

ÖZGEÇMİŞ

1. **Adı Soyadı: Pinar Şen**
2. **Doğum Tarihi: 1977**
3. **Unvanı: Doçent**
4. **Öğrenim Durumu: Doktora**

| Derece | Alan | Üniversite | Yıl |
|-----------|-----------------------|-------------------------------|------|
| Lisans | Kimya | Karadeniz Teknik Üniversitesi | 1999 |
| Y. Lisans | Kimya-Organik Kimya | Marmara Üniversitesi | 2005 |
| Doktora | Kimya-Anorganik Kimya | Sakarya Üniversitesi | 2017 |

5. Akademik Unvanlar:

Yardımcı Doçentlik Tarihi : 18.09.2017

Doçentlik Tarihi : 29.05.2020

Profesörlük Tarihi :

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

6.2. Doktora Tezleri

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

- 54 (2023) Nnaemeka Nnaji, **Pinar Sen**, Yolande Ikala Openda, Eno Ebenso and Tebello Nyokong “Assessing the potentials of free base and gallium metalated tertbutylphthalocyanines as aluminium corrosion inhibitors” *International Journal of Electrochemical Science* 18 (2023) 100345
- 53 (2023) Lekhetho Mpeta, **Pinar Sen**, Refilwe Matshitse, Tebello Nyokong “Nanocomposite of nickel phthalocyanine nanoparticles and detonation nanodiamonds for enhanced electrocatalysis” *Diamond & Related Materials* 140 (2023) 110424
- 52 (2023) Azole Sindelo, **Pinar Sen**, Tebello Nyokong “Photodynamic inactivation of methicillin-resistant Staphylococcus aureus using pyrrolidinium containing Schiff base phthalocyanines” *Journal of Photochemistry & Photobiology, A: Chemistry* 438 (2023) 114535
- 51 (2022) **Pinar Sen**, Azole Sindelo, Nnaemeka Nnaji, John Mack and Tebello Nyokong. “Diiodinated mono- and dipyritylvinyl BODIPY dyes: Photophysical properties, in vitro antibacterial studies, molecular docking and theoretical calculations” *Photochemistry and Photobiology*, 2023, 99: 947–956
- 50 (2022) Sithi Mgidlana, **Pinar Sen**, Tebello Nyokong. “Dual action of asymmetrical zinc(II)phthalocyanines conjugated to silver tungstate nanoparticles towards photodegradation of tetracycline and inactivation of Staphylococcus aureus bacteria” *Journal of Photochemistry & Photobiology, A: Chemistry* 437 (2023) 114444

- 49 (2022) **Pinar Sen**, Rodah Soy, Sithi Mgidlana, John Mack and Tebello Nyokong. "Light-Driven antimicrobial therapy of palladium porphyrins and their chitosan immobilization derivatives, and their photophysical-chemical properties" *Dyes and Pigments*, 203(2022) 110313
- 48 (2022) Sithi Mgidlana, **Pinar Sen**, Tebello Nyokong. "Photodegradation of tetracycline by asymmetrical zinc(II)phthalocyanines conjugated to cobalt tungstate nanoparticles" *Journal of Molecular Structure* 1261 (2022) 132938
- 47 (2021) **Pinar Sen**, John Mack and Tebello Nyokong. "Indium phthalocyanines: comparative photophysicochemical properties and photodynamic antimicrobial activities against Staphylococcus aureus and Escherichia coli" *Journal of Molecular Structure* 1250 (2022) 131850
- 46 (2021) Nobuhle Ndebele, **Pinar Sen**, Tebello Nyokong. "Electrocatalytic activity of Schiff base containing copper phthalocyanines towards the detection of catechol: Effect of heteroatoms and asymmetry" *Polyhedron* 210 (2021) 115518
- 45 (2021) Nnaemeka Nnaji, **Pinar Sen**, Tebello Nyokong. "Symmetry effect of cobalt phthalocyanines on the aluminium corrosion inhibition in hydrochloric acid" *Materials Letters*, 21 September 2021, 130892
- 44 (2021) Nnaemeka Joshua Nnaji, **Pinar Sen**, Tebello Nyokong. "Aluminum corrosion retardation properties of acetamidophenoxy phthalocyanines: effect of central metal" *Journal of Molecular Structure* 1242 (2021) 130806
- 43 (2021) Sivuyisiwe Mapukata, **Pinar Sen**, Olawale L. Osifeko, Tebello Nyokong. "The antibacterial and antifungal properties of neutral, octacationic, hexadecacationic Zn phthalocyanines when conjugated to silver nanoparticles" *Photodiagnosis and Photodynamic Therapy* 35 (2021) 102361
- 42 (2021) Erem Ahmetali, **Pinar Sen**, N. Ceren Süer, Tebello Nyokong, Tarik Eren, M. Kasım Şener. "Photodynamic Therapy Activities of Phthalocyanine-Based Macromolecular Photosensitizers on MCF-7 Breast Cancer Cells" *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, , 2021, VOL. 58, NO. 11, 748-757
- 41 (2021) **Pinar Sen**, Nnamdi Nwahara and Tebello Nyokong. "Photodynamic antimicrobial activity of benzimidazole substituted phthalocyanine when conjugated to Nitrogen Doped Graphene Quantum Dots against Staphylococcus aureus" *Main Group chemistry*, DOI: 10.3233/MGC-210030
- 40 (2021) **Pinar Sen** , Tebello Nyokong. "Promising photodynamic antimicrobial activity of polyimine substituted zinc phthalocyanine and its polycationic derivative when conjugated to nitrogen, sulfur, co-doped graphene quantum dots against Staphylococcus aureus" *Photodiagnosis and Photodynamic Therapy* 34 (2021) 102300
- 39 (2021) Aviwe Magadla, Balaji Babu, **Pinar Sen**, Tebello Nyokong. "The photophysicochemical properties and photodynamic therapy activity of Schiff base substituted phthalocyanines doped into silica nanoparticles and conjugated to folic acid" *Polyhedron* 203 (2021) 115227
- 38 (2021) Nobuhle Ndebele, **Pinar Sen**, Tebello Nyokong. "Electrochemical detection of dopamine using phthalocyanine-nitrogen-doped graphene quantum dot conjugates" *Journal of Electroanalytical Chemistry* 886 (2021) 115111
- 37 (2021) **Pinar Sen**, Sevgi Kansız. "Crystal Structure, Spectroscopic and Computational Studies of N₂O₂ Type Salen-Based Schiff Base and Its Di-boron Complex" *Journal of Chemical Crystallography* (2021) <https://doi.org/10.1007/s10870-021-00883-4>

- 36 (2021) **Pinar Sen**, Tebello Nyokong. “Enhanced Photodynamic inactivation of Staphylococcus Aureus with Schiff base substituted Zinc phthalocyanines through conjugation to silver nanoparticles” *Journal of Molecular Structure* 1232 (2021) 130012
- 35 (2020) Erem Ahmetali, **Pinar Sen**, N. Ceren Süer, Burak Aksu, Tebello Nyokong, Tarik Eren, and M. Kasım Şener. “Enhanced Light-Driven Antimicrobial Activity of Cationic Poly(oxanorbornene)s by Phthalocyanine Incorporation into Polymer as Pendants” *Macromol. Chem. Phys.* 2020, 221, 2000386
- 34 (2020) Lekhetho S. Mpeteta, **Pinar Sen**, and Tebello Nyokong. “The Effects of Asymmetry in Combination with Reduced Graphene Oxide Nanosheets on Hydrazine Electrocatalytic Detection on Cobalt Phthalocyanines” *Electroanalysis* 2020, 32, 1–11
- 33 (2020) Sithi Mgidlana, **Pinar Sen**, Tebello Nyokong. “Direct nonlinear optical absorption measurements of asymmetrical zinc(II) phthalocyanine when covalently linked to semiconductor quantum dots” *Journal of Molecular Structure* 1220 (2020) 128729
- 32 (2020) Lekhetho S. Mpeteta, **Pinar Sen**, Tebello Nyokong. “Development of manganese phthalocyanine decorated with silver nanoparticles nanocomposite for improved electrocatalytic oxidation of hydrazine” *Journal of Electroanalytical Chemistry* 866 (2020) 114173
- 31 (2020) **Pinar Sen**, Lekhetho S. Mpeteta, John Mack, Tebello Nyokong. “New difluoroboron complexes based on N,O-chelated Schiff base ligands: Synthesis, characterization, DFT calculations and photophysical and electrochemical properties” *Journal of Luminescence* 224 (2020) 117262
- 30 (2020) Lekhetho S. Mpeteta, **Pinar Sen**, Tebello Nyokong. “Investigation of electrocatalytic behaviour of low symmetry cobalt phthalocyanines when clicked to azide grafted carbon electrodes” *Journal of Electroanalytical Chemistry* 860 (2020) 113896
- 29 (2020) **Pinar Sen**, Azole Sindelo, Donovan M. Mafukidze, Tebello Nyokong. “Synthesis and photophysicochemical properties of novel axially disubstituted silicon (IV) phthalocyanines and their photodynamic antimicrobial chemotherapy (PACT) activity against Staphylococcus aureus” *Synthetic Metals* 258 (2019) 116203
- 28 (2020) Yolande Ikala Openda, **Pinar Sen**, Muthumuni Managa, Tebello Nyokong. “Acetophenone substituted phthalocyanines and their graphene quantum dots conjugates as photosensitizers for photodynamic antimicrobial chemotherapy against Staphylococcus aureus” *Photodiagnosis and Photodynamic Therapy* 29 (2020) 101607
- 27 (2020) **Pinar Sen**, Dilan Akagunduz, Araz Sheibani Aghdam, Fevzi Çakmak Cebeci, Tebello Nyokong, Tunc Catal “Synthesis of Novel Schiff Base Cobalt (II) and Iron (III) Complexes as Cathode Catalysts for Microbial Fuel Cell Applications” *Journal of Inorganic and Organometallic Polymers and Materials* (2020) 30:1110–1120
- 26 (2019) **Pinar Sen**, Tebello Nyokong. “A novel axially palladium(II)-Schiff base complex substituted silicon(IV) phthalocyanine: Synthesis, characterization, photophysicochemical properties and photodynamic antimicrobial chemotherapy activity against Staphylococcus aureus” *Polyhedron* 173 (2019) 114135
- 25 (2019) **Pinar Sen** “A highly fluorescent tri-nuclear boron complex with large Stokes shifts based on tripodal Schiff base: synthesis and photophysical properties” *J. Chem. Sci.* (2019) 131:63
- 24 (2019) **Pinar Sen**, Salih Zeki Yıldız, Vildan Enisoglu Atalay, Sibel Demir Kanmazalp, Necmi Dege. “Synthesis, Molecular Structure and Spectroscopic Studies on 4-(2-(2-

- Formylphenoxy)Ethoxy)Ethoxy)Phthalonitrile as a functionalized phthalonitrile” *Macedonian Journal of Chemistry and Chemical Engineering* 38 (1), xx–xx (2019)
- 23 (2019) **Pinar Sen**, Muthumuni Managa, Tebello Nyokong. “New type of metal-free and Zinc(II), In(III), Ga(III) phthalocyanines carrying biologically active substituents: Synthesis and photophysical properties and photodynamic therapy activity” *Inorganica Chimica Acta* 491 (2019) 1–8
- 22 (2018) Sibel Demir Kanmazalp, **Pinar Sen**, Necmi Dege, Salih Zeki Yildiz Namık Ozdemir and Irina A. Golenya “Crystal structure and Hirshfeld surface analysis of 4-[4-(1H-benzo[d]imidazol-2-yl)phenoxy]phthalonitrile dimethyl sulfoxide monosolvate” *Acta Cryst.* (2019). E75, 780–784
- 21 (2018) **Pinar Sen**, Sevgi Kansiz, Necmi Dege, S. Zeki Yildiz and Galyna G. Tsapyuk. “Crystal structure and Hirshfeld surface analysis and of 2-ammoniumylmethyl-1H-benzimidazol-3-ium chloride monohydrate” *Acta Cryst.* (2018). E74, 1517–1520
- 20 (2018) **Pinar Sen**, Sevgi Kansiz, Irina A. Golenyac, Necmi Dege. “Crystal structure and Hirshfeld surface analysis of N,N’-bis(3-tert-butyl-2-hydroxy-5-methylbenzylidene) ethane-1,2-diamine” *Acta Cryst.* (2018). E74, 1147–1150
- 19 (2018) **Pinar Sen**, Sevgi Kansiz, Necmi Dege, Turganbay S. Iskenderovc, S. Zeki Yildiz. “Crystal structure and Hirshfeld surface analysis of 4-[4-(1H-benzo[d]imidazol-2-yl)phenoxy]phthalonitrile monohydrate” *Acta Cryst.* (2018). E74, 994–997.
- 18 (2018) **Pinar Sen**, S. ZekiYildiz. “Substituted manganese phthalocyanines as bleach catalysts: synthesis, characterization, and investigation of their aggregation destruction in solutions with LiCl” *Research on Chemical Intermediate* (2019) 45:687–707
- 17 (2018) **Pinar Sen**, S. Zeki Yildiz, Necmi Dege, Sibel Demir Kanmazalp. “New Benzimidazole Substituted Cobalt and Manganese Phthalocyanines as Hydrogen Peroxide Catalysts for Laundry Bleaching” *Macroheterocycles* 2018 11(3) 293-303
- 16 (2018) **Pinar Sen***, S. Zeki Yildiz, Göknur Yasa Atmaca, Ali Erdoğan. “Synthesis, photophysics and photochemistry of peripherally Schiff base-Zinc complex substituted zinc phthalocyanine” *Journal of Coordination Chemistry* 71 (8), 1258–1267, 2018.
- 15 (2018) **Pinar Sen***, S. Zeki Yildiz, Göknur Yasa Atmaca, Ali Erdogmus. “Five-nuclear phthalocyanine complex bearing terpyridine zinc complex: Synthesis, energy transfers and photophysical studies” *J of Porphyrins and Phthalocyanines* 2018; 22: 1–8
- 14 (2018) **Pinar Sen***, S. Zeki Yildiz , Göknur Yasa Atmaca , Ali Erdogmus, Sibel Demir Kanmazalp, Necmi Dege. “Peripherally tetra-benzimidazole units-substituted zinc (II) phthalocyanines: Synthesis, characterization and investigation of photophysical and photochemical properties” *J of Luminescence* 194 (2018) 123–130
- 13 (2017) **Pinar Sen**, Necmi Dege, S. Zeki Yildiz. “Tri-nuclear phthalocyanine complexes carrying N/O donor ligands as hydrogen peroxide catalysts, and their bleaching activity measurements by online spectrophotometric method” *Journal of Coordination Chemistry* 70 (2017) 2751–2770.
- 12 (2017) **Pinar Sen**, S. Zeki Yildiz. “The Investigation of oxidative bleaching performance of Peripherally Schiff base substituted substituted trinuclear cobalt-phthalocyanine complexes” *Inorganica Chimica Acta* 462 (2017) 30–39.
- 11 (2017) **Pinar Sen**, S. Zeki Yildiz, Necmi Dege, Mehmet Atakay and Bekir Salih. “Functional Substituted Phthalocyanines Bearing Ter-pyridine Complexes as Macromolecular Oxidation Catalysts for Bleaching Systems”. *ChemistrySelect* 2017, 2, 2643 – 2650.

- 10 (2016) **Pınar Sen**, S. Zeki Yıldız, Ali Erdoğan, Necmi Dege and Yusuf Atalay. “Aldehyde substituted phthalocyanines: Synthesis, characterization and investigation of photophysical and photochemical properties” *J.of Fluorescence* (2016) 26:1521–1534.
- 9 (2016) **Pınar Sen**, Ertug Yildirim, S. Zeki Yıldız. “New alkaline media-soluble functional zinc(II) phthalocyanines bearing poly (hydroxymethyl)iminomethane Schiff base complexes in catalytic bleaching”. *Synthetic Metals* 215 (2016) 41–49.
- 8 (2015) **Pınar Sen**, Gökür Yaşa Atmaca, Ali Erdoğan, Necmi Dege, S. Zeki Yıldız. “The synthesis, characterization, crystal structure and photophysical properties of a new meso-BODIPY substituted phthalonitrile”. *J.of Fluorescence* (2015) 25:1225–1234
- 7 (2015) **Pınar Sen**, Dilek Kara Simsek, S. Zeki Yıldız. “Functional zinc(II) phthalocyanines bearing Schiff base complexes as oxidation catalysts for bleaching systems”. *Appl. Organometal. Chem.* 2015, 29, 509–516.
- 6 (2014) **Pınar Sen**, S. Zeki Yıldız*, Murat Tuna and Mevlude Canlica. “Preparation of aldehyde substituted phthalocyanines with improved yield and their use for schiff base metal complex formation”. *Journal of Organometallic Chemistry* 769 (2014) 38-45.
- 5 (2014) **Pınar Sen**, S.Zeki Yıldız, Yusuf Atalay, Necmi Dege, Güneş Demirtaş. “The synthesis, characterization, crystal structure and theoretical calculations of a new meso-BOBIPY substituted Phthalonitrile”. *Journal of Luminescence* 149 (2014) 297–305.
- 4 (2013) **Pınar Sen**, Catherine Hirel, Ayşe-Gül Gürek, Chantal Andraud, Yann Bretonnière and Mikael Lindgren. “Photophysical properties and study of the singlet oxygen generation of tetraphenylporphyrinato palladium(II) complexes”. *J. Porphyrins Phthalocyanines*, 2013, 17,964.
- 3 (2011) **Pınar Sen**, Fatih Dumludağ, Bekir Salih, Ali Rıza Özkaya and Özer Bekaroğlu “Synthesis and electrochemical, electrochromic and electrical properties of novel s-triazine bridged trinuclear Zn(II), Cu(II) and Lu(III) and a tris double-decker Lu(III) phthalocyanines” *Synthetic Metals*, 2011, 163(13-14), 1245-1254.
- 2 (2010) **Pınar Sen**, Catherine Hirel, Chantal Andraud, Christophe Aronica, Yann Bretonnière, Abdelsalam Mohammed, Hans Ågren, Boris Minaev, Valentina Minaeva, Gleb Baryshnikov, Hung-Hsun Lee, Julien Duboisset and Mikael Lindgren. “Fluorescence and FTIR Spectra Analysis of Trans-A2B2-Substituted Di- and Tetra-Phenyl Porphyrins”. *Materials* 2010, 3(8), 4446-4475.
- 1 (2008) Yasemin Aktaş, **Pınar Sen**, Fatih Dumludağ, Ahmet Altındal, Metin Özer, Mustafa Bulut and Özer Bekaroğlu. “The Investigation of The Electrical Properties of A Newly Synthesized Phthalocyanine Thin Film and The Effect of The Preparation Conditions”. *American Institute of Physics.* (2008) Page: 551-554.

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

- 3 (2021) Nobuhle Ndebele, **Pınar Sen**, Tebello Nyokong. “Electrocatalytic Activity of Schiff Base Containing Copper Phthalocyanines Towards the Detection of Catechol: Effect of Heteroatoms and Asymmetry” *SSRN Electronic Journal*
DOI:10.2139/ssrn.3869541

- 2 (2019) **Pinar Sen**, Sevgi Kansız, Necmi Dege “ Synthesis, Molecular Structure, Hirshfeld Surface Analysis, Spectroscopic and Computational Studies (DFT) of 6,6'-((1E,1'E)-(1,2-phenylenebis(azanylylidene)) bis(methanylylidene))bis(2-(tert-butyl)-4-methylphenol)” *JOTCSA. 2019; 6(2): 189-200.*
- 1 (2019) **Pinar Sen**, S. Zeki Yildiz, Necmi Dege, Gökür Yasa Atmaca, Ali Erdogmus, Mustafa Dege “Synthesis of a Novel Benzimidazole Moiety-Appended Schiff Base Derivative: Fluorescence and Chemosensor Study” *JOTCSA. 2019; 5(3): 1375-1386.*

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

ORAL PRESENTATIONS

- 2021 Yolande Ikala Openda, **Pinar Sen**, Managa Muthumuni, Tebello Nyokong . “Phthalocyanine-Carbon Nanomaterials Conjugates as Photosensitisers in Photodynamic Antimicrobial Chemotherapy” *International Conference on Porphyrins and Phthalocyanines (ICPP)-28 June-3 July 2021, Buffalo, New York, USA*
- 2019 **Pinar SEN**, Tebello Nyokong. “Effect of the Metals and the Number and Position of the Substituents on the photo-Physicochemical and Photodynamic Therapy Activities of Phthalocyanines” *XXI Mendeleev Congress on General and Applied Chemistry, September 9-13, 2019 in St. Petersburg.*
- 2018 **Pinar Sen**, Tebello Nyokong “Synthesis of Benzimidazole Substituted Zinc Phthalocyanine for Potential use as Photodynamic Therapy Photosensitizer” *43rd National Convention of the South African Chemical Institute, 2 – 7 December 2018, Pretoria*
- 2018 **Pinar SEN** “Synthesis and fluorescence properties of schiff-base fluorine-boron complexes” *4th International Conference on New Trends in Chemistry MAY 11-13, 2018, St. PETERSBURG, RUSSIA*
- 2018 **Pinar SEN**, Cansu Yiğit, Murat Tuna, Salih Zeki Yıldız. “Comparison of the catalytic activity of amine group substituted cobalt and manganese phthalocyanine complexes as hydrogen peroxide catalysts on oxidative bleaching” *INTERNATIONAL CONFERENCE ON INNOVATIONS in NATURAL SCIENCE AND ENGINEERING (ICINSE 2018), 3-6 Jan. 2018, Turkish Republic of Northern Cyprus*
- 2016 **Pinar SEN**, Ertug YILDIRIM, **Salih Zeki YILDIZ**, “Schiff Base Complexes Functionalized Phthalocyanines for Oxidation Catalysts in Bleaching System”. *NINTH INTERNATIONAL CONFERENCE ON PORPHYRINS AND PHTHALOCYANINES (ICPP-9) July 3-8,2016 Nanjing, China*
- 2015 **Pinar Sen**, Salih Zeki Yıldız. “Functional Schiff Base Complexes on The Peripheral Position of Co(II)Phthalocyanine as Oxidation Catalysts in Bleaching System”. *EICC-3 THIRD EUCHEMS INORGANIC CHEMISTRY CONFERENCE, Wroclaw, Poland, June 28-July 1, 2015.*
- 2008 **Catherine Hirel**, **Pinar Sen**, Yann Bretonnière, Mehmet Menaf Ayhan, Chantal Andraud, Isabelle Ledoux- Rak, Joseph Zyss, Vefa Ahsen. “Crosswise Asymmetric Phthalocyanines: A New Architecture for NLO”. *INTERNATIONAL CONFERENCE ON PORPHYRINS ANDPHTHALOCYANINES, 6–11 July 2008, Moscow*

POSTER PRESENTATIONS

- 2022 **Pınar Sen**, Fikretin Sahin, “Antimicrobial activity of positively charged Schiff bases when conjugated to boronic acid-functionalized graphene quantum dots” Boron 2022, 5 - 7 October 2022, İstanbul, TÜRKİY
- 2017 **Pınar Sen**, **Salih Zeki Yıldız**, Goknur Yaşa Atmaca, Ali Erdoğan. “The Synthesis, Characterization, Photophysical and Photochemical Properties of a New Terpyridine zinc complex Substituted Phthalocyanine” 2. *GTU PHOTODYNAMIC DAY, Gebze Technical University 16 May 2017*
- 2015 **Pınar Sen**, **Salih Zeki Yıldız**. “Phthalonitrile Substituted Terpyridine Complexes As Bleach Catalyst for Detergent Applications” *ICCIS 2015 : XIII INTERNATIONAL CONFERENCE ON CHEMICAL INDUSTRY AND SCIENCE. Jeddah, Saudi Arabia January 26 - 27, 2015.*
- 2013 **Pınar Sen**, Salih Zeki Yıldız. “Aldehyde Substituted Phthalocyanines for Schiff Base Metal Complex Formation”. *INTERNATIONAL POROUS AND POWDER MATERIALS SYMPOSIUM AND EXHIBITION. September 3-6, 2013 Cesme Izmir, TURKEY*
- 2013 **Pınar Sen**, S. Zeki Yıldız. “Preparation of Phthalocyanines carrying BODIPY units on their periphery as the multichromophoric systems”. *IUPAC WORLD CHEMISTRY CONGRESS, 11-16 August 2013, İstanbul*
- 2013 S. Zeki Yıldız, **Pınar Sen**, A. Özgül Tezgel and Levent İnceli. “Preparation of chromophoric Schiff base polyethylenimine gel and investigation of their photo physical properties”. *IUPAC WORLD CHEMISTRY CONGRESS, 11-16 August 2013, İstanbul*
- 2012 **Pınar Sen**, Salih Zeki Yıldız. “The Preparation of salen complexes of Ni(II), Mn(III) and investigation of their catalytic properties as peroxide catalyst”. *III. PHYSICAL CHEMISTRY CONGRESS. 12-15 June 2012-Balıkesir-Turkey*
- 2009 **Pınar Sen**, Catherine Hirel, Yann Bretonnière, Chantal Andraud, Isabelle Ledoux-Rak, Joseph Zyss, Ayşe Gül Gürek and Vefa Ahsen. “Phthalocyanine And Porphyrin Homoleptic Sandwich Complexes: Synthesis And Non-Linear Optical Properties”. *INTERNATIONAL SYMPOSIUM ON MATERIALS AND DEVICES FOR NON-LINEAR OPTICS (ISOPL '5), 26 June- 1 July 2009, Ile de Porquerolles, France*
- 2008 **Pınar Sen**, Catherine Hirel, Yann Bretonnière, Chantal Andraud, Isabelle Ledoux-Rak, Joseph Zyss and Vefa Ahsen. “Homoleptic Lanthanide Complexes of Phthalocyanine and Porphyrin: Potential Non-Linear Optic Agents”. *INTERNATIONAL CONFERENCE ON PORPHYRINS AND PHTHALOCYANINES, 6-11 July 2008, Moscow*

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

- 4 (2023) **Pınar Sen**, Parisa Bolouri, Fikretin Sahin. “Promising antimicrobial and antifungal activities of free peppermint (*Mentha piperita* L.) essential oil and its conjugated form with chitosan” *Turkish Journal of Analytical Chemistry*, 5 (2023) 77-82.

- 3 (2019) **Pınar SEN**, Güneş DEMİRTAŞ, Necmi DENGİ, Davut AVCI, Salih Zeki YİLDİZ. “The Oxidation of 4-(4-Formylphenoxy) Phthalonitrile to 4-(4-Carboxylphenoxy) Phthalonitrile at Ambient Conditions” *Cumhuriyet Sci. J.*, Vol.40-3(2019) 662-669
- 2 (2019) **Pınar Şen** “ Synthesis of a new boron complex with imine ligand: Synthesis, characterization and fluorescent properties” *BORON 4 (1)*, 46 - 52, 2019
- 1 (2019) **Pınar Sen**, Salih Zeki Yıldız, Ömer Tamer, Sibel Demir Kanmazalp, Necmi Dege. “ Synthesis, molecular structure, spectroscopic and computational studies of (E)-tert-butyl (2-((3,5-di-tert-butyl-2-hydroxybenzylidene) amino)ethyl)carbamate as a functionalized schiff base” *Karadeniz Chem. Sci. Tech.*, 2018, 2018, 3, 27 – 32.

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

ORAL PRESENTATIONS

- 2018 **Pınar Şen**, Salih Zeki Yıldız, Sevil Atasoy “Yeni sentezlenen Schiff bazı bileşiminin toksik metal iyonlarına karşı kimyasal sensör olarak kullanımının araştırılması” 15. Adli Bilimler Kongresi, 12-15 Nisan 2018, Antalya
- 2009 **Catherine Hirel**, **Pınar Sen**, Yann Bretonnière, Mehmet Menaf Ayhan, Chantal Andraud, Isabelle Ledoux-Rak, Joseph Zyss and Vefa Ahsen. “Crosswise Asymmetric Phthalocyanines: A New Architecture for NLO” *II. NATIONAL CONGRESS OF INORGANIC CHEMISTRY, 16-19 May 2009, Elazığ, Turkey*
- 2008 **Pınar Sen**, Catherine Hirel, Yann Bretonnière, Chantal Andraud, Isabelle Ledoux-Rak, Joseph Zyss and Vefa Ahsen. “Homoleptic Lanthanide Complexes of Phthalocyanine and Porphyrin: Potential Non-Linear Optic Agents”. *XXII. NATIONAL CHEMISTRY CONGRESS, Cyprus, 6-10 October 2008.*

POSTER PRESENTATIONS

- 2016 **Pınar Şen**, **Salih Zeki YILDIZ**. “The comparison of catalytic activity of non-ionic and ionic Mn(III)/Co(II) Phthalocyanine complexes on bleach systems”. *NCC6-6TH CATALYSIS CONGRESS 27-30 April-Bursa*
- 2016 **Büşra GENÇOĞLU**, **Pınar Şen**, Salih Zeki Yıldız. “Catalytic activity of Schiff Base Mn(III)/Co(III) complexes on bleach catalyst”. *NCC6-6th CATALYSIS CONGRESS 27-30 April-Bursa*
- 2014 **Pınar Şen**, Salih Zeki Yıldız. “Catalytic Activity of Schiff Base Mn(III) Complex Substituted Zn-Phthalocyanine on Bleach Catalyst”. *5th NATIONAL CATALYSIS CONGRESS, 23-26 April 2014, Çukurova University, Adana-TURKEY*
- 2014 **İsmail Mor**, Emre Katırcı, **Pınar Şen**, Murat Tuna, Salih Zeki Yıldız. “Preparation of Novel Schiff Base Mn(III) Complex and Investigation of Their Oxidative Catalysis Properties”. *5th NATIONAL CATALYSIS CONGRESS, 23-26 April 2014, Çukurova University, Adana-TURKEY*
- 2014 **Ertuğ Yıldırım**, **Pınar Şen**, Salih Zeki Yıldız. “Preparation of Novel Schiff Base Mn(III) and Co(III) Complex Substituted Phthalocyanines and Evaluation of Their Catalytic Activities in Oxidative”. *5th NATIONAL CATALYSIS CONGRESS, 23-26 April 2014, Çukurova University, Adana-TURKEY*

- 2009 **Pınar Sen**, Catherine Hirel, Yann Bretonnière, Chantal Andraud, Ayşe Gül Gürek and Vefa Ahsen. “The Synthesis of Metallo and Metal-Free Porphyrins and theirs Fluorescence Measurements”. *II. NATIONAL CONGRESS OF INORGANIC CHEMISTRY, 16-19 May 2009, Elazığ, Turkey*
- 2007 **Pınar Sen**, Mustafa Bulut, Özer Bekaroğlu. “The Synthesis of Some Novel Phthalocyanines and Characterization of Their Structures by Spectroscopic Methods”.
I. NATIONAL CONGRESS OF INORGANIC CHEMISTRY, 20-23 April 2007, Adana, Turkey.
- 2007 **Pınar Sen**, Catherine Hirel, Vefa Ahsen. “Phthalocyanines with Non- Linear Optic Properties”.
I. NATIONAL CONGRESS OF INORGANIC CHEMISTRY, 20-23 April 2007, Adana, Turkey

7.7. Diğer yayınlar

8. Projeler

9. İdari Görevler

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

11. Ödüller

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

| Akademik Yıl | Dönem | Dersin Adı | Haftalık Saati | | Öğrenci Sayısı |
|--------------|----------|----------------------|----------------|----------|----------------|
| | | | Teorik | Uygulama | |
| 2022-2023 | Güz | Analytical Chemistry | 3 | 3 | 30 |
| | İlkbahar | | | | |
| 2023-2024 | Güz | General Chemistry | 8 | 8 | 450 |
| | İlkbahar | | | | |

Not: Açılmışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.