

# Prof. Esra TANRIVERDİ EÇİK

## Personal Information

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## International Researcher IDs

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Yoksis Researcher ID: 30585

## Education Information

Post Doctorate, Ihsan Dogramaci Bilkent University, Ulusal Nanoteknoloji Araştırma Merkezi, Turkey 2012 - 2013

Doctorate, Gebze Technical University, Institute Of Science, Kimya/Anorganik Kimya, Turkey 2004 - 2009

Postgraduate, Gebze Technical University, Institute Of Science, Kimya/Anorganik Kimya, Turkey 2002 - 2004

Undergraduate, Istanbul University, Mühendislik Fakültesi, Kimya, Turkey 1997 - 2001

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, N3P3NH(CH2)3OHCl4 ve N3P3NH(CH2)3NMeCl4 Bileşiklerinin Mono ve Difonksiyonlu Reaktiflerle Reaksiyonlarında NH-Cis Etkisinin İncelenmesi, Gebze Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Anorganik Kimya, 2009

Postgraduate, SPERMİN TÜREVİ SİKLOTRİFOSFAZATRİEN İLE ALKOLLERİN REAKSİYONLARI, Gebze Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Anorganik Kimya, 2004

## Research Areas

Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Inorganic Ring Compounds, Photochemistry of Inorganic Molecules, Coordination Chemistry, Chemistry of Dyes and Pigments, Natural Sciences

## Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Kimya, 2021 - Continues

Associate Professor, Ataturk University, Fen Fakültesi, Kimya, 2019 - 2021

Associate Professor, Gebze Technical University, Faculty Of Basic Sciences, Kimya/Anorganik Kimya, 2015 - 2019

Other, Ihsan Dogramaci Bilkent University, Ulusal Nanoteknoloji Araştırma Merkezi, Kimya, 2012 - 2013

Research Assistant PhD, Gebze Technical University, Faculty Of Basic Sciences, Kimya, 2009 - 2012

Research Assistant, Gebze Technical University, Faculty Of Basic Sciences, Kimya, 2005 - 2009

## Academic and Administrative Experience

Birim Kalite Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Kimya, 2021 - Continues  
Eğitim ve Müfredat Kurulu üyesi, Ataturk University, Fen Fakültesi, Kimya, 2021 - Continues  
Member of Department FEDEK Commission, Ataturk University, Fen Fakültesi, Kimya, 2021 - Continues  
Bölüm Kalite Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Kimya, 2020 - Continues  
Member of Department FEDEK Commission, Ataturk University, Fen Fakültesi, Kimya, 2019 - Continues  
Vice Dean, Ataturk University, Fen Fakültesi, Kimya, 2023 - 2024  
Faculty Management Board Member, Ataturk University, Fen Fakültesi, Kimya, 2023 - 2024  
Faculty Board Member, Ataturk University, Fen Fakültesi, Kimya, 2023 - 2024  
Member of Unit Strategic Planning Commission, Ataturk University, Fen Fakültesi, Kimya, 2021 - 2024  
Deputy Head of Department, Ataturk University, Fen Fakültesi, Kimya, 2019 - 2023  
Birim Kalite Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Kimya, 2019 - 2022

## Courses

Anorganik Kimya I, Undergraduate, 2024 - 2025  
Proje I, Undergraduate, 2024 - 2025, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Genel Kimya Laboratuvarı I, Undergraduate, 2024 - 2025  
Koordinasyon Kimyası, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Anorganik Kimya III, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Baş Grup Kimyası I, Doctorate, 2022 - 2023, 2020 - 2021  
Anorganik Kimya Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
İleri Anorganik Kimya II, Postgraduate, 2021 - 2022  
Koordinasyon ve Kataliz, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Proje II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Anorganik Tepkime Mekanizmaları, Undergraduate, 2019 - 2020  
Seminer, Undergraduate, 2019 - 2020  
Genel Kimya, Undergraduate, 2019 - 2020

## Advising Theses

Tanrıverdi Eçik E., Siklotrifosfazen Temelli Yeni Moleküler Sistemler, Postgraduate, B.KÖSE(Student), 2024  
Tanrıverdi Eçik E., Kimyasal ve Biyolojik Uygulamalara Yönelik Yeni Siklotrifosfazen Çekirdekli Fotoduyarlayıcıların Geliştirilmesi, Doctorate, E.YILDIZ(Student), 2024  
TANRIVERDİ EÇİK E., BODİPY SUBSTİTÜE SİKLOTRİFOSFAZEN BİLEŞİKLERİNİN SENTEZİ VE SİNGLET OKSİJEN ÜRETİM ÖZELLİKLERİNİN İNCELENMESİ, Postgraduate, Z.CEBESOY(Student), 2016

## Jury Memberships

Doctorate, Doctorate, Gebze Teknik Üniversitesi, June, 2024  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kırşehir Ahi Evran Üniversitesi, March, 2024  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gaziantep Üniversitesi, March, 2024  
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Atatürk Üniversitesi, February, 2024  
Doctorate, Doctorate, Gebze Teknik Üniversitesi, January, 2024  
Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi-Cerrahpaşa, October, 2023  
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2023

Doctorate, Doctorate, Gebze Teknik Üniversitesi, July, 2023  
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2023  
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, January, 2023  
Associate Professor Exam, Associate Professor Exam, December, 2022  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, June, 2022  
Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, January, 2022  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, January, 2022  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2021  
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, August, 2021  
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, June, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, June, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, June, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021  
Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, June, 2021  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2021  
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, January, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, January, 2021  
Academic Staff Examination, Academic Staff Examination, Atatürk Üniversitesi, July, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, July, 2020  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, July, 2020  
Doctoral Examination, Doctoral Examination, Gebze Teknik Üniversitesi, July, 2020  
Doctorate, Doctorate, Gebze Teknik Üniversitesi, January, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, January, 2020  
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, January, 2020  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, January, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gebze Teknik Üniversitesi, January, 2020  
Post Graduate, Z.KILIÇ, Gebze Teknik Üniversitesi, June, 2019

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

- I. **Novel Schiff base decorated cyclotriphosphazene chemosensors for Fe and Cu ions detection**  
Şenkuytu E., Tanrıverdi Eçik E.  
Journal of Molecular Structure, vol.1321, 2025 (SCI-Expanded)
- II. **Enhanced photodiode performance: Au/boron-dipyrromethene/n-Si/Ag structure unveiling high photosensitivity and efficiency**  
Duman S., YILDIZ GÜL E., AYDEMİR M., SELVİTOPI H., ÖZNÜLÜER ÖZER T., TANRIVERDİ EÇİK E.  
OPTICS AND LASER TECHNOLOGY, vol.181, 2025 (SCI-Expanded)
- III. **A new lab-made screen-printed electrode system based on reduced graphene oxide-subphthalocyanine functionalized with ferrocene for electrochemical detection of acetaminophen**  
Alahmad H., YILDIZ GÜL E., Topaloğlu Aksoy B., Biryant F., Koran K., TANRIVERDİ EÇİK E., Bas S. Z., Atacan K., Ersoz M., Ozmen M., et al.  
Microchemical Journal, vol.208, 2025 (SCI-Expanded)

- IV. **Cyclotriphosphazene-Based Photocatalysts containing Orthogonal BODIPY Moieties for Chemical Transformations**  
YILDIZ GÜL E., TANRIVERDİ EÇİK E.  
CHEMPHOTOCHEM, vol.8, no.9, 2024 (SCI-Expanded)
- V. **Performance of new cyclotriphosphazene derivatives in photocatalytic reactions**  
YILDIZ GÜL E., KİSHALI N., ŞENKUYTU E., TANRIVERDİ EÇİK E.  
NEW JOURNAL OF CHEMISTRY, vol.48, no.25, pp.11555-11564, 2024 (SCI-Expanded)
- VI. **BODIPY precursors and their cyclotriphosphazene Derivatives: Synthesis, photochemical properties and their application in PDT**  
YILDIZ GÜL E., Aydın Karataş E., Aydın Doğan H., Yenilmez Çiftçi G., TANRIVERDİ EÇİK E.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.311, 2024 (SCI-Expanded)
- VII. **A fully conjugated imidazole-fused perylene phenantroline ruthenium(II) complex in photocatalytic oxidation**  
Aksakal N. E., Aksakal F., YILDIZ GÜL E., Eçik E., Yuksel F.  
Inorganica Chimica Acta, vol.562, 2024 (SCI-Expanded)
- VIII. **Thiophene BODIPY-substituted cyclotriphosphazene-derived photosensitizers for photodynamic therapy applications**  
YILDIZ GÜL E., ERDEM M., Kazan H. H., TANRIVERDİ EÇİK E.  
NEW JOURNAL OF CHEMISTRY, vol.47, no.37, pp.17469-17480, 2023 (SCI-Expanded)
- IX. **BODIPY-GO nanocomposites decorated with a biocompatible branched ethylene glycol moiety for targeted PDT**  
Gunduz E. O., Atajanov R., Gedik M. E., Tanrıverdi Eçik E., Gunaydin G., Okutan E.  
DALTON TRANSACTIONS, vol.52, no.17, pp.5466-5477, 2023 (SCI-Expanded)
- X. **Erlotinib-Modified BODIPY Photosensitizers for Targeted Photodynamic Therapy**  
Gül E., Karataş E. A., Doğan H. A., Karataş Ö. F., Çoşut B., Eçik E.  
CHEMMEDCHEM, vol.18, no.2, 2023 (SCI-Expanded)
- XI. **Synthesis, characterization, photophysical, and photochemical studies of BODIPY derivatives**  
Gunduz E. O., Gurbuz H. E., Tasasiz B., YILDIZ GÜL E., TANRIVERDİ EÇİK E., OKUTAN E.  
NEW JOURNAL OF CHEMISTRY, vol.46, no.41, pp.19702-19711, 2022 (SCI-Expanded)
- XII. **Naphthalimide-BODIPY dyads: Synthesis, characterization, photophysical properties, live cell imaging and antimicrobial effect**  
Eserci H., Cetin M., AYDINOĞLU F., TANRIVERDİ EÇİK E., OKUTAN E.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1265, 2022 (SCI-Expanded)
- XIII. **Design of novel photosensitizers and controlled singlet oxygen generation for photodynamic therapy**  
TANRIVERDİ EÇİK E., Bulut O., Kazan H. H., ŞENKUYTU E., ÇOŞUT B.  
NEW JOURNAL OF CHEMISTRY, vol.45, pp.16298-16305, 2021 (SCI-Expanded)
- XIV. **Dual color triads: synthesis, photophysics and applications in live cell imaging**  
TANRIVERDİ EÇİK E., Ozcan E., Kazan H. H., Erol I., ŞENKUYTU E., ÇOŞUT B.  
NEW JOURNAL OF CHEMISTRY, vol.45, pp.9984-9994, 2021 (SCI-Expanded)
- XV. **2-Hydroxyanthraquinone substituted cyclotriphosphazenes: Synthesis and cytotoxic activities in cancer cell lines**  
Yenilmez Çiftçi G., Demir G., ŞENKUYTU E., TANRIVERDİ EÇİK E., Aksahin M., Yıldırım T.  
INORGANICA CHIMICA ACTA, vol.514, 2021 (SCI-Expanded)
- XVI. **Synthesis of the first 2-hydroxyanthraquinone substituted cyclotriphosphazenes and their cytotoxic properties**  
Yenilmez Ciftci G., Bayik N., TANRIVERDİ EÇİK E., ŞENKUYTU E., Aksahin M., Yildirim T.  
NEW JOURNAL OF CHEMISTRY, vol.44, no.39, pp.16733-16740, 2020 (SCI-Expanded)
- XVII. **Novel BODIPY-subphthalocyanine dyads with reasonable photodynamic therapy behaviours**  
Kazan H. H., Ozcan E., ÇOŞUT B., YENİLMEZ ÇİFTÇİ G., TANRIVERDİ EÇİK E.  
NEW JOURNAL OF CHEMISTRY, vol.44, no.32, pp.13738-13744, 2020 (SCI-Expanded)

- XVIII. **Fabrication of hybrid photodiode systems: BODIPY decorated cyclotriphosphazene covalently grafted graphene oxides**  
Ozcan E., Aksoy B. T., TANRIVERDİ EÇİK E., DERE A., Karabulut A., YAKUPHANOĞLU F., ÇOŞUT B.  
INORGANIC CHEMISTRY FRONTIERS, vol.7, no.16, pp.2920-2931, 2020 (SCI-Expanded)
- XIX. **Cyclotriphosphazene cored naphthalimide-BODIPY dendrimeric systems: Synthesis, photophysical and antimicrobial properties**  
Şenkuytu E., Öztürk E., Aydınoglu F., TANRIVERDİ EÇİK E., Okutan E.  
Inorganica Chimica Acta, vol.502, 2020 (SCI-Expanded)
- XX. **Cyclotriphosphazene-BODIPY Dyads: Synthesis, halogen atom effect on the photophysical and singlet oxygen generation properties**  
Şenkuytu E., Okutan E., TANRIVERDİ EÇİK E.  
Inorganica Chimica Acta, vol.502, 2020 (SCI-Expanded)
- XXI. **Nucleophilic substitution reactions of monofunctional nucleophilic reagents with cyclotriphosphazenes containing 2,2-dioxybiphenyl units**  
TANRIVERDİ EÇİK E., İBİŞOĞLU H., YENİLMEZ ÇİFTÇİ G., Demir G., Erdemir E., YÜKSEL F.  
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.1, pp.87-109, 2020 (SCI-Expanded)
- XXII. **Solution-processable BODIPY decorated triazine photodiodes and their comprehensive photophysical evaluation**  
Topaloğlu Aksoy B., Keşan G., Özcan E., TANRIVERDİ EÇİK E., Dere A., Karabulut A., Yakuphanoglu F., Çoşut B.  
New Journal of Chemistry, vol.44, no.5, pp.2155-2165, 2020 (SCI-Expanded)
- XXIII. **Thiazole substituted dispiromonoansa and monospiro cyclotriphosphazenes: Design, synthesis and biological activity**  
Yenilmez Çiftçi G., Tanriverdi Eçik E., Goler O., Yuksel F., Duygulu E., Donbaloglu F., Turhal G., Demiroglu-Zergeroglu A.  
Inorganica Chimica Acta, vol.498, 2019 (SCI-Expanded)
- XXIV. **Synthesis of BODIPY-cyclotetraphosphazene triad systems and their sensing behaviors toward Co(II) and Cu(II)**  
TANRIVERDİ EÇİK E., ŞENKUYTU E., OKUTAN E., YENİLMEZ ÇİFTÇİ G.  
INORGANICA CHIMICA ACTA, vol.495, 2019 (SCI-Expanded)
- XXV. **Novel ruthenium(II) and iridium(III) BODIPY dyes: insights into their application in photodynamic therapy in vitro**  
Aksakal N. E., TANRIVERDİ EÇİK E., KAZAN H. H., YENİLMEZ ÇİFTÇİ G., YÜKSEL F.  
PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, vol.18, pp.2012-2022, 2019 (SCI-Expanded)
- XXVI. **Azaindole-BODIPYs: Synthesis, fluorescent recognition of hydrogen sulfate anion and biological evaluation**  
Keşan G., Topaloğlu B., Özcan E., Kazan H. H., Eçik E., Şenkuytu E., Sengul I. F., Kandemir H., Çoşut B.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.213, pp.73-82, 2019 (SCI-Expanded)
- XXVII. **Meso-piperidine linked bodipys: Synthesis, fluorescent properties and biological evaluation**  
Eçik E., Kazan H. H., Sengul I. F., Kandemir H., Çoşut B.  
Journal of Luminescence, vol.205, pp.258-264, 2019 (SCI-Expanded)
- XXVIII. **Novel ruthenium(ii) and iridium(iii) BODIPY dyes: Insights into their application in photodynamic therapy: In vitro**  
Aksakal N. E., Eçik E., Kazan H. H., Yenilmez Çiftçi G., Yuksel F.  
Photochemical and Photobiological Sciences, vol.18, pp.2012-2022, 2019 (SCI-Expanded)
- XXIX. **A novel photosensitizer based on a ruthenium(ii) phenanthroline bis(perylene diimide) dyad: synthesis, generation of singlet oxygen and in vitro photodynamic therapy**  
Aksakal N. E., Kazan H. H., Ecik E., Yuksel F.  
NEW JOURNAL OF CHEMISTRY, vol.42, no.21, pp.17538-17545, 2018 (SCI-Expanded)
- XXX. **Bodipy decorated triazine chemosensors for Ag<sup>+</sup> ions with high selectivity and sensitivity**  
Senkuytu E., Ecik E., Cosut B.  
Journal of Luminescence, vol.203, pp.639-645, 2018 (SCI-Expanded)

- XXXI. **New hexa-bodipy functionalized dendrimeric cyclotriphosphazene conjugates as highly selective and sensitive fluorescent chemosensor for Co<sup>2+</sup> ions**  
Senkuytu E., Ecik E.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.198, pp.232-238, 2018 (SCI-Expanded)
- XXXII. **Synthesis, photophysical, DFT and photodiode properties of subphthalocyanine-BODIPY dyads**  
Ozcan E., KEŞAN G., Topaloglu B., Ecik E., Dere A., Yakuphanoglu F., Cosut B.  
NEW JOURNAL OF CHEMISTRY, vol.42, no.7, pp.4972-4980, 2018 (SCI-Expanded)
- XXXIII. **Novel 17 alpha-Etinylestradiol-Substituted BODIPY Dyes: Synthesis, Photophysical Properties and Fluorescence Imaging Studies in Breast Cancer Cell Lines**  
Kazan H. H., Ozcan E., Ecik E., Cosut B.  
CHEMISTRYSELECT, vol.3, no.11, pp.2962-2967, 2018 (SCI-Expanded)
- XXXIV. **Syntheses and characterizations of cyclotriphosphazenes containing a 4-oxy-1-naphthaldehyde group**  
Ibisoglu H., Tanriverdi Ecik E., Yenilmez Ciftci G.  
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.4, pp.1174-1183, 2018 (SCI-Expanded)
- XXXV. **Synthesis and fluorescence properties of cyclophosphazenes containing thiazole or thiadiazole rings**  
Ecik E., Senkuytu E., Ibisoglu H., Zorlu Y., Ciftci G. Y.  
Polyhedron, vol.135, pp.296-302, 2017 (SCI-Expanded)
- XXXVI. **Novel Bodipy- triazine conjugates: Synthesis and the generation of singlet oxygen**  
Ecik E., Senkuytu E., Cosut B.  
Dyes and Pigments, vol.143, pp.455-462, 2017 (SCI-Expanded)
- XXXVII. **Novel fully-BODIPY functionalized cyclotetraphosphazene photosensitizers having high singlet oxygen quantum yields**  
Senkuytu E., Ecik E.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.182, pp.26-31, 2017 (SCI-Expanded)
- XXXVIII. **Characterization of paraben substituted cyclotriphosphazenes, and a DNA interaction study with a real-time electrochemical profiling based biosensor**  
Ciftci G. Y., Senkuytu E., Incir S. E., Ecik E. T., Zorlu Y., Olcer Z., ULUDAĞ Y.  
Microchimica Acta, vol.184, no.7, pp.2307-2315, 2017 (SCI-Expanded)
- XXXIX. **Study on the Synthesis, Photophysical Properties and Singlet Oxygen Generation Behavior of Bodipy-Functionalized Cyclotriphosphazenes**  
Senkuytu E., Cebesoy Z., Ciftci G. Y., Ecik E. T.  
Journal of Fluorescence, vol.27, no.2, pp.595-601, 2017 (SCI-Expanded)
- XL. **Octa-BODIPY derivative dendrimeric cyclotetraphosphazenes; photophysical properties and fluorescent chemosensor for Co<sup>2+</sup> + ions**  
Senkuytu E., Ecik E.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.173, pp.863-870, 2017 (SCI-Expanded)
- XLI. **Light harvesting systems composed of carbazole based subphthalocyanine BODIPY enhanced with intramolecular fluorescence resonance energy transfer FRET**  
TANRIVERDİ EÇİK E., ÖZCAN E., KANDEMİR H., ŞENGÜL İ. F., ÇOŞUT B.  
Dyes And Pigments, vol.136, pp.441-449, 2017 (SCI-Expanded)
- XLII. **BODIPY decorated dendrimeric cyclotriphosphazene photosensitizers: Synthesis and efficient singlet oxygen generators**  
Eçik E., Şenkuytu E., Cebesoy Z., Çiftçi G. Y.  
RSC Advances, vol.6, no.53, pp.47600-47606, 2016 (SCI-Expanded)
- XLIII. **Monofunctional amines substituted fluorenylidene bridged cyclotriphosphazenes: 'Turn-off' fluorescence chemosensors for Cu<sup>2+</sup> and Fe<sup>3+</sup> ions**  
Şenkuytu E., Tanriverdi Eçik E., Durmuş M., Yenilmez Çiftçi G.  
Polyhedron, vol.101, pp.223-229, 2015 (SCI-Expanded)

- XLIV. **Monofunctional amines substituted fluorenylidene bridged cyclotriphosphazenes: 'Turn-off' fluorescence chemosensors for Cu<sup>2+</sup> and Fe<sup>3+</sup> ions**  
ŞENKUYTU E., TANRIVERDİ EÇİK E., DURMUŞ M., YENİLMEZ ÇİFTÇİ G.  
POLYHEDRON, vol.101, pp.223-229, 2015 (SCI-Expanded)
- XLV. **Near IR Triggered Remote Controlled Release of Metal Ions A Novel Strategy for Caged Ions**  
ATILGAN A., TANRIVERDİ EÇİK E., GULİYEV R., UYAR B., ERBAS CAKMAK S., AKKAYA E. U.  
Angewandte Chemie-International Edition, vol.53, pp.10678-10681, 2014 (SCI-Expanded)
- XLVI. **Modular logic gates cascading independent logic gates via metal ion signals**  
TANRIVERDİ EÇİK E., ATILGAN A., GULİYEV R., UYAR B., GUMUS A., AKKAYA E. U.  
Dalton Transactions, vol.43, pp.67-70, 2014 (SCI-Expanded)
- XLVII. **Synthesis and characterization of dicoumarol substituted cyclotriphosphazenes**  
Çiftçi G. Y., Eçik E. T., Bulut M., Yuksel F., Kiliç A., Durmuş M.  
Inorganica Chimica Acta, vol.398, pp.106-112, 2013 (SCI-Expanded)
- XLVIII. **Synthesis and characterization of new cyclotriphosphazene compounds**  
YENİLMEZ ÇİFTÇİ G., TANRIVERDİ EÇİK E., YILDIRIM T., YÜKSEL F., BİLGİN K., ŞENKUYTU E., ULUDAĞ Y., KILIÇ A.  
Tetrahedron, vol.69, no.5, pp.1454-1461, 2013 (SCI-Expanded)
- XLIX. **Synthesis, cytotoxicity and apoptosis of cyclotriphosphazene compounds as anti-cancer agents**  
Yildirim T., Bilgin K., Çiftçi G. Y., Eçik E., Şenkuytu E., Uludağ Y., Tomak L., Kiliç A.  
European Journal of Medicinal Chemistry, vol.52, pp.213-220, 2012 (SCI-Expanded)
- L. **Stereo selectivity in a cyclotriphosphazene derivative bearing an exocyclic P O moiety**  
TANRIVERDİ EÇİK E., BEŞLİ S., YENİLMEZ ÇİFTÇİ G., DAVİES D. B., KILIÇ A., YÜKSEL F.  
Dalton Transactions, vol.41, pp.6715-6725, 2012 (SCI-Expanded)
- LI. **Synthesis, cytotoxicity and apoptosis of cyclotriphosphazene compounds as anticancer agents**  
YILDIRIM T., BİLGİN K., YENİLMEZ ÇİFTÇİ G., TANRIVERDİ EÇİK E., ŞENKUYTU E., TOMAK L., ULUDAĞ Y., KILIÇ A.  
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CHEMICAL ENGINEERING RESEARCH & DESIGN, SCI Journal, November 2021

Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, November 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ataturk University, Turkey, November 2021

JOURNAL OF MEDICINAL CHEMISTRY, SCI Journal, September 2021

NEW JOURNAL OF CHEMISTRY, SCI Journal, June 2021

Project Supported by Higher Education Institutions, BAP Research Project, Selcuk University, Turkey, June 2021

Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, June 2021

Project Supported by Higher Education Institutions, BAP Research Project, Inonu University, Turkey, May 2021  
TUBITAK Project, 2236 - Program for Supporting International Researchers, Ataturk University, Turkey, March 2021  
Project Supported by Higher Education Institutions, BAP Research Project, Karadeniz Technical University, Turkey, January 2021  
Project Supported by Higher Education Institutions, BAP Research Project, Karadeniz Technical University, Turkey, December 2020  
Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, November 2020  
TUBITAK Project, 1002 - Quick Support Program, Ataturk University, Turkey, October 2020  
Ministry of Health, Ataturk University, Turkey, April 2020  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, Journal Indexed in SCI-E, March 2020  
Project Supported by Higher Education Institutions, BAP Research Project, Kocaeli University, Turkey, January 2020  
Project Supported by Higher Education Institutions, BAP Research Project, Turkey, August 2019  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, JOTUN BOYA SANNATI VE TICARET A.Ş, Turkey, August 2019  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, Journal Indexed in SCI-E, July 2019  
Project Supported by Higher Education Institutions, July 2019  
Project Supported by Higher Education Institutions, July 2019  
TURKISH JOURNAL OF CHEMISTRY, SCI Journal, June 2019  
TUBITAK Project, June 2019  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Aydın Örne Sanayi ve Ticaret A.Ş, Turkey, December 2018  
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, December 2017  
Phosphorus, Sulfur, and Silicon and the Related Elements, SCI Journal, November 2017  
Journal of Hazardous Materials, SCI Journal, July 2017  
TUBITAK Project, May 2016

## Tasks In Event Organizations

Öznülür Özer T., Kishalı N., Tanrıverdi Eçik E., Şenkuytu E., Sevim M., Çepni E., Yeni Nesil Kimyasal Sensörler, Workshop Organization, Turkey, Aralık 2022  
Öznülür Özer T., Şenkuytu E., Kishalı N., Sevim M., Tanrıverdi Eçik E., Atmaca U., Çepni E., Bayrakçeken Nişancı F., Topçu E., Kılıç H., et al., KİMYADAN GÜZELLİĞE:KOZMETİK, Workshop Organization, Erzurum, Turkey, Kasım 2022  
Tanrıverdi Eçik E., METE E., ŞENKUYTU E., ÖZNLÜER ÖZER T., KILIÇ D., SEVİM M., KİMYACILAR İÇİN KARİYER YOLCULUĞU, Workshop Organization, Erzurum, Turkey, Kasım 2022

## Scientific Research / Working Group Memberships

Inorganic Hybrid Materials Research Laboratory, Ataturk University, Turkey, www., 2019 - Continues

## Metrics

Publication: 96  
Citation (WoS): 775  
Citation (Scopus): 826  
H-Index (WoS): 19  
H-Index (Scopus): 19

## Congress and Symposium Activities

- 19th Asian Chemical Congress, Attendee, İstanbul, Turkey, 2023
4. Eurasia Biochemical Approaches & Technologies , Attendee, Antalya, Turkey, 2022
- 3.EBAT KONGRESİ, Attendee, Antalya, Turkey, 2021
- VIII.Anorganik Kimya Kongresi, Attendee, Tekirdağ, Turkey, 2021
- 20th Frühjahrssymposium JunkChemikerForum, Attendee, Koblenz, Germany, 2018
- 13th International Nanoscience and Nanotechnology Conference, Attendee, Antalya, Turkey, 2017
29. Ulusal Kimya Kongresi, Attendee, Ankara, Turkey, 2017
- 12th International Nanoscience and Nanotechnology Conference, Attendee, Kocaeli, Turkey, 2016
- Anatolian Conference on Synthetic Organic Chemistry, Attendee, Aydın, Turkey, 2016
- 5.Ulusal Anorganik Kimya Kongresi, Attendee, Mersin, Turkey, 2015
- 3.İlaç Kimyası:İlaç Etkin Maddesi Tasarımı,Sentezi,Üretimi ve Standardizasyonu Kongresi, Attendee, Antalya, Turkey, 2015
- 17th JCF-FRÜHJAHRSYMPOSIUM, Attendee, Münster, Germany, 2015
- 2.Ulusal Organik Kimya Kongresi, Attendee, Ankara, Turkey, 2014
- 12th JCF-Frühjahrssymposium, Attendee, Göttingen, Germany, 2010
- FIGIPAS 09, Attendee, Palermo, Italy, 2009
- 11th JCF-Frühjahrssymposium, Attendee, Essen, Germany, 2009
22. Ulusal Kimya Kongresi, Attendee, Gazimagusa, Cyprus (Kktc), 2008
- II.Ulusal Anorganik Kimya Kongresi, Attendee, Elazığ, Turkey, 2008
- 20.Ulusal Kimya Kongresi, Attendee, Kayseri, Turkey, 2006
- 19.Ulusal Kimya Kongresi, Attendee, Aydın, Turkey, 2005
- 18.Ulusal Kimya Kongresi, Attendee, Kars, Turkey, 2004

## Scholarships

2218-TÜBİTAK Yurtiçi Doktora Sonrası Araştırma Bursu, TUBİTAK, 2012 - 2013

## Awards

Tanrıverdi Eçik E., 2020-2021 bilimsel proje ve patentödül töreni, Atatürk Üniversitesi, March 2022