

Prof. NEVİN SÜLEYMANOĞLU

Personal Information

Email: nsuleymanoglu@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/nsuleymanoglu>

International Researcher IDs

ScholarID: KY3RcHUAAAAJ

ORCID: 0000-0002-2741-3687

Publons / Web Of Science ResearcherID: CAA-1457-2022

ScopusID: 26644545800

Yoksis Researcher ID: 204627

Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (Dr), Turkey 1991 - 1999

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (YI) (Tezli), Turkey 1987 - 1990

Undergraduate, Ondokuz Mayıs University, Faculty Of Education, Department Of Mathematics And Science Teaching, Turkey 1982 - 1986

Dissertations

Doctorate, İyonomerlerin elektron spin rezonans yöntemi ile incelenmesi, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (Dr), 1950

Postgraduate, Işınlanmış polimetilmetakrilat (PMMA) ESR spektrumlarının benzetişim yoluyla çözümlenmesi, Hacettepe University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (YI) (Tezli), 1950

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Gazi University, Fen Bilimleri Enstitüsü, -, 2022 - Continues

Academic and Administrative Experience

Head of Department, Gazi University, Ostim Meslek Yüksekokulu, Elektrik Ve Enerji Bölümü, 2014 - 2016

Head of Department, Ondokuz Mayıs University, Faculty Of Education, Department Of Mathematics And Science Teaching, 2003 - 2009

Supervised Theses

SÜLEYMANOĞLU N., Dft Study And Antiparasitic Activities Of Uracil Derivatives, Postgraduate, P.KUBAŞIK(Student), 2020
SÜLEYMANOĞLU N., Dft Study And Antimicrobial Activities Of Schiff Bases Derivates With Thiophene, Postgraduate,
E.ESMER(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, characterization, investigation of biological activities and in Silico studies of Bis 4-Bromobenzene sulphonate compounds**
Unver Y., Usta T., ÇELİK F., AYDIN A., GÜLER H. İ., SÜLEYMANOĞLU N., USTABAŞ R., Bektaş K. İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1319, 2025 (SCI-Expanded)
- II. **New bis 4-bromobenzene sulphonate compound: Synthesis, characterizatn, DFT study, antibacterial and leishmanicidal activity**
SÜLEYMANOĞLU N., Af C., Direkel Ş., ÇELİK F., GÜLER H. İ.
Journal of the Indian Chemical Society, vol.101, no.12, 2024 (SCI-Expanded)
- III. **Synthesis, characterization, and biological activity of novel 1,2,4-triazole moieties: Antileishmania, antimicrobial effects, and molecular docking studies**
SÜLEYMANOĞLU N., ÜNVER Y., Ustabaş R., ÇELİK F., GÜLER H. İ., Direkel Ş., Bektaş K. İ.
Journal of Molecular Structure, vol.1314, 2024 (SCI-Expanded)
- IV. **New 1,2,4-triazol-3-one derivatives with 4-fluorobenzene: Synthesis, characterization, DFT, antimicrobial-antiproliferative activities and molecular docking study**
ÜNVER Y., ÇELİK F., AYDIN A., SÜLEYMANOĞLU N., USTABAŞ R., GÜLER H. İ., Bektaş K. İ.
Journal of Molecular Structure, vol.1305, 2024 (SCI-Expanded)
- V. **1,2,4-Triazol 4-Bromobenzenesulfonates: Synthesis, Characterization (IR, NMR), DFT, Enzym Activities, and Docking Study**
USTABAŞ R., ÇELİK F., SÜLEYMANOĞLU N., GÜLER H. İ., Türkan F., Oğuz E., ÜNVER Y.
Russian Journal of Physical Chemistry A, vol.98, no.4, pp.707-719, 2024 (SCI-Expanded)
- VI. **New Imidazole Derivatives: Synthesis, Spectroscopic Characterization, DFT, Biological Activities, and In Silico Study**
Süleymanoğlu N., Çelik F., Ustabaş R., Güler H. İ., Şahin H., Direkel Ş., Ünver Y.
Russian Journal of Physical Chemistry A, vol.97, no.13, pp.3037-3049, 2023 (SCI-Expanded)
- VII. **New Thiophene-Butanol Derivatives: Synthesis, Spectroscopic Characterization, DFT, Biological Activities and In Silico Study**
Ustabaş R., Süleymanoğlu N., Çelik F., Güler H. İ., Bektaş K. İ., Direkel Ş., Ünver Y.
Russian Journal of Physical Chemistry A, vol.97, no.11, pp.2488-2500, 2023 (SCI-Expanded)
- VIII. **Some Azo Dyes Containing Uracil: DFT Study and Antiparasitic Activity for Leishmania promastigotes and Trichomonas vaginalis**
Direkel Ş., Süleymanoğlu N., Eyduran F., Tileklioğlu E., Ertabaklar H., Karaman Ü.
Russian Journal of Bioorganic Chemistry, vol.49, no.6, pp.1408-1421, 2023 (SCI-Expanded)
- IX. **1,3-Bis(((E)-(9-ethyl-9H-carbazol-3-yl)methylene)amino)propan-2-ol: Synthesis, Characterization DFT Study, and Acetylcholinesterase Inhibitory Activity**
Çelik F., Süleymanoğlu N., Ustabaş R., Bektaş E., Ünver Y.
Russian Journal of Physical Chemistry A, vol.97, no.5, pp.981-988, 2023 (SCI-Expanded)
- X. **Bis-1,2,4-triazol derivatives: Synthesis, characterization, DFT, antileishmanial activity and molecular docking studyo**
SÜLEYMANOĞLU N., Ustabas R., GÜLER H. İ., DİREKEL Ş., ÇELİK F., ÜNVER Y.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.13, pp.5970-5980, 2023 (SCI-Expanded)
- XI. **New carbazol derivatives containing 1,2,4-triazole: Synthesis, characterization, DFT study, acetylcholinesterase activity and docking study**
ÜNVER Y., SÜLEYMANOĞLU N., Ustabaş R., GÜLER H. İ., Bektaş E., Bektaş K. İ., ÇELİK F.
Journal of the Indian Chemical Society, vol.99, no.10, 2022 (SCI-Expanded)

- XII. **New chalcone derivative, ethyl 2-(4-(3-(benzo[b]thiophen-2-yl)acryloyl)phenoxy)acetate: synthesis, characterization, DFT study, enzyme inhibition activities and docking study**
ÇELİK F., SÜLEYMANOĞLU N., Ustabas R., TÜRKAN F., GÜLER H. İ., ÜNVER Y., KAHRİMAN N.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.22, pp.12260-12267, 2022 (SCI-Expanded)
- XIII. **3-(5-(1H-imidazol-1-yl) pent-1-en-1-yl)-9-ethyl-9H-carbazole: synthesis, characterization (IR, NMR), DFT, antimicrobial-antioxidant activities and docking study**
ÜNVER Y., SÜLEYMANOĞLU N., Ustabas R., İNAN BEKTAŞ K., BEKTAŞ E., GÜLER H. İ.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.23, pp.12990-13000, 2022 (SCI-Expanded)
- XIV. **(2E)-3-(1-benzothiophen-2-yl)-1-(4-hydroxyphenyl)prop-2-en-1-one: Synthesis, Characterization (IR, NMR and UV-Vis) DFT Study and Antimicrobial Activity**
SÜLEYMANOĞLU N., Ustabas R., Eyduran F., Direkel S., ÜNVER Y., KAHRİMAN N.
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.43, no.6, pp.712-725, 2021 (SCI-Expanded)
- XV. **Synthesis, spectroscopic and computational investigation of N1,N4-bis(3-oxobutanoyl)benzene-1,4-dicarbohydrazide as a coupling component for azo dyes from waste poly(ethyleneterephthalate) bottle**
EYDURAN F., SÜLEYMANOĞLU N., Ustabas R.
JOURNAL OF MOLECULAR STRUCTURE, vol.1244, 2021 (SCI-Expanded)
- XVI. **DFT Study and Antiparasitic Activity of Some Azo Dyes Containing Uracil**
Süleymanoğlu N., Kubasik P., Direkel Ş.
JOURNAL OF CHEMISTRY, vol.2021, 2021 (SCI-Expanded)
- XVII. **1,2,3-triazole derivative: Synthesis, characterization, DFT, molecular docking study and antibacterial-antileishmanial activities**
ÇELİK F., Ustabas R., SÜLEYMANOĞLU N., DİREKEL Ş., GÜLER H. İ., ÜNVER Y.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.98, no.8, 2021 (SCI-Expanded)
- XVIII. **Theoretical study and antimicrobial activities of New Schiff base derivatives with thiophene**
SÜLEYMANOĞLU N., Demir E. E., DİREKEL Ş., ÜNVER Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1218, 2020 (SCI-Expanded)
- XIX. **5-(4-Bromobenzyl)-4-(4-(5-phenyl-1,3,4-oxadiazole-2-yl)phenyl)-2,4-dihydro-3H-1,2,4-triazole-3-one: Synthesis, characterization, DFT study and antimicrobial activity**
Ustabas R., Suleymanoglu N., ÜNVER Y., DİREKEL Ş.
JOURNAL OF MOLECULAR STRUCTURE, vol.1214, 2020 (SCI-Expanded)
- XX. **New Chalcone Derivative: Synthesis, Characterization, Computational Studies and Antioxidant Activity**
Ustabas R., SÜLEYMANOĞLU N., ÖZDEMİR N., KAHRİMAN N., BEKTAŞ E., ÜNVER Y.
LETTERS IN ORGANIC CHEMISTRY, vol.17, no.1, pp.46-53, 2020 (SCI-Expanded)
- XXI. **5-Methyl-4-[3-(2-oxopyrrolidin-1-yl)propyl]-2,4-dihydro-3H-1,2,4-triazol-3-one: Synthesis, Characterization, and DFT Study**
Suleymanoglu N., Ustabas R., Unver Y., Alpaslan Y. B.
Russian Journal of Organic Chemistry, vol.55, no.12, pp.1929-1935, 2019 (SCI-Expanded)
- XXII. **5-Phenyl thiophene amino phenol derivatives: Synthesis, spectroscopic characterization, computational study and antimicrobial activity**
SÜLEYMANOĞLU N., Ustabas R., ÜNVER Y., ALPASLAN Y. B., Direkel S., KARAMAN Ü.
JOURNAL OF MOLECULAR STRUCTURE, vol.1182, pp.36-46, 2019 (SCI-Expanded)
- XXIII. **Spectroscopic characterization and density functional studies of new thiadiazole 1,1-dioxide compounds**
ALPASLAN Y. B., SÜLEYMANOĞLU N., Ustabas R., ERTÜRK A. G., GÖKCE H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1174, pp.32-42, 2018 (SCI-Expanded)
- XXIV. **1,2,4-triazole derivatives with morpholine; DFT study and antileishmanial activity**
SÜLEYMANOĞLU N., Ustabas R., DİREKEL Ş., ALPASLAN Y. B., ÜNVER Y.
CANADIAN JOURNAL OF PHYSICS, vol.96, no.7, pp.719-723, 2018 (SCI-Expanded)
- XXV. **1,2,4-triazole derivative with Schiff base; thiol-thione tautomerism, DFT study and antileishmanial**

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Süleymanoğlu N., Ustabas R., Direkel Ş., Alpaslan Y. B., Ünver Y.

JOURNAL OF MOLECULAR STRUCTURE, vol.1150, pp.82-87, 2017 (SCI-Expanded)

- XXVI. **Antileishmanial activity study and theoretical calculations for 4-amino-1,2,4-triazole derivatives**
Süleymanoğlu N., Ünver Y., Ustabas R., Direkel Ş., Alpaslan G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1144, pp.80-86, 2017 (SCI-Expanded)
- XXVII. **Theoretical and antimicrobial activity study for ethyl{4-[3-(1H-imidazole-1-yl)propyl]-3-methyl-5-oxo-4,5-dihydro-1H-1,2,4-triazol-1-yl}acetate**
SÜLEYMANOĞLU N., ÜNVER Y., USTABAS R., DİREKEL Ş., ALPASLAN Y. B.
SPECTROSCOPY LETTERS, vol.50, no.2, pp.96-101, 2017 (SCI-Expanded)
- XXVIII. **The new Schiff base 4-[(4-Hydroxy-3-fluoro-5-methoxy-benzylidene)amino]-1,5-dimethyl-2-phenyl-1,2-dihydro-pyrazol-3-one: Experimental, DFT calculational studies and in vitro antimicrobial activity**
OCAK İSKELELİ N., ALPASLAN Y. B., DİREKEL Ş., ERTÜRK A. G., SÜLEYMANOĞLU N., USTABAS R.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.139, pp.356-366, 2015 (SCI-Expanded)
- XXIX. **Experimental and theoretical investigation of the molecular and electronic structure of 3-ethoxy-4-isopropylaminocyclobut-3-ene-1,2-dione**
SÜLEYMANOĞLU N., USTABAS R., ALPASLAN Y. B., EYDURAN F., OCAK İSKELELİ N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.96, pp.35-41, 2012 (SCI-Expanded)
- XXX. **Experimental (C-13 NMR, H-1 NMR, FT-IR, single-crystal X-ray diffraction) and DFT studies on 3,4-bis(isopropylamino)cyclobut-3-ene-1,2-dione**
SÜLEYMANOĞLU N., USTABAS R., ALPASLAN Y. B., EYDURAN F., OZYUREK C., OCAK İSKELELİ N.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.83, no.1, pp.472-477, 2011 (SCI-Expanded)
- XXXI. **Synthesis, spectroscopic characterization, calculational studies and in vitro antitumoral activity of 4-(3-(1H-imidazol-1-yl)propyl)-(thiophen-2-ylmethyl)-1H-1,2,4-triazol-5(4H)-one**
SÜLEYMANOĞLU N., USTABAS R., ALPASLAN Y. B., ÜNVER Y., TURAN M., SANCAK K.
JOURNAL OF MOLECULAR STRUCTURE, vol.989, pp.101-108, 2011 (SCI-Expanded)
- XXXII. **Experimental and theoretical studies of the molecular structure of 4-(3-(1H-imidazol-1-yl)propyl)-5-p-tolyl-2H-1,2,4-triazol-3(4H)-one**
USTABAS R., SÜLEYMANOĞLU N., TANAK H., ALPASLAN Y. B., ÜNVER Y., SANCAK K.
JOURNAL OF MOLECULAR STRUCTURE, vol.984, pp.137-145, 2010 (SCI-Expanded)
- XXXIII. **Experimental and Semi-Empirical and DFT Calculational Studies on (E)-2-[(2,4-Dichlorophenylimino) methyl]-p-cresol**
ALPASLAN Y. B., SULEYMANOĞLU N., OZTEKİN E., ERSAHİN F., AGAR E., İSİK S.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.40, no.11, pp.950-956, 2010 (SCI-Expanded)
- XXXIV. **2-Propylamino-5-[4-(2-hydroxy-3,5-dichlorobenzylideneamino) phenyl]-1,3,4-thiadiazole: X-ray and DFT-calculated structures**
Suleymanoglu N., Ustabas R., Alpaslan Y. B., Coruh U., KARAKUŞ S., Rollas S.
STRUCTURAL CHEMISTRY, vol.21, no.1, pp.59-65, 2010 (SCI-Expanded)
- XXXV. **On pre-service science teachers' preexisting knowledge levels about basic astronomy concepts**
Turkoglu O., Ornek F., Gokdere M., Suleymanoglu N., Orbay M.
International Journal of Physical Sciences, vol.4, no.11, pp.734-739, 2009 (SCI-Expanded)

Articles Published in Other Journals

1. **2 Benzoylmethyl 4 2 benzylidene ethylidene amino 5 2 thienylmethyl 2H 1 2 4 triazol 3 4H one**
USTABAŞ R., ÜNVER Y., SÜLEYMANOĞLU N., ÇORUH U., SANCAK K.

Papers Published in Refereed Scientific Meetings

- I. **Some azo dyes containing urasil DFT study and antiparasitic activity**
KUBAŞIK P., SÜLEYMANOĞLU N., DİREKEL Ş., EYDURAN F., KARAMAN Ü.
Turkish physical society 35th international physics congress, 4 - 08 September 2019
- II. **TİYOFENLİ SCHİFF BAZI TÜREVLERİNİN ANTİBAKTERİYEL AKTİVİTESİ**
ESMER E., SÜLEYMANOĞLU N., DİREKEL Ş., ÜNVER Y.
34. ANKEM Akılcı Antibiyotik Kullanımı Kongresi, 01 May 2019
- III. **Spectroscopic Characterization and Density Functional Studies of New Thiadiazole 1,1-dioxide Compounds**
BİNGÖL ALPASLAN Y., SÜLEYMANOĞLU N., USTABAŞ R., GEDİZ ERTÜRK A., GÖKCE H.
III. International Turkish Congress on Molecular Spectroscopy, 26 - 29 August 2017
- IV. **Theoretical Study for Thiol-Thione Tautomerism of 1,2,4-Triazole Derivatives with Schiff Base and Thiophene**
SÜLEYMANOĞLU N., USTABAŞ R., BİNGÖL ALPASLAN Y., ÜNVER Y.
Turkish Physical Society 33 th International Physics Congress, 6 - 10 September 2017
- V. **THEORETICAL STUDY FOR THIOL-THIONE TAUTOMERISM OF 1,2,4-TRIAZOLE DERIVATIVE WITH SCHIFF BASE AND THIOPHENE**
SÜLEYMANOĞLU N., USTABAŞ R., BİNGÖL ALPASLAN Y., ÜNVER Y.
TURKISH PHYSICAL SOCIETY 33RD INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017
- VI. **1,2,4-Triazole Derivatives with Morpholine and Antileishmanial Activity**
SÜLEYMANOĞLU N., USTABAŞ R., DİREKEL Ş., BİNGÖL ALPASLAN Y., ÜNVER Y.
Turkish Physical Society 33 th International Physics Congress, 6 - 10 September 2017
- VII. **1,2,4-triazole derivatives with morpholine DFT study and Antileishmanial activity**
SÜLEYMANOĞLU N., USTABAŞ R., DİREKEL Ş., BİNGÖL ALPASLAN Y., ÜNVER Y.
turkish physical society 33th international physics congress, 6 - 10 September 2017
- VIII. **The new Schiff base 4 4 Hydroxy 3 fluoro 5 methoxybenzylidene amino 1 5 dimethyl 2 phenyl 1 2 dihydro pyrazol 3 one Experimental DFT calculational studies and in vitro antimicrobial activity**
OCAK İSKELELİ N., BİNGÖL ALPASLAN Y., DİREKEL Ş., GEDİZ ERTÜRK A., SÜLEYMANOĞLU N., USTABAŞ R.
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015
- IX. **On The Preexisting Knowledge Level of Future Elementary School Teachers About Basic Astronomy Concepts**
TÜRKOĞLU O., GÖKDERE M., SÜLEYMANOĞLU N., ORBAY M.
Balkan Physical Union-Hellenic Physical Society 7th General Conference of the Balkan Physical Union
Alexandroupolis, Greece, 9 - 13 September 2009

Supported Projects

- Aydiner B., Seferoğlu Z., Seferoğlu N., Yalçın E., SÜLEYMANOĞLU N., Project Supported by Higher Education Institutions, G4-DNA'yı kararlı kılan yeni nesil floresans ligandların sentezi, teorik çalışmaları, ligand-DNA etkileşim mekanizmalarının spektroskopik yöntemlerle açıklanması , 2018 - 2021
- SÜLEYMANOĞLU N., Project Supported by Higher Education Institutions, Tiyofenli Schiff bazı türevlerinin DFT çalışması ve antimikrobiyal aktiviteleri, 2019 - 2020
- SÜLEYMANOĞLU N., Project Supported by Higher Education Institutions, Urasil türevlerinin DFT çalışması ve antiparaziter aktiviteleri, 2019 - 2020

Peer Reviews in Scientific Publications

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, February 2024

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, January 2024

Metrics

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