

NURAY YILDIRIM

ASST. PROF.

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International Researcher IDs

ScholarID: 6WUmITIAAAAJ

ORCID: 0000-0002-4807-5357

Publons / Web Of Science ResearcherID: ABB-9665-2020

Yoksis Researcher ID: 51093

Learning Knowledge

Doctorate 2010 - 2016	Canakkale Onsekiz Mart University, Lisansüstü Eğitim Enstitüsü, Turkey
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Postgraduate 2006 - 2008	Selcuk University, Institute Of Science, Biyoloji, Turkey
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Undergraduate 2002 - 2006	Selcuk University, Faculty Of Science, Biyoloji, Turkey
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Foreign Languages

English, C2 Mastery

Certificates, Courses and Trainings

Vocational Course, FEBS Advanced Course: Ligand Binding Theory and Practice, Academy of University Center Nove Hradý, 2018

Vocational Course, Deney Hayvanları Kullanım Sertifikası, Çanakkale Onsekiz Mart Üniversitesi /ÇOMÜDAM, 2013

Dissertations

Doctorate, Bazı Schiff Bazları ve Komplekslerinin DNA'ya Bağlanma Özellikleri ve Biyolojik Aktivitelerinin İncelenmesi, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Biyoloji, 2016

Postgraduate, Centaurea balsamita Lam. ve C. coronopifolia Lam. Türlerinin Antimikrobiyal Etkilerinin Belirlenmesi, Selcuk University, Fen Bilimleri Enstitüsü, Biyoloji, 2008

Academic Titles / Tasks

Assistant Professor 2019 - Continues	Canakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler
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Lecturer PhD
2018 - 2019

Canakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek
Yüksekokulu, Tıbbi Hizmetler ve Teknikler

Expert
2009 - 2018

Canakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek
Yüksekokulu, Tıbbi Hizmetler ve Teknikler

Supported Projects

1. ALTUN M., YAPICI B., YILDIRIM N., Project Supported by Higher Education Institutions, Çeşitli Esansiyel Yağ Kombinasyonlarının Acne vulgaris Etkeni Olan Bakterilere Karşı Etkinliğinin in vitro Olarak Değerlendirilmesi, 2020 - 2022
2. YILDIRIM N., DEMİR N., Project Supported by Higher Education Institutions, Flor Sübstitüe İmin Bileşiklerinin DNA ile Etkileşimleri, Antimikrobiyal ve Genotoksik Özelliklerinin İncelenmesi, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Synthesis, characterization, biological activity and theoretical studies of a 2-amino-6-methoxybenzothiazole-based fluorescent Schiff base**
ALPASLAN G., BOYACIOĞLU B., DEMİR N., TÜMER Y., Yapar G., YILDIRIM N., YILDIZ M., ÜNVER H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1180, pp.170-178, 2019 (SCI-Expanded)
2. **Experimental, DFT Calculation, Biological Activity, Anion Sensing Application Studies and Crystal Structure of (E)-4-[(pyridin-3-ylimino)methyl]benzene-1,3-diol**
ÜNVER H., BOYACIOĞLU B., Zeyrek C. T., Yolal D., YILDIZ M., YILDIRIM N., DEMİR N., Kiraz A., ELMALI A.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.48, pp.32-46, 2018 (SCI-Expanded)
3. **DFT calculation, biological activity, anion sensing studies and crystal structure of (E)-4-chloro-2-[(pyridin-2-ylimino)-methyl]phenol**
YILDIRIM N., DEMİR N., ALPASLAN G., BOYACIOĞLU B., YILDIZ M., ÜNVER H.
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.83, no.6, pp.707-721, 2018 (SCI-Expanded)
4. **Synthesis and Spectral, Antimicrobial, Anion Sensing, and DNA Binding Properties of Schiff Base Podands and Their Metal Complexes**
YILDIZ M., Tan E., DEMİR N., YILDIRIM N., Ünver H., Kiraz A., Mestav B.
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.85, pp.2149-2162, 2015 (SCI-Expanded)
5. **Synthesis, biological activity, DNA binding and anion sensors, molecular structure and quantum chemical studies of a novel bidentate Schiff base derived from 3,5-bis(trifluoromethyl)aniline and salicylaldehyde**
YILDIZ M., Karpuz O., Zeyrek C. T., BOYACIOĞLU B., DAL H., DEMİR N., YILDIRIM N., ÜNVER H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1094, pp.148-160, 2015 (SCI-Expanded)
6. **Synthesis, biological activity, DNA binding and anion sensors, molecular structure and quantum chemical studies of a novel bidentate Schiff base derived from 3,5-bis(trifluoromethyl)aniline and salicylaldehyde**
YILDIZ M., Karpuz Ö., Zeyrek C. T., Boyacıoğlu B., dal h., DEMİR N., YILDIRIM N., Ünver H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1094, pp.148-160, 2015 (SCI-Expanded)
7. **Synthesis, biological activity, DNA binding and anion sensors, molecular structure and quantum chemical studies of a novel bidentate Schiff base derived from 3,5-bis(trifluoromethyl)aniline and salicylaldehyde**
YILDIZ M., Karpuz Ö., Zeyrek C. T., Boyacıoğlu B., dal h., DEMİR N., YILDIRIM N., Ünver H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1094, pp.148-160, 2015 (SCI-Expanded)

Articles Published in Other Journals

- 1. Antimicrobial Activity of Various Extracts of *Centaurea balsamita* Lam. And *Centaurea coronopifolia* Lam.**
Yıldırım N., Akın M., Saraçoğlu H. T.
Environmental Toxicology and Ecology, vol.2, no.2, pp.107-114, 2022 (Peer-Reviewed Journal)
- 2. DNA Interactions, Mutagenic, Anti- Mutagenic And Antimicrobial Activities of (E)-2-((3,5-Bis(Trifluoromethyl)Phenylimino)Methyl)-4,6-Dimethoxyphenol**
Yıldırım N., Demir N.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, no.2, pp.339-349, 2021 (Peer-Reviewed Journal)
- 3. A Schiff Base Sensor Selective to Anions, Biological Activity, and Spectral Studies**
Yıldırım N., Yıldız M.
JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, no.5, pp.1271-1278, 2018 (Scopus)
- 4. Beta Hemolitik Streptokokların Farklı Bal Konsantrasyonlarındaki Duyarlılığının Araştırılması**
Özel Güneş E., YILDIRIM N.
Research Journal of Biological Sciences, vol.4, no.2, pp.79-80, 2011 (Non Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- 1. Evaluation of Chemical Profiles, Antioxidant Properties of *Cinnamomum verum* and *Lavandula officinalis* Essential Oils and Their Antibacterial Activities Against Acne**
ALTUN M., YILDIRIM N., MERİÇLİ YAPICI B.
6th International Congress on Applied Biological Sciences, 08 December 2021
- 2. Synthesis of 2-Aminoethylphosphonic Acid-Functionalized Graphene Quantum Dots and Their Applications in Molecular Biology**
YAPAR G., YILDIZ M., ŞAHİNER N., DEMİR N., YILDIRIM N., ÜNVER H., BOYACIOĞLU B.
4th Organic Chemistry Congress, 4 - 07 October 2018, pp.147
- 3. Preparation, Characterization and Biological Application of Palladium Nanoparticles (PdNps) Based on Nitrogen-Doped Graphene Quantum Dots (Gqds)**
Yapar G., YILDIZ M., ŞAHİNER N., YILDIRIM N., DEMİR N., Ünver H., Boyacıoğlu B.
. 4th Organic Chemistry Congress, Antalya, Turkey, 4 - 07 October 2018, pp.148
- 4. Preparation and characterization of silver nanoparticles (AgNPs) and their applications as biological agent**
ÜNVER H., BOYACIOĞLU B., YILDIZ M., DEMİR N., YILDIRIM N., ELMALI A.
VI. International Conference "Nanotechnology and Nanomaterials" (NANO – 2018), Kyiv, Ukraine, 27 - 30 August 2018
- 5. Synthesis of nickel nanoparticles (NiNPs) using 4-aminophenol doped graphene quantum dots GQDs as reducing reagent and stabilizer**
BOYACIOĞLU B., ŞENEL B., BÜYÜKKÖROĞLU G., ÜNVER H., YILDIZ M., DEMİR N., YILDIRIM N., ELMALI A.
VI. International Conference "Nanotechnology and Nanomaterials" (NANO – 2018), Kyiv, 27 - 30 August 2018
- 6. Synthesis and applications of a colorimetric sensor based on polyethyleneimine doped graphene quantum dots nanoparticles directed to cations**
BOYACIOĞLU B., ÜNVER H., YILDIZ M., DEMİR N., YILDIRIM N., ELMALI A.
VI. International Conference "Nanotechnology and Nanomaterials" (NANO – 2018), Kyiv, Ukraine, 27 - 30 August 2018
- 7. Cytotoxicity effect of graphene quantum dots-metal nanocomposite on human A549 and MCF-7 cells**
BOYACIOĞLU B., ŞENEL B., BÜYÜKKÖROĞLU G., ÜNVER H., YILDIZ M., DEMİR N., YILDIRIM N., ELMALI A.
VI. International Conference "Nanotechnology and Nanomaterials" (NANO – 2018), Kyiv, Ukraine, 27 - 30 August 2018
- 8. A facile preparation of copper nanoparticles using nitrogen-doped graphene quantum dots as**

biomaterials with DNA interactions, antioxidant, and biological properties

DEMİR N., YILDIZ M., ŞAHİNER N., YILDIRIM N., DEMİRCI Ş.

7th International Molecular Biology and Biotechnology Congress, 25 - 27 April 2018, pp.116

9. **Preparation, characterization, anti-microbial, DNA binding and DNA cleavage studies of nitrogen doped graphene quantum dots (GQDs)**
DEMİR N., YILDIZ M., ŞAHİNER N., YILDIRIM N., DEMİRCI Ş.
7th International Molecular Biology and Biotechnology Congress, 25 - 27 April 2018, pp.164
10. **Green synthesis of luminescent nitrogen doped graphene quantum dots and their application as an anti-microbial, DNA agent**
YILDIZ M., ŞAHİNER N., YILDIRIM N., DEMİR N., Demirci Ş.
7th International Molecular Biology and Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018, pp.109
11. **DFT calculation, biological activity, anion sensing application studies and crystal structure of (E)-4-methoxy-2-((4 methylbenzo[d]thiazol-2-ylimino)methyl)phenol**
Ünver H., YILDIZ M., YILDIRIM N., Alparslan G., Boyacıoğlu B., Elmalı A.
PACCON Pure And Applied Chemistry International Conference, Songhla, Thailand, 7 - 08 February 2018, pp.1247-1252
12. **Synthesis, Theoretical, Antimicrobial Activity, DNA Binding, DNA Cleavage and Anion Sensing Studies of (E)-4-chloro-2-((pyridin-2-ylimino)methyl)phenol**
YILDIRIM N., DEMİR N., YILDIZ M., Ünver H., Boyacıoğlu B., Zeyrek C. T.
IVEK 3rd International Convention of Pharmaceutical and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.544
13. **Synthesis, Characterization, Mutagenic Activity and DNA Binding Studies of Mono- and Bis-amido Schiff Bases**
YILDIRIM N., DEMİR N., YILDIZ M.
IVEK 3rd International Convention of Pharmaceutical and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.540
14. **Quantum Chemical and Experimental Studies, Anti-Microbial, Anti-Mutagenic, Dna Binding and Anion Sensors Properties of A Schiff Base Derived From 3,5-Bis(Triflouromethyl)Aniline With 3,5-Dichlorosalicylaldehyde**
ÜNVER H., YILDIZ M., BOYACIOĞLU B., DEMİR N., YILDIRIM N., Zeyrek T., ELMALI A.
The IIER International Conference, Bucharest, Romania, 24 - 25 February 2017
15. **Theoretical Calculations, Biological Activities, Anion Sensing Applications and Cry stallographic Studies of (E)-2-((3,5- Bis(Trifluoromethy) Phenylimino)Methyl)-4,6 Dimethoxyphenol**
BOYACIOĞLU B., ÜNVER H., YILDIZ M., DEMİR N., YILDIRIM N., Zeyrek C. T., ELMALI A.
The IIER International Conference, 24 - 25 February 2017
16. **Anion Sensing, Biological Activities, Spectroscopic and Crystallographic Studies of 5-Methysalicylaldehyde Schiff Base**
YILDIZ M., ÜNVER H., BOYACIOĞLU B., DEMİR N., YILDIRIM N., Zeyrek C. T., ELMALI A.
The IIER International Conference, 24 - 25 February 2017
17. **Quantum Chemical and Experimental Studies, Antimicrobial, Anti-Mutagenic, DNA Binding and Anion Sensors Properties of a Schiff Base derived From 3,5-Bis(Triflouromethyl)Aniline with 3,5-Dichlorosaliclaldehyde**
Ünver H., YILDIZ M., Boyacıoğlu B., DEMİR N., YILDIRIM N., Zeyrek C. T., Elmalı A.
International Conference on Natural Science and Environment (ICNSE), Bucharest, Romania, 24 - 25 February 2017, pp.3
18. **A New Schiff Base Sensor Selective to Anions, Its Ni(II) and Cu(II) Complexes, Inter Actions with DNA, Quantum Chemical and Spectral Studies and Use as Anticancer Agent**
YILDIZ M., Ünver H., Boyacıoğlu B., YILDIRIM N., DEMİR N., Zeyrek C. T., Elmalı A.
THE 2nd INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, Üsküp, Macedonia, 26 - 29 October 2016, pp.9
19. **A Schiff Base Sensor Selective to Anions, Quantum Mechanical Calculation and DNA Binding Studies**
Ünver h., Boyacıoğlu B., YILDIZ M., DEMİR N., YILDIRIM N., Zeyrek C. T., Elmalı A.
2nd INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, Üsküp,

Macedonia, 26 - 30 October 2016, pp.238

20. **Synthesis, Spectroscopic and Crystallographic Characterization of Pyridine-imine Compounds: DFT Calculation, Anion Sensor and Biological Activity Studies**
Ünver H., Yolal D., Zeyrek C. T., Boyacıoğlu B., YILDIZ M., DEMİR N., YILDIRIM N.
2nd INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES (2nd ITWCCST), Skopje, Macedonia, 26 - 30 October 2016, pp.237
21. **DNA binding, DNA cleavage, antimicrobial activities, antimutagenic and anticancer studies of a Schiff base and its complexes**
YILDIRIM N., DEMİR N., YILDIZ M.
41st Federation of European Biochemical Societies (FEBS), Aydın, Turkey, 3 - 08 September 2016, pp.154
22. **Synthesis, Characterization, Antimicrobial Activity and DNA Binding Studies of a Schiff Base**
YILDIZ M., YILDIRIM N., DEMİR N., Ünver H., Boyacıoğlu B., Zeyrek C. T.
2.İVEK Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 27 - 29 November 2015, pp.157
23. **Antimicrobial Activity, DNA Binding and DNA Cleavage, Quantum Chemical Studies and Sensing Applications of (E)-2-[(3,5-bis(trifluoromethyl)phenylimino)methyl]-4chlorophenol**
DEMİR N., YILDIZ M., YILDIRIM N., Ünver H., Zeyrek C. T.
2.İVEK Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 27 - 29 November 2015, pp.201
24. **Synthesis, Theoretical, Antimicrobial Activity, DNA Binding and DNA Cleavage Studies of (E)-3-((3,5-bis(trifluoromethyl)phenylimino)methyl)benzene-1,2-diol**
YILDIRIM N., DEMİR N., YILDIZ M., Ünver H., Boyacıoğlu B., Zeyrek C. T.
2.İVEK Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 27 - 29 November 2015, pp.209
25. **Determination of Antimutagenic, DNA Binding and DNA Cleavage Properties of an Imine Compound**
YILDIRIM N., DEMİR N., YILDIZ M., Geren E.
2.İVEK Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 27 - 29 November 2015, pp.195
26. **(E)-2[(3,5-Bis (Triflorometil) Fenilimino)Metil]-4-Klorofenol' ün Antimikrobiyal, Kolorometrik Sensor ve DNA'ya Bağlanma Özellikleri**
YILDIRIM N., DEMİR N., YILDIZ M., Ünver H.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.226
27. **Bis(İmino) Polieter Bileşiklerinin Biyolojik Aktivite ve ve DNA'ya Bağlanma Özelliklerinin Araştırılması.**
YILDIRIM N., DEMİR N., Tan E., YILDIZ M.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.233
28. **Synthesis, Biological Activity, Crystal Structure and Quantum Chemical Studies of A Novel Bidentate Schiff Base Derivate from 3,5 Bis(Trifluoromethyl) Aniline and Salicylaldehyde**
YILDIZ M., Karpuz Ö., Zeyrek C. T., Boyacıoğlu B., dal h., DEMİR N., YILDIRIM N., Ünver H.
Molecular Modeling in Chemistry and Biochemistry, Cluj-Napoca, Romania, 13 - 14 November 2014, pp.68-69
29. **Bazı Schiff Bazı ve Komplekslerinin Sentezi, DNA'ya Bağlanma Etkilerinin ve Antimikrobiyal Aktivitelerinin İncelenmesi.**
YILDIRIM N., DEMİR N., YILDIZ M.
22.Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.705

Academic and Administrative Experience

2020 - Continues	Deputy Head of Department	Çanakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler
2020 - Continues	Program Koordinatörü	Çanakkale Onsekiz Mart University, Çanakkale Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler

Courses

Sterilisation and Disinfection, Associate Degree, 2023 - 2024, 2022 - 2023
Neurophysiology, Associate Degree, 2024 - 2025, 2023 - 2024
Vocational English, Associate Degree, 2024 - 2025, 2023 - 2024
Neurodegeneration and Aging, Associate Degree, 2023 - 2024, 2022 - 2023
Mesleki Yabancı Dil II, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021
Vocational Foreign Language II, Associate Degree, 2022 - 2023, 2020 - 2021
Genetic Diagnostics Techniques, Associate Degree, 2023 - 2024
Biophysics, Associate Degree, 2023 - 2024, 2022 - 2023
Research Methods and Techniques, Associate Degree, 2023 - 2024, 2022 - 2023
Critical Thinking, Associate Degree, 2023 - 2024
Safety in Electroneurophysiological Devices, Associate Degree, 2022 - 2023, 2021 - 2022
Neurologic Disorders, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020
Neurophysiology, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020
Vocational Foreign Language I, Associate Degree, 2022 - 2023
Vocational Foreign Language, Associate Degree, 2022 - 2023, 2021 - 2022
Vocational Foreign Language I, Associate Degree, 2022 - 2023, 2021 - 2022, 2020 - 2021
Vocational Foreign Language, Associate Degree, 2022 - 2023
Vocational Foreign Language I, Associate Degree, 2022 - 2023, 2020 - 2021
General Biology, Associate Degree, 2020 - 2021, 2019 - 2020

Metrics

Publication: 41
Citation (WoS): 118
Citation (Scopus): 106
H-Index (WoS): 6
H-Index (Scopus): 6

Research Areas

Life Sciences, Molecular Biology and Genetics, Natural Sciences