

## Asst. Prof. MÜCAHİT ÖZDEMİR

### Personal Information

**Email:** mucahitozdemir@marmara.edu.tr

**Web:** <https://avesis.marmara.edu.tr/14534>

### International Researcher IDs

ScholarID: R428xJ4AAAAJ

ORCID: 0000-0002-0840-4953

ScopusID: 57210844522

Yoksis Researcher ID: 338809

### Education Information

Doctorate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 2019 - 2023

Postgraduate, Marmara University, Faculty of Arts and Sciences, Chemistry, Turkey 2017 - 2019

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

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, BODIPY TÜREVLİ ÇAPRAZ BAĞLI ELEKTROAKTİF İNCE FİLMLE VE FOTODESENLEME ÇALIŞMALARI, Marmara University, Faculty of Sciences, Department of Chemistry, 2023

Postgraduate, Yeni 7-oksi-3-etil-6-hekzil-4-metilkumarin içeren metal ftalosiyenin 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 PhD, Marmara University, Faculty of Arts and Sciences, Chemistry, 2021 - Continues

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

1. A New Strategy for Photo-Electrochemical Reduction of Carbon Dioxide Using a Carbazole-BODIPY

### **Based Metal-Free Catalyst**

Özdemir M., Uluçay S., Altınışık S., Köksoy B., Yalçın B., Koyuncu S.  
ADVANCED SUSTAINABLE SYSTEMS, vol.2400812, pp.1-13, 2025 (SCI-Expanded)

- II. **Advanced Functional Polymers: The Role of Tyrosine-Coumarin Modifications in Optical and Electrical Performance**  
Beyazay B., Çelik H., Yücel Y., ÖZDEMİR M., Çalışkan E., Koran K., Biryan F.  
ACS Omega, 2025 (SCI-Expanded)
- III. **DNA and hemoglobin binding activities: Investigation of coumarin-thiosemicarbazone hybrids**  
Çelik E., Meletli F., Özdemir M., Köksoy B., Danış Ö., Yalçın B.  
Bioorganic Chemistry, vol.153, 2024 (SCI-Expanded)
- IV. **Ferrocene Chalcone Enhanced Cyclotriphosphazene Photodiode Systems via Click Chemistry: Their Synthesis, Electrical, and Photophysical Properties**  
Kattan M., Şeker F. S., Çetiner R., ÖZDEMİR M., Biryan F., Koran K.  
Inorganic Chemistry, vol.63, no.44, pp.21130-21142, 2024 (SCI-Expanded)
- V. **Crystal structure, DFT studies, in silico evaluation of as a potential inhibitor against monkeypox virus, and ADMET properties of tetrachlorometallate salts of procaine**  
Öztürkkan F. E., Özdemir M., Akbaba G. B., Yalçın B., Necefoğlu H.  
Chemical Papers, vol.78, no.6, pp.3463-3482, 2024 (SCI-Expanded)
- VI. **The Role of Electron-Donating Subunits in Cross-Linked BODIPY Polymer Films**  
ÖZDEMİR M., Köksoy B., YALÇIN B., KOYUNCU S.  
Macromolecular Rapid Communications, vol.45, no.4, 2024 (SCI-Expanded)
- VII. **Thymoquinone oxime synthesis and its effects on melanoma cells: cytotoxic, genotoxic, and apoptotic evaluation**  
Bozali K., Koc S., Beyaztas H., ÖZDEMİR M., Ozkan B. N., Dumlu F. S., YALÇIN B., Guler E. M.  
Natural Product Research, 2024 (SCI-Expanded)
- VIII. **New Coumarin–Thiosemicarbazone Based Zn(II), Ni(II) and Co(II) Metal Complexes: Investigation of Cholinesterase,  $\alpha$ -Amylase, and  $\alpha$ -Glucosidase Enzyme Activities, and Molecular Docking Studies**  
Çelik E., Özdemir M., Köksoy B., Taşkın Tok T., Taslimi P., Sadeghian N., Yalçın B.  
CHEMISTRYSELECT, vol.8, no.38, pp.1-13, 2023 (SCI-Expanded)
- IX. **Visible Light-Induced Synthesis of Conjugated Poly(phenylene butadiynylene) by a Combination of Halide Abstraction and Coupling Reactions**  
Nakipoglu B., Aydoğan C., ÖZDEMİR M., Yağcı Y., KOYUNCU S., Kışkan B.  
Macromolecules, vol.56, no.16, pp.6267-6275, 2023 (SCI-Expanded)
- X. **Electron-Donating and Electron-Withdrawing Subunit Effects on Coumarin-BODIPY Dyads: Optical and Electrochemical Properties and Molecular Interactions**  
Köksoy B., Özdemir M., Altınışık S., Zorlu Y., Yalçın B., Durmuş M., Koyuncu S.  
ChemPhotoChem, vol.7, no.8, 2023 (SCI-Expanded)
- XI. **Pyridine derivatives complexes of Co(II) and Ni(II) 3-bromobenzoates: Crystal structure, in silico anti-SARS-CoV-2 potential, serum albumin binding properties and cytotoxicity**  
Öztürkkan F. E., ÖZDEMİR M., Akbaba G. B., Sertçelik M., YALÇIN B., ŞAHİN E.  
Applied Organometallic Chemistry, vol.37, no.3, 2023 (SCI-Expanded)
- XII. **7,8-Dihydroxycoumarin derivatives: In silico molecular docking and in vitro anticholinesterase activity**  
Özdemir M., Taşkın D., Ceyhan D., Köksoy B., Taşkın T., Bulut M., Yalçın B.  
Journal of Molecular Structure, vol.1274, 2023 (SCI-Expanded)
- XIII. **Photophysical and photochemical properties and comparison of tolyl and tosyl coumarin-bearing phthalocyanines**  
Kazancıçok Z., Güler H. E., Özdemir M., Pişkin M., Bulut M., Yalçın B., Salan Ü.  
Journal of Molecular Structure, vol.1274, 2023 (SCI-Expanded)
- XIV. **Symmetrical and Asymmetrical Thiophene-Coumarin-Based Organic Semiconductors**  
Altınışık S., Özdemir M., Kortun A., Zorlu Y., Yalçın B., Köksoy B., Koyuncu S.

ACS Omega, 2023 (SCI-Expanded)

- XV. **TQ-Ox, a novel synthetic derivative of thymoquinone on ovarian cancer cells in vitro**  
Kale E., Kale A., Bozali K., Gulgec A. S., Özdemir M., Yalçın B., Guler E. M.  
Natural Product Research, vol.37, no.18, pp.3015-3024, 2023 (SCI-Expanded)
- XVI. **Direct Photopatterning of BODIPY-Based Small Molecules via Thiol-ene Click Chemistry**  
ÖZDEMİR M., ALTINIŞIK S., Ömeroğlu İ., Köksoy B., Durmuş M., YALÇIN B., KOYUNCU S.  
ChemNanoMat, vol.9, no.1, 2023 (SCI-Expanded)
- XVII. **Hydrogen-bond-driven supramolecular helical assembly of a coumarin-substituted phthalonitrile derivative: synthesis and in vitro anticancer activity against colorectal adenocarcinoma**  
Topkan F., ÖZDEMİR M., Ozkan B. N., Bozali K., Guler E. M., Zorlu Y., Bulut M., GÖRGÜLÜ A. O., YALÇIN B.  
ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY, vol.78, pp.1143-1155, 2022 (SCI-Expanded)
- XVIII. **Vegetable oil-based, coumarin-containing antibacterial thermosets with improved thermal stability via copper-free thermal azide-alkyne click polymerization**  
ÇAKMAKÇI E., Ozdemir M., Sen F., Bulut M., YALÇIN B.  
INDUSTRIAL CROPS AND PRODUCTS, vol.182, 2022 (SCI-Expanded)
- XIX. **Tetra-Carbazole based electroactive donor-acceptor dyes: Effect of the phenyl bridging unit on the electrochromic performance**  
Doyranlı C., Altınışık S., Özdemir M., Koyuncu S.  
DYES AND PIGMENTS, vol.204, 2022 (SCI-Expanded)
- XX. **Synthesis, structural characterization, theoretical and electrical properties of novel sulpho-coumarin based methacrylate polymer**  
ÖZDEMİR M., Biryan F., Koran K., YALÇIN B., GÖRGÜLÜ A. O.  
Journal of Polymer Research, vol.29, no.5, 2022 (SCI-Expanded)
- XXI. **New metallophthalocyanines including benzylphenoxy groups and investigation of their organic-field effect transistor (OFET) features**  
ÖZDEMİR M., ALTINIŞIK S., Koksoy B., Canimkurbey B., KOYUNCU S., Durmuş M., Bulut M., YALÇIN B.  
DYES AND PIGMENTS, vol.200, 2022 (SCI-Expanded)
- XXII. **Synthesis, crystal structure, potential drug properties for Coronavirus of Co(II) and Zn(II) 2-chlorobenzoate with 3-cyanopyridine complexes**  
Öztürkkan F. E., Özdemir M., Akbaba G. B., Sertçelik M., Yalçın B., Necefoğlu H., Hökelek T.  
Journal of Molecular Structure, vol.1250, 2022 (SCI-Expanded)
- XXIII. **Synthesis and photovoltaic properties of novel ferrocene-substituted metallophthalocyanines**  
Özdemir M., Köksoy B., Kuruca H., Altındal A., Durmuş M., Koyuncu S., Yalçın B., Bulut M.  
Dalton Transactions, vol.51, no.2, pp.570-579, 2022 (SCI-Expanded)
- XXIV. **Synthesis, biological and theoretical properties of crystal zinc complex with thiosemicarbazone of glyoxylic acid**  
Huseynova M., Farzaliyev V., Medjidov A., Aliyeva M., Özdemir M., Taslimi P., Zorlu Y., Yalçın B., Şahin O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1248, 2022 (SCI-Expanded)
- XXV. **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, vol.40, no.11, pp.4905-4920, 2022 (SCI-Expanded)
- XXVI. **Phthalocyanines bearing silazane group for colorectal cancer**  
Özdemir M., Artuc G. O., Guler E. M., Yalçın B., Salan Ü., Bozali K., Görgülü A. O., Bulut M.  
Dyes and Pigments, vol.196, 2021 (SCI-Expanded)
- XXVII. **Synthesis, characterization, photophysics, and photochemistry of peripherally substituted tetrakis(quinolinylethylenepenoxy)-substituted zinc(ii) phthalocyanines**  
Özdemir M., Özgül Artuç G., Akkurt B., Yalçın B., Salan Ü., Durmuş M., Bulut M.  
NEW JOURNAL OF CHEMISTRY, vol.45, pp.9912-9921, 2021 (SCI-Expanded)
- XXVIII. **Novel lutetium(III) phthalocyanine-coumarin dyads; synthesis, characterization, photochemical, theoretical and antioxidant properties**  
Özdemir M., Köksoy B., Yalçın B., Taşkın T., Selçuki N. A., Salan Ü., Durmuş M., Bulut M.

INORGANICA CHIMICA ACTA, vol.517, 2021 (SCI-Expanded)

- XXXI. **Synthesis, characterization, and determination of photophysicochemical properties of peripheral and nonperipheral tetra-7-oxy-3,4-dimethylcoumarin substituted zinc, indium phthalocyanines**  
Artuc G. O., Karapınar B., Özdemir M., Bulut M.  
Applied Organometallic Chemistry, vol.35, no.1, 2021 (SCI-Expanded)
- XXX. **1,2,3-Triazole incorporated coumarin carrying metal-free, Zn(II), Mg(II) phthalocyanines: Synthesis, characterization, theoretical studies, photophysical and photochemical properties**  
Özdemir M., Abliatipova A., Benian S., Yalçın B., Salan Ü., Durmuş M., Bulut M.  
Journal of Photochemistry and Photobiology A: Chemistry, vol.403, 2020 (SCI-Expanded)
- XXXI. **Synthesis, spectroscopic characterization, crystal structure, density functional theory studies and biological properties of coordination complex Ni(II) 2-fluorobenzoate with 3-hydroxypyridine**  
Sertçelik M., Öztürkkan F. E., Taslimi P., Durman M., Özdemir M., Yalçın B., Necefoğlu H., Hökelek T.  
Applied Organometallic Chemistry, vol.34, no.9, 2020 (SCI-Expanded)
- XXXII. **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., Yalçın B., Bulut M.  
ChemistrySelect, vol.4, no.33, pp.9632-9639, 2019 (SCI-Expanded)
- XXXIII. **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 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Integrating of In Silico and In Vitro Approaches to Determine Biological Activities of Abelmoschus esculentus's Seeds**  
Taşkın T., Mente S., Ekentok Atıcı C., Ermanoğlu M., Özdemir M., Yalçın B., Omurtag G. Z.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.11, no.4, pp.1515-1526, 2024 (Peer-Reviewed Journal)
- II. **Crystal and Molecular Structure of The Mixed-Metal Manganese(II) and Cobalt(II) Maleate Complex: [Co<sub>x</sub>Mn<sub>1-x</sub>(OOCCH=CHCOO).(H<sub>2</sub>O)<sub>2</sub>]<sub>n</sub>**  
Mejidov A. A., Guliyeva E. A. A., Fatullayeva P. A., Yalcin B., Özdemir M., Aliyev A. S.  
Journal of the Turkish Chemical Society Section A: Chemistry, vol.11, no.1, pp.269-278, 2024 (Scopus)
- III. **Salvia Officinalis and Malva Sylvestris Medicinal Plants as a Source of Potent Bioactive Compounds with Its Synergistic Antiviral Properties Against COVID-19: in silico analysis**  
SARAÇOĞLU İ. A., ÖZDEMİR M., SAYIN K., ÇAKIR K., ENÖZ M., CEYHAN D., YALÇIN B.  
Biological and Chemical Research, vol.10, pp.17-32, 2023 (Peer-Reviewed Journal)
- IV. **Nasal Sprays Containing Mometasone Furoate Can Be Used Prophylactically in COVID-19 Infection and Related Smell Disorders**  
Enöz M., Özdemir M., Yalçın B.  
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.13, no.3, pp.537-540, 2023 (ESCI)
- V. **In silico study and structure-activity relations of glucose-bound coumarin derivatives against the NSP12 protein of SARS-CoV-2**  
Çelik E., Özdemir M., Yalçın B., Köksoy B.  
Journal of Ata-Chem, vol.1, no.1, pp.29-37, 2021 (Peer-Reviewed Journal)
- VI. **LC-ESI-tandem MS and in silico ADMET analysis of polyphenols from Rhus coriaria L. and Micromeria fruticosa (L.) Druce ssp. brachycalyx P. H. Davis**  
Taşkın D., Özdemir M., Yalçın B.  
FUTURE JOURNAL OF PHARMACEUTICAL SCIENCES, vol.7, no.1, 2021 (ESCI)
- VII. **Analysis of Trace Elements, Cholinesterase Inhibitory Activity, and ADME/Tox Profiling of some**

### **Achillea Species**

TAŞKIN D., ŞAHİN T., ÖZDEMİR M., YALÇIN B.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.8, no.1, pp.329-342, 2021 (Scopus)

### **VIII. Analysis of Trace Elements, Anticholinesterase Activity and ADME/Tox Profiling of some Achillea Species**

Taşkın D., Şahin T., Özdemir M., Yalçın B.

Journal of the Turkish Chemical Society Section A: Chemistry, vol.8, no.1, pp.329-342, 2021 (Scopus)

### **IX. In silico, 6lu7 protein inhibition using dihydroxy-3-phenyl coumarin derivatives for SARS-CoV-2**

Özdemir M., Köksoy B., Ceyhan D., Bulut M., Yalçın B.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, no.3, pp.691-712, 2020 (Scopus)

## **Papers Published in Refereed Scientific Meetings**

- I. **Tiyol-en Klik Kimyası ile Elde Edilen Tiyofen-BODIPY Çapraz Bağlı Polimerlerin Çok Yönlü Uygulamaları**  
YALÇIN B., ÖZDEMİR M., ALTINIŞIK S., KÖKSOY B., KOYUNCU S.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024
- II. **Kumarin Temelli Silisyum Ftalosiyaninlerin Sentezi ve Bazı Özelliklerinin İncelenmesi**  
YALÇIN B., GÜNEŞ A., ÖZDEMİR M., AĞIRTAŞ M. S.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024
- III. **Suda çözümlü kumarinlerin kan serumuna bağlanma çalışması**  
Ozan G., Doğru M., Kazancıçok Z., Özdemir M., Yalçın B., Salan Ü.  
9. Ulusal Anorganik Kimya Kongresi, Ankara, Turkey, 16 May 2024, pp.383-384
- IV. **2,6-distyrene substituted meso phenyl/carbazole BODIPY derivatives: Synthesis, Characterization and Optical Features**  
KÖKSOY B., ÖZDEMİR M., ALTINIŞIK S., KOYUNCU S., YALÇIN B.  
19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023
- V. **Direct Photopatterning of Distyryl BODIPY Molecules Carrying Donor Groups: ThiolEne Click Chemistry Approach**  
ÖZDEMİR M., KÖKSOY B., KOYUNCU S., YALÇIN B.  
19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023
- VI. **Direct Photopatterning of Distyryl BODIPY Molecules Carrying Donor Groups: Thiol- Ene Click Chemistry Approach**  
ÖZDEMİR M., KÖKSOY B., KOYUNCU S., YALÇIN B.  
19th Asian Chemical Congress, İstanbul, Turkey, 9 - 14 July 2023
- VII. **Yeni Metil (7-Hidroksi-8-Metil-2-Okso-2H-Benzopiran-4-Yl) Asetat Kumarin İçeren Ftalosiyaninin Kimyasal Özelliklerinin İncelenmesi**  
DOĞAN Y., DİCLE C., GÖRGÜLÜ A. O., YALÇIN B., BULUT M., ÖZDEMİR M.  
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022
- VIII. **Çoklu Metoksi Fonksiyonel Grupları İçeren aza-BODIPY Bileşiklerinin Sentezi ve Fotofizikokimyasal Özellikleri**  
KAZANCIÇOK Z., ÖZDEMİR M., SALAN Ü., YALÇIN B.  
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022
- IX. **Yeni Kumarin-Tiyosemikarbazon Türevleri ve Metal Komplekslerinin Sentezi, Karakterizasyonu ve Kolon Kanseri Aktivitesinin Araştırılması**  
ÇELİK E., ÖZDEMİR M., ÖZKAN B. N., GÜLER E. M., KÖKSOY B., YALÇIN B.  
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022
- X. **Anticancer Effect of Phthalocyanine Derivatives on Colorectal Cancer: in vitro and in vivo model**  
GÜLER E. M., ÖZDEMİR M., YALÇIN B., KOÇYİĞİT A.  
2nd International Multidisciplinary Cancer Research Congress, Giresun, Turkey, 21 - 24 July 2022

- XI. **New Donor–Acceptor–Donor–Acceptor–Donor architected crosslinkable conjugated pentamers**  
AKTAŞ A., ÖZDEMİR M., KOYUNCU S.  
15th International Symposium on Flexible Organic Electronics, Thessaloniki, Greece, 4 - 07 July 2022
- XII. **SARS-CoV-2 OMICRON VARYANTININ SPIKE PROTEİNİNE KARŞI DOĞAL KUMARİNLERİN TARANMASI: In Silico BİR HESAPLAMA YAKLAŞIMI**  
ÖZDEMİR M., YALÇIN B., ÖZTÜRKKAN F. E., AKBABA G. B., SERTÇELİK M., NECEFOĞLU H.  
The XXIII International Scientific Symposium, Kars, Turkey, 27 February 2022
- XIII. **4-Fenil-2H-Kromen-2-On İçeren Periferel ve Nonperiferel Cu ve Zn Ftalosiyeninlerin Sentezi ve Fotostabilitelelerinin İncelenmesi**  
Dicle C., Özdemir M., Görgülü A. O., Yalçın B.  
4th International Eurasian Conference on Biological and Chemical Sciences (Eurasianbiochem 2021), Ankara, Turkey, 24 - 26 November 2021, pp.1132
- XIV. **Yeni 7-hidroksi-8-metil-4-(2,3,4,5-tetraflorofenil)kumarin içeren periferel, non-periferel metalli ftalosiyeninlerin sentezi ve karakterizasyonu**  
Kazancıçok Z., Özdemir M., Salan Ü.  
4th International Eurasian Conference on Biological and Chemical Sciences (Eurasianbiochem 2021), Ankara, Turkey, 24 November - 26 December 2021, pp.1159
- XV. **Yeni Kumarin-Tiyosemikarbazone ve Onun Metal Komplekslerinin Sentezi, Karakterizasyonu ve Özelliklerinin İncelenmesi**  
ÇELİK E., ÖZDEMİR M., KÖKSOY B., YALÇIN B.  
33. Ulusal Kimya Kongresi, Tekirdağ, Turkey, 7 - 09 October 2021
- XVI. **Biological and Theoretical Properties of Crystal Zn Complex with Glyoxylic Acid of Thiosemicarbazone**  
Huseynova M., Mahizar A., Yalçın B., Özdemir M., Efendiyeva S.  
1st International Symposium on Recent Advances in Fundamental and Applied Sciences (ISFAS-2021), Erzurum, Turkey, 10 - 12 September 2021, pp.457-460
- XVII. **Novel Zinc Compound with Thiosemicarbazone of Glyoxylic Acid: DFT Calculations**  
Huseynova M., Aliyeva M., Medcidov A., Yalçın B., Özdemir M., Hamidova S., Talibli S.  
1st International Congress on Natural Sciences (ICNAS-2021), Erzurum, Turkey, 10 - 12 September 2021, pp.558-560
- XVIII. **Keto-Kumarin Grubu İçeren Ftalosiyeninlerin Sentezi ve Elektrokimyasal Özelliklerinin İncelenmesi**  
Abliatipova A., Özdemir M., Yalçın B., Bulut M.  
VIII. Ulusal Anorganik Kimya Kongresi, Tekirdağ, Turkey, 2 - 05 September 2021, pp.126-127
- XIX. **Ferrosen Grubu Taşıyan Ftalosiyeninlerin Sentezi ve Fotovoltaik Özelliklerinin İncelenmesi**  
Özdemir M., Köksoy B.  
VIII. Ulusal Anorganik Kimya Kongresi , Tekirdağ, Turkey, 2 - 05 September 2021, pp.70
- XX. **Timokinon-oksım'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
- XXI. **SARS-CoV-2 Enzimlerine Karşı Yeni Kumarin-Amin Türevlerinin Tasarımı ve in siliko Çalışması**  
Özdemir M., Köksoy B., Ceyhan D., Yalçın B.  
32. Ulusal Kimya Kongresi, İstanbul, Turkey, 17 - 19 September 2020, pp.151
- XXII. **Synthesis, Crystal Structure, DFT Calculations, Hirsfeld Analysis, and Bioactivity Evaluation of Zinc Compound with Thiosemicarbazone of Glyoxylic Acid Properties**  
Huseynova M., Farzaliyev V., Medjidov A., Aliyeva M., Özdemir M., Taslimi P., Yalçın B., Şahin O.  
Second International Scientific Conference of Young Scientists and Specialists (ANAS-75), Baku, Azerbaijan, 3 - 06 March 2020, pp.356-357
- XXIII. **Synthesis, Characterization and Photophysiological Properties of Secondary Amine Substituted Metal Phthalocyanines**  
Yalçın B., Özdemir M., Güler E. M., Bulut M.  
International Chemistry Biology Conference 19 (ChemBioCon19), Kafr-Ash-Shaykh, Egypt, 1 - 05 August 2019,

pp.30

- XXIV. **Zinc, Copper and cobalt Phthalocyanines bearing 7-oxy-4,8-dimethyl-3-pentylcoumarin groups: synthesis and characterization**  
Topkan F., Özdemir M., Yalçın B., Bulut M., Dumludağ F.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.331
- XXV. **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., Batçık Z., Kocyigit A., Güneş F. E., Yalçın B.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019
- XXVI. **Tetra-[bis(trimetilsilil)amin] Süstitüe Metal Ftalosiyanimlerin Sentezi, Karakterizasyonu ve Bazı Fizikokimyasal 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, pp.213-214
- XXVII. **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
- XXVIII. **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
- XXIX. **Zinc(II) and Chloroindium(III) phthalocyanines bearing 7-oxy-3-ethyl-4-methyl-6-hexylcoumarin groups: Synthesis, characterization and investigation of their photophysicochemical properties**  
ÖZDEMİR M., BULUT M., YALÇIN B.  
Tenth International Conference on Porphyrins and Phthalocyanines ICPP-10, Munich, Germany, 1 - 06 July 2018, pp.547

## Supported Projects

- Özdemir M., Bouabellou M., Danış Ö., Project Supported by Higher Education Institutions, Ftalonitril-Kumarin Türevlerinin İnsan Monoamin Oksidaz A ve B Enzimi Üzerine Etkilerinin İncelenmesi, 2024 - 2026
- Demir Kanmazalp S., Yalçın B., Danış Ö., Meletli F., Özdemir M., TUBITAK Project, Synthesis and In Vitro/In Silico Investigation of New Iminocoumarin Derivatives with Anti-Urease Potential, 2024 - 2025
- Demir S., Yalçın B., Meletli F., Özdemir M., Project Supported by Higher Education Institutions, In Vitro and In Silico Investigation of the Effects of Coumarin-Phthalonitrile Derivatives on Coagulation Factor Xa Activity and Their Binding to Serum Albumin, 2023 - 2025
- Özdemir M., Yalçın B., Koyuncu S., Köksoy B., TUBITAK Project, Tiyol-en klik kimyası yoluyla aza-BODIPY türevlerinin fotodesenleme çalışmaları, 2023 - 2024
- Özdemir M., TUBITAK Project, Bilim Ve Teknoloji, 2022 - 2023
- Özdemir M., Kurtuluş Z., TUBITAK Project, Yeni Bir Kalkon Kumarin Sentezi ve Fe(II) İyonu Tayin Yöntemi Geliştirilmesi, 2022 - 2023
- Özdemir M., Koyuncu S., Yalçın B., Project Supported by Higher Education Institutions, BODIPY türevli çapraz bağlı elektrokromik ince filmler ve fotodesenleme çalışmaları, 2022 - 2023
- Koran K., Görgülü A. O., TUBITAK Project, Yeni Peptit Süstitüentli Siklofosfazenlerin Sentezi, Karakterizasyonu, Sitotoksisite ve DNA Hasarı İncelenmesi, 2018 - 2021
- Özdemir M., Yalçın B., Bulut M., Project Supported by Higher Education Institutions, 7-Oksi-3-etil-6-hekzil-4-metilkumarin içeren metal ftalosiyanim komplekslerinin sentezi, karakterizasyonu ve bazı fiziksel özelliklerinin incelenmesi, 2018 - 2019

## **Memberships / Tasks in Scientific Organizations**

Türkiye Kimya Derneđi, Member, 2017 - Continues, Turkey

## **Metrics**

Publication: 71

Citation (WoS): 100

Citation (Scopus): 171

H-Index (WoS): 6

H-Index (Scopus): 9