

## Asst. Prof. GÜLER YAĞIZ ERDEMİR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHD-2468-2022

ScopusID: 57221645735

Yoksis Researcher ID: 265642

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2018 - 2023

Postgraduate, Dokuz Eylül University, Kimya Bölümü, Turkey 2014 - 2017

Undergraduate, Ege University, Faculty Of Science, Kimya Bölümü, Turkey 2009 - 2014

### Dissertations

Doctorate, REGIOSELECTIVE SYNTHESIS OF 1,4,5-TRISUBSTITUTED-1,2,3-TRIAZOLES AND NEW HETEROCYCLIC STRUCTURES FUSED TO 1,2,3-TRIAZOLE RING, Gazi University, Fen Bilimleri Enstitüsü, 2023

Postgraduate, PREPARATION OF RED EMITTING DIKETOPYRROLOPYRROLE DERIVATIVES, Dokuz Eylül University, Kimya Bölümü, 2017

### Research Areas

Chemistry, Organic Chemistry, Chemistry of Dyes and Pigments, Chemistry of Heterocyclic Compounds

### Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Fakültesi, Kimya, 2023 - Continues

Research Assistant PhD, Gazi University, Fen Fakültesi, Kimya, 2023 - 2023

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 2017 - 2023

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

- Synthesis, Characterization and Evaluating Photochemical Properties of Porphyrin-substituted Azobenzene Structure**  
Erdemir G., Topkaya D.

JOURNAL OF FLUORESCENCE, vol.34, no.1, pp.275-281, 2024 (SCI-Expanded)

- II. **Highly regioselective one-step synthesis of 1-benzyl-5-formyl-1,2,3-triazole-4-carboxylates**  
Erdemir G., Altundaş A.  
Chemistry of Heterocyclic Compounds, vol.59, no.4-5, pp.267-276, 2023 (SCI-Expanded)
- III. **Synthesis, anti-TB activities, and molecular docking studies of 4-(1,2,3-triazolyl)arylmethanone derivatives**  
Turkmen Y., YAĞIZ ERDEMİR G., Yuksel Mayda P., AKDEMİR A., GÜNAYDIN AKYILDIZ A., ALTUNDAŞ A.  
Journal of Biochemical and Molecular Toxicology, vol.36, 2022 (SCI-Expanded)
- IV. **Synthesis, inhibition properties against xanthine oxidase and molecular docking studies of dimethyl N-benzyl-1H-1,2,3-triazole-4,5-dicarboxylate and (N-benzyl-1H-1,2,3-triazole-4,5-diyl)dimethanol derivatives**  
Yagiz G., Noma S. A. A., Altundas A., Al-Khafaji K., Taskin-Tok T., Ates B.  
BIOORGANIC CHEMISTRY, vol.108, 2021 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Synthesis of 1,4-disubstituted-1,2,3-Triazole derivatives for investigation of inhibition and molecular docking studies against Xanthine Oxidase**  
Mir dan M. N. M., YAĞIZ ERDEMİR G., NOMA S. A. A., Taskin Tok T., ATEŞ B., ALTUNDAŞ A.  
Chemical Biology Letters, vol.10, no.4, 2023 (ESCI)
- II. **Synthesis and structure analysis of methyl 1-benzyl-5-(phenylamino)methyl-1H-1,2,3-triazole-4-carboxylate**  
Erdemir G., Altundas A.  
ORGANIC COMMUNICATIONS, vol.16, no.1, pp.46-53, 2023 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Biological Evaluation Novel 1,2,3-Triazole-Benzimidazole Structures As MCF-7 and HCT116 Inhibitor**  
Yağız Erdemir G., Altundaş A., Ateş B.  
3rd Anatolian Organic Chemistry, Antalya, Turkey, 13 - 16 March 2023, pp.49
- II. **5-ARİLAMİNOMETİL-1,2,3-TRİAZOLLERİN SENTEZİ**  
Yağız Erdemir G., Altundaş A.  
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.1
- III. **Dimetil 1-benzil-1H-1,2,3-triazol-4,5-dikarboksilat Bileşiklerinin Yer Seçici Olarak İndirgenmesi**  
Yağız Erdemir G., Altundaş A.  
34. ULusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.1
- IV. **(1-Benzil-1H-1,2,3-Triazol-4-il)(Fenil)Metanon Türevlerinin Sentezi ve Mycobacterium Tuberculosis Basili Üzerine Etkilerinin İncelenmesi**  
Yağız Erdemir G., Türkmen Y., Demirel F., Yüksel Mayda P., Altundaş A.  
8.International Drug Cehmistry, Antalya, Turkey, 27 February - 01 March 2020, pp.348
- V. **M. Tuberculosis Karşı Antimikrobakteriyal Etki Gösterebilecek (1-Benzil-1H1,2,3-triazol-4-il)(furan-2-il)metanonların Sentezi**  
ALTUNDAŞ A., türkmen y., YÜKSEL MAYDA P., YAĞIZ ERDEMİR G.  
8.International Drug Cehmistry, Antalya, Turkey, 27 February - 01 March 2020
- VI. **α-KETO-1,2,3-TRİAZOLLERİN SENTEZİ**  
Türkmen Y., Yağız G., Altundaş A.  
31. ULUSAL KİMYA KONGRESİ, İstanbul, Turkey, 10 - 13 September 2019, pp.264
- VII. **(1-(Süstitüebenzil)-1H-1,2,3-triazol-4-il)(furan-2-il)metanon Türevlerinin Sentezi ve**

## Karakterizasyonları

türkmen y., YAĞIZ G., ALTUNDAŞ A.

31. ULUSAL KİMYA KONGRESİ, İstanbul, Turkey, 10 - 13 September 2019

### VIII. The Inhibition Effect of 1H-1,2,3-Triazole Compounds on the Xanthine Oxidase (XO) Enzyme

YAĞIZ G., noma s. a. a., ATEŞ B., ALTUNDAŞ A.

7.İLAÇ KİMYASI KONGRESİ, Antalya, Turkey, 14 - 17 March 2019

### IX. Synthesis of 1-Aryl-1H-1,2,3-Triazole-4,5-Dicarboxylate Derivatives and the Inhibition Effect on the Xanthine Oxidase (XO) Enzyme

YAĞIZ G., Ali noma s. a., ATEŞ B., ALTUNDAŞ A.

7. ULUSLARARASI İLAÇ KİMYASI, Antalya, Turkey, 14 - 17 March 2019

### X. The inhibition effect of (1-aryl-1H-1,2,3-triazole-4,5-diyl)dimethanol and dimethyl 1-aryl-1H-1,2,3-triazole-4,5-dicarboxylate on the xanthine oxidase (XO) enzyme

YAĞIZ G., ALTUNDAŞ A.

4th Organic Chemistry, Antalya, Turkey, 4 - 07 October 2018

### XI. Regioselective synthesis of multisubstituted 1,2,3-triazoles

YAĞIZ G., ALTUNDAŞ A.

4th Organic Chemistry, 4 - 07 October 2018

### XII. 1,2,3-Triazol Bileşiklerinde Yükseltgenme ve İndirgenme Tepkimelerinin İncelenmesi

YAĞIZ G., ALTUNDAŞ A.

6.İlaç Kimya Kongresi, Antalya, Turkey, 22 - 25 March 2018

### XIII. Kırmızıya Yakın Bölgede Emisyon Yapan Diketopirolopirol Türevlerinin Sentezi ve Asidik Ortamda Davranışlarının İncelenmesi

YAĞIZ ERDEMİR G., TOPKAYA TAŞKIRAN D., ALP S.

29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017

### XIV. Preparation of Red Emitting Diketopyrrolopyrrole Derivatives

YAĞIZ G., TOPKAYA TAŞKIRAN D., ALP S.

19. JCF Frühjahrs symposium, 29 March - 01 April 2017

### XV. Dönör ve Akseptör Gruplar İçeren Diketopirolopirol Türevlerinin Hazırlanması ve Spektroskopik Çalışmaları

YAĞIZ ERDEMİR G., ALP S., TOPKAYA TAŞKIRAN D.

3.Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016

## Supported Projects

Yağız Erdemir G., Altundaş A., Ateş B., TUBITAK Project, Purin Benzeri 1,2,3-Triazolopiridazinon/1,2,3-Triazolopiridazinotiyon Hibrit Yapıların Sentezi, Antikanser Özelliklerinin ve Apoptotik Etki Mekanizmalarının İncelenmesi, 2022 - 2023

Yağız Erdemir G., Altundaş A., TUBITAK Project, 1,4,5-Trisübstitüe-1,2,3-Triazol Bileşiklerinin Yeni Bir Yöntemle Regio-Selektif Sentezi, 2021 - 2022

YAĞIZ ERDEMİR G., Project Supported by Higher Education Institutions, 2016.kb.fen.012 Kırmızıya Yakın Bölgede Emisyon Yapan Diketopirolopirol Türevlerinin Hazırlanması, 2016 - 2017

## Metrics

Publication: 21

Citation (WoS): 29

Citation (Scopus): 28

H-Index (WoS): 2

H-Index (Scopus): 2

## **Scholarships**

Turkish Education Foundation (TEV), Foundation, 2015 - 2017

## **Non Academic Experience**

TUBITAK, TÜBİTAK, MAM