yeşilel, Okan Zafer, Editor, ESOGÜ Basımevi, Eskişehir, pp.72-79, 2022
- V. **Laboratuvar Ekipmanları Tanıtımı**  
ÖZBAL A., TUNCER C.  
in: GENEL KİMYA LABORATUVARI, Yeşilel, Okan Zafer, Editor, ESOGÜ Basımevi, Eskişehir, pp.9-26, 2022

## Refereed Congress / Symposium Publications in Proceedings

- I. **ZnO NANOPARTICLE DOPED STRETCHABLE POLY(VINYL KETAL) FILMS**  
Özbal A., Dikmen Z., Bütün V.  
19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023, pp.136
- II. **PHEMA-lületaşı ve PHEMA-CP kompozit hidrojel/kriyojellerin tekstil boya adsorpsiyonunda kullanımı**  
Özbal A., Baş H., Bütün Şengel S., Bütün V.  
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022, pp.164
- III. **Poli(2-hidroksietil Metakrilat)/Sepiolit Kompozit Hidrojellerin Metilen Mavisi Adsorpsiyonunda Verimlerinin Ortaya Konması**  
Gökkuş K., Özbal A., Bütün Şengel S., Bütün V.  
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022, pp.53
- IV. **Lületaşı ve karbon partikülü katkılı PHEMA kompozit hidro(kriyo)jeller: Sulu ortamdan ağır metal uzaklaştırılması**  
Özbal A., Bütün Şengel S., Gökkuş K., Bütün V.  
ULUSLARARASI KATILIMLI VIII. POLİMER BİLİM ve TEKNOLOJİ KONGRESİ, Malatya, Turkey, 20 - 23 June 2022, pp.83
- V. **PVA-Metal Composite Nanofiber Synthesis via Electrospinning and Its Use as Catalyst System**  
Özbal A., Bütün Şengel S., Gökkuş K., Bütün V.  
8. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, Eskişehir, Turkey, 18 - 19 June 2021, pp.191-194

## Metrics

Publication: 17

Citation (WoS): 18

Citation (Scopus): 23

H-Index (WoS): 1

H-Index (Scopus): 2