

# **Prof. NEVİN SÜLEYMANOĞLU**

## **Personal Information**

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## **International Researcher IDs**

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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**

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

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

## **Advising 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. 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)
- II. 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)
- III. 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)
- IV. 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)
- V. 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)
- VI. 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)
- VII. 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)
- VIII. 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)
- IX. 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)
- X. (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)
- XI. 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)
- XII. DFT Study and Antiparasitic Activity of Some Azo Dyes Containing Uracil  
SÜLEYMANOĞLU N., Kubasik P., DİREKEL Ş.  
JOURNAL OF CHEMISTRY, vol.2021, 2021 (SCI-Expanded)
- XIII. 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)
- XIV. 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)
- XV. 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)
- XVI. 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)
- XVII. 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)
- XVIII. 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)
- XIX. 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)
- XX. 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)
- XXI. 1,2,4-triazole derivative with Schiff base; thiol-thione tautomerism, DFT study and antileishmanial activity  
SÜLEYMANOĞLU N., Ustabas R., DİREKEL Ş., ALPASLAN Y. B., ÜNVER Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1150, pp.82-87, 2017 (SCI-Expanded)
- XXII. Antileishmanial activity study and theoretical calculations for 4-amino-1,2,4-triazole derivatives  
SÜLEYMANOĞLU N., ÜNVER Y., Ustabas R., DİREKEL Ş., ALPASLAN G.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1144, pp.80-86, 2017 (SCI-Expanded)
- XXIII. 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)
- XXIV. The new Schiff base 4-[(4-Hydroxy-3-fluoro-5-methoxy-benzylidene)amino]-1,5-dimethyl-1-2-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)

- XXV. **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)
- XXVI. **Experimental (<sup>13</sup>C-NMR, <sup>1</sup>H-NMR, FT-IR, single-crystal X-ray diffraction) and DFT studies on 3,4-bis(isoproylamo) 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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **Experimental and Semi-Empirical and DFT Calculational Studies on (E)-2-[(2,4-Dichlorophenylimino) methyl]-p-cresol**  
 Alpaslan Y. B., Suleymanoglu N., Oztekin E., Ersahin F., Agar E., Isik S.  
 JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.40, no.11, pp.950-956, 2010 (SCI-Expanded)
- XXX. **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)
- XXXI. **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

- I. **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.  
 Acta ". Acta Crystallographica Section E-Structure Reports Online, 2009 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Some azo dyes containing urasil DFT studyand 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., Seferoglu Z., Seferoglu N., Yalçın E., SÜLEYMANOĞLU N., Project Supported by Higher Education Institutions, G4-DNA'yi 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 bazi 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

## **Scientific Refereeing**

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, February 2024

JOURNAL OF MOLECULAR STRUCTURE, SCI Journal, January 2024

## **Metrics**

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