

## Res. Asst. MÜCAHİT ÖZDEMİR

### Personal Information

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### Education Information

Doctorate, Marmara University, Faculty Of Arts And Sciences, Chemistry, Turkey 2020 - Continues

Post Graduate, Marmara University, Faculty Of Arts And Sciences, Chemistry, Turkey 2017 - 2019

Under Graduate, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 2010 - 2016

### Foreign Languages

English, C1 Advanced

### Dissertations

Post Graduate, Yeni 7-oksi-3-etil-6-hekzil-4-metilkumarin içeren metal ftalosiyanin komplekslerinin sentezi, karakterizasyonu ve bazı fiziksel özelliklerinin incelenmesi, Marmara University, Faculty Of Arts And Sciences, Chemistry, 2019

### Research Areas

Boron Chemistry, Chemistry, Bioinorganic Chemistry, Bioorganic Chemistry, Inorganic Chemistry, Inorganic Ring Compounds, Photochemistry of Inorganic Molecules, Inorganic Polymers, Coordination Chemistry, Organometallic Chemistry, Chemistry of Aromatic Compounds, Photochemistry of Organics, Organic Spectroscopy, Organometallics

### Academic Titles / Tasks

Research Assistant, Marmara University, Faculty Of Arts And Sciences, Chemistry, 2021 - Continues

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

- I. **Synthesis, characterization, and determination of photophysicochemical properties of peripheral and nonperipheral tetra-7-oxy-3,4-dimethylcoumarin substituted zinc, indium phthalocyanines**  
Artuc G. O. , Karapinar B., Ozdemir M., Bulut M.  
Applied Organometallic Chemistry, vol.35, no.1, 2021 (Journal Indexed in SCI Expanded)
- II. **1,2,3-Triazole incorporated coumarin carrying metal-free, Zn(II), Mg(II) phthalocyanines: Synthesis, characterization, theoretical studies, photophysical and photochemical properties**  
Özdemir M., Ablatipova A., Benian S., YALÇIN B., SALAN Ü., Durmuş M., Bulut M.  
Journal of Photochemistry and Photobiology A: Chemistry, vol.403, 2020 (Journal Indexed in SCI Expanded)
- III. **Synthesis, spectroscopic characterization, crystal structure, density functional theory studies and**

- biological properties of coordination complex Ni(II) 2-fluorobenzoate with 3-hydroxypyridine**  
SERTÇELİK M., ÖZBEK F. E. , Taslimi P., Durman M., Ozdemir M., YALÇIN B., NECEFOĞLU H., HÖKELEK T.  
Applied Organometallic Chemistry, vol.34, no.9, 2020 (Journal Indexed in SCI Expanded)
- IV. **Novel lutetium(III) phthalocyanine-coumarin dyads; synthesis, characterization, photochemical, theoretical and antioxidant properties**  
Özdemir M., Köksoy B., YALÇIN B., TAŞKIN T., Selçuki N. A. , SALAN Ü., Durmuş M., Bulut M.  
Inorganica Chimica Acta, vol.517, 2020 (Journal Indexed in SCI Expanded)
- V. **Design and in silico study of the novel coumarin derivatives against SARS-CoV-2 main enzymes**  
Ozdemir M., Koksoy B., Ceyhan D., SAYIN K., Ercag E., Bulut M., YALÇIN B.  
Journal of Biomolecular Structure and Dynamics, 2020 (Journal Indexed in SCI Expanded)
- VI. **7-Oxy-3,4-cyclohexenecoumarin Carrying Novel Zinc(II) and Indium(III) Acetate Phthalocyanines: Synthesis, Characterization, Photophysical and Photochemical Properties**  
Karapınar B., Özdemir M., SALAN Ü., DURMUŞ M., YALÇIN B., Bulut M.  
ChemistrySelect, vol.4, no.33, pp.9632-9639, 2019 (Journal Indexed in SCI Expanded)
- VII. **Synthesis and characterization of novel 7-oxy-3-ethyl-6-hexyl-4-methylcoumarin substituted metallo phthalocyanines and investigation of their photophysical and photochemical properties**  
Özdemir M., Karapınar B., Yalçın B., Salan Ü., Durmuş M., Bulut M.  
Dalton Transactions, vol.48, no.34, pp.13046-13056, 2019 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Analysis of Trace Elements, Cholinesterase Inhibitory Activity, and ADME/Tox Profiling of some Achillea Species**  
TAŞKIN D., Şahin T., Özdemir M., YALÇIN B.  
Journal of the Turkish Chemical Society Section A: Chemistry, vol.8, no.1, pp.331-344, 2021 (Other Refereed National Journals)
- II. **In silico, 6lu7 protein inhibition using dihydroxy-3-phenyl coumarin derivatives for SARS-CoV-2**  
Özdemir M., KÖKSOY B., CEYHAN D., Bulut M., YALÇIN B.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, no.3, pp.691-712, 2020 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Timokinon-oksim'in Melanoma Üzerindeki in vitro Etkisinin Araştırılması**  
GÜLER E. M. , Özdemir M., YALÇIN B.  
32. Ulusal Kimya Kongresi'ni (Kimya 2020), İstanbul, Turkey, 17 - 19 September 2020, pp.133
- II. **SARS-CoV-2 Enzimlerine Karşı Yeni Kumarin-Amin Türevlerinin Tasarımı ve in silico Çalışması**  
Özdemir M., Köksoy B., Ceyhan D., Yalçın B.  
32. Ulusal Kimya Kongresi, İstanbul, Turkey, 17 - 19 September 2020, pp.151
- III. **Synthesis, Characterization and Photophysiological Properties of Secondary Amine Substituted Metal Phthalocyanines**  
YALÇIN B., Özdemir M., GÜLER E. M. , Bulut M.  
INTERNATIONAL CHEMISTRY BIOLOGY CONFERENCE'19, Sharm El Sheikh, Egypt, 1 - 05 August 2019
- IV. **Zinc, Copper and cobalt Phthalocyanines bearing 7-oxy-4,8-dimethyl-3-pentylcoumarin groups: synthesis and characterization**  
Topkan F., Özdemir M., YALÇIN B., Bulut M., DUMLUDAĞ F.  
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- V. **Ficus Carica Ekstraktının Antioksidan Profili ve Mide Kanseri Üzerine Sitotoksik, Genotoksik ve Apoptotik Etkisinin Araştırılması**

GÜLER E. M. , Sezer T., Dündar T., Kaymakçı M. A. , Özdemir M., Batcık Z., Kocyigit A., GÜNEŞ F. E. , YALÇIN B.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019

- VI. **Tetra-[bis(trimetilsilil)amin] Sübstiüe MetalFtalosiyeninlerin Sentezi, Karakterizasyonu ve BazıFizikokimyasal Ölçümlerinin İncelenmesi**  
Özdemir M., Yalçın B., Salan Ü., Özgül Artuç G., Begümhan K., Bulut M.  
30. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018
- VII. **Synthesis and Characterization of Novel  $\alpha$ - and  $\beta$ -tetra[2-benzylphenoxy]-Substituted Metallophthalocyanines**  
Özdemir M., Bulut M., Yalçın B., Salan Ü., Özgül Artuç G., Begümhan K.  
4th Organic Chemistry Congress, Antalya, Turkey, 4 - 07 October 2018
- VIII. **6-Hexyl-7-oxy-4-(4-methoxyphenyl)coumarin Substituted Zinc and Indium Phthalocyanines:Synthesis and Characterization**  
Özdemir M., Bulut M., Yalçın B., Salan Ü., Özgül Artuç G., Karapınar B.  
4th Organic Chemistry Congress, Antalya, Turkey, 4 - 07 October 2018
- IX. **Zinc(II) And Chloroindium(III) Phthalocyanines Bearing 7-oxy-3-ethyl-4-methyl-6-hexylcoumarin Groups: Synthesis,Characterization and Investigation of TheirPhotophysicochemical Properties**  
Özdemir M., Bulut M., YALÇIN B.  
International Conference on Porphyrins and Phthalocyanines (ICPP-10), Cedex, France, 1 - 06 July 2018, pp.547

## Citations

Total Citations (WOS):8

h-index (WOS):1