

## Res. Asst. PhD FATİH ÇELİK

### Personal Information

**Email:** fatih.celik@ktu.edu.tr

**Other Email:** fatih.celik502@gmail.com

**Web:** <https://avesis.ktu.edu.tr/fatih.celik>

**Address:** Ktü, Fen Fakültesi, Kimya Bölümü Trabzon

### International Researcher IDs

ORCID: 0000-0001-5510-3494

Publons / Web Of Science ResearcherID: AAK-8325-2021

Yoksis Researcher ID: 149579

### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Organik Kimya, Turkey 2013 - 2018

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Organik Kimya, Turkey 2010 - 2013

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Kimya Bölümü, Turkey 2006 - 2009

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, CLICK REAKSİYONU UYGULAMALARI İLE HİBRİT 1,2,3-TRİAZOLLERİN SENTEZİ VE BİYOKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, Karadeniz Technical University, Fen Fakültesi, Kimya/Organik Kimya, 2018

Postgraduate, TİYOFEN VE 1,2,4-TRİAZOL-3(5)-ON İÇERİKLİ SCIFF BAZLARININ SENTEZİ, KARAKTERİZASYONU VE BİYOKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, Karadeniz Technical University, Fen Fakültesi, Kimya Bölümü, 2013

### Research Areas

Chemistry, Organic Chemistry, Chemistry of Aromatic Compounds, Chemistry of Heterocyclic Compounds, Carbon Chemistry, Organic Reaction Mechanisms, Organic Spectroscopy, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2022 - Continues

Research Assistant PhD, Karadeniz Technical University, Fen Fakültesi, Kimya, 2017 - 2022

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya Bölümü, 2011 - 2017

### Academic and Administrative Experience

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

- I. **Synthesis, characterization, and biological activity of novel 1,2,4-triazole moieties: Antileishmania, antimicrobial effects, and molecular docking studies**  
SÜLEYMANOĞLU N., ÜNVER Y., Ustabas R., ÇELİK F., GÜLER H. İ., Direkel Ş., Bektaş K. İ.  
Journal of Molecular Structure, vol.1314, 2024 (SCI-Expanded)
- II. **Synthesis and characterization of newly phthalocyanine molecules: Their enzyme inhibition and antioxidant properties, in silico and in vitro**  
ÇELİK F., ÜNVER Y., OzTuncay F., Cakmak U., KOLCUOĞLU Y., Uzun K., ÖZTÜRK H., Yorulmaz N., DEĞİRMENCİOĞLU İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.1016, 2024 (SCI-Expanded)
- III. **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.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1305, 2024 (SCI-Expanded)
- IV. **Cytotoxic Effects of Compounds with a Carbazole Scaffold on Human Brain, Gynecological, and Colon Cancer Cells**  
Yalazan H., Aydın A., Çelik F., Ünver Y., Kantekin H.  
CHEMISTRYSELECT, vol.8, no.41, 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**  
ÇELİK F., SÜLEYMANOĞLU N., Ustabas R., Bektaş E., ÜNVER Y.  
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.97, no.5, pp.981-988, 2023 (SCI-Expanded)
- VI. **Experimental and theoretical investigations, enzyme inhibition activity and docking study of 5-methyl-4-(2-(piperazin-1-yl)ethyl)-2,4-dihydro-3H-1,2,4-triazol-3-one**  
Evecen M., Çelik F., Bektaş E., Güler H. İ., Ünver Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1275, 2023 (SCI-Expanded)
- VII. **New Schiff Bases with Thiophene Ring: Synthesis, Biological Activities, and Molecular Docking Study**  
Çelik F., Inan Bektaş K., Güler H. İ., Direkel Ş., Ünver Y.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.93, no.2, pp.409-417, 2023 (SCI-Expanded)
- VIII. **Bis-1,2,4-triazol derivatives: Synthesis, characterization, DFT, antileishmanial activity and molecular docking study**  
SÜLEYMANOĞLU N., Ustabas R., GÜLER H. İ., Direkel S., ÇELİK F., ÜNVER Y.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.13, pp.5970-5980, 2023 (SCI-Expanded)
- IX. **New carbazol derivatives containing 1,2,4-triazole: Synthesis, characterization, DFT study, acetylcholinesterase activity and docking study**  
ÜNVER Y., SÜLEYMANOĞLU N., Ustabas R., GÜLER H. İ., Bektaş E., Bektaş K. İ., ÇELİK F.  
Journal of the Indian Chemical Society, vol.99, no.10, 2022 (SCI-Expanded)
- X. **Biscarbazole Derivatives: Synthesis, Characterization, Antimicrobial and Antitumor Activity, and Molecular Docking Study**  
Çelik F., Aydın A., Inan Bektaş K., Güler H. İ., Nalçaoğlu A., Ünver Y.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.92, no.10, pp.2145-2160, 2022 (SCI-Expanded)
- XI. **1,2,4-Triazole derivative containing thiophen ring: Comparison of theoretical IR and NMR data with experimental**  
ÇELİK F., ÜNVER Y.  
Journal of the Indian Chemical Society, vol.99, no.6, 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**  
Çelik F., Süleymanoğlu N., Ustabas R., Türkan F., Güler H. İ., Ünver Y., Kahrıman N.

- XIII. **1,2,3-triazole derivative: Synthesis, characterization, DFT, molecular docking study and antibacterial-antileishmanial activities**  
ÇELİK F., Ustabas R., SÜLEYMANOĞLU N., Direkel Ş., GÜLER H. İ., ÜNVER Y.  
Journal of the Indian Chemical Society, vol.98, no.8, 2021 (SCI-Expanded)
- XIV. **Synthesis of novel 1,2,3 triazole derivatives and assessment of their potential cholinesterases, glutathione S-transferase enzymes inhibitory properties: An in vitro and in silico study**  
ÇELİK F., Turkan F., Aras A., Atalar M. N., Karaman H. S., ÜNVER Y., KAHRİMAN N.  
BIOORGANIC CHEMISTRY, vol.107, 2021 (SCI-Expanded)
- XV. **Electrochemistry, electropolymerization and electrochromism of novel phthalocyanines bearing morpholine groups**  
Akyuz D., DEMİRBAŞ Ü., KOCA A., ÇELİK F., KANTEKİN H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1206, 2020 (SCI-Expanded)
- XVI. **Synthesis, characterization and DNA interaction properties of the novel peripherally tetra 4-(3-methyl-4-(3-morpholinopropyl)-5-oxo-4,5-dihydro-1H-1,2,4-triazol-1-yl) substituted water soluble Zn(II) and Cu(II) phthalocyanines**  
DEMİRBAŞ Ü., Barut B., ÖZEL A., ÇELİK F., KANTEKİN H., SANCAK K.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1177, pp.571-578, 2019 (SCI-Expanded)
- XVII. **Molecular Conformational Analysis, Spectroscopic Characterization, Intramolecular Hydrogen Bonding and Natural Bond Analysis of (E,Z)-2-(4-Amino-5-oxo-3-(thiophene-2-ylmethyl)-4,5-dihydro-1,2,4-triazole-1-yl)-N'-(thiophene-2-ylmethylene) Acetohydrazide**  
ATALAY A., ÇELİK F., ÜNVER Y., SANCAK K., KAYGUSUZ K.  
LETTERS IN ORGANIC CHEMISTRY, vol.16, no.3, pp.215-225, 2019 (SCI-Expanded)
- XVIII. **Analysis on molecular, spectroscopic and electronic behavior of 4,4'-(butane-1,4-diyl)bis(14(1-(4-chlorobenzyl)-1H-1,2,3-triazol-5-yl) methyl)-3-methyl-1H-1,2,4-triazol-5(4H)-one): A theoretical approach**  
Evecen M., Tanak H., ÜNVER Y., ÇELİK F., Semiz L.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1174, pp.60-66, 2018 (SCI-Expanded)
- XIX. **New bis 1,3,4-oxadiazole derivatives: syntheses, characterizations, computational studies, and antioxidant activities**  
ÜNVER Y., Gökce H., Bektas E., ÇELİK F., DEĞİRMENCİOĞLU İ.  
CANADIAN JOURNAL OF CHEMISTRY, vol.96, no.12, pp.1047-1059, 2018 (SCI-Expanded)
- XX. **Synthesis, Characterization and Biological Activities of New Symmetric Bis-1,2,3-Triazoles with Click Chemistry**  
ÇELİK F., ÜNVER Y., Barut B., ÖZEL A., SANCAK K.  
MEDICINAL CHEMISTRY, vol.14, no.3, pp.230-241, 2018 (SCI-Expanded)
- XXI. **Synthesis of new 1,2,4-triazole compounds containing Schiff and Mannich bases (morpholine) with antioxidant and antimicrobial activities**  
ÜNVER Y., DENİZ S., ÇELİK F., Akar Z., KÜÇÜK M., SANCAK K.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, pp.89-95, 2016 (SCI-Expanded)
- XXII. **Synthesis of Novel Symmetrical 1,4-Disubstituted 1,2,3-Bistriazole Derivatives via 'Click Chemistry' and Their Biological Evaluation**  
Dugdu E., Unluer D., ÇELİK F., SANCAK K., Karaoglu S. A., ÖZEL A.  
MOLECULES, vol.21, no.5, 2016 (SCI-Expanded)
- XXIII. **Synthesis, characterization, electrochemical and spectroelectrochemical properties of novel peripherally tetra-1,2,4-triazole substituted phthalocyanines**  
DEMİRBAŞ Ü., Kobak R. Z. U., AKCAY H. T., UNLUER D., KOCA A., ÇELİK F., KANTEKİN H.  
SYNTHETIC METALS, vol.215, pp.68-76, 2016 (SCI-Expanded)
- XXIV. **New thiophene-1,2,4-triazole-5(3)-ones: Highly bioactive thiosemicarbazides, structures of Schiff bases and triazole-thiols**  
ÜNVER Y., SANCAK K., ÇELİK F., BİRİNCİ E., KÜÇÜK M., Soylu S., Burnaz N. A.

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.84, pp.639-650, 2014 (SCI-Expanded)

- XXV. **Synthesis, characterization, and antioxidant activities of new trisubstituted triazoles**  
SANCAK K., ÜNVER Y., UNLUER D., DUGDU E., KOR G., ÇELİK F., BİRİNCİ E.  
TURKISH JOURNAL OF CHEMISTRY, vol.36, no.3, pp.457-466, 2012 (SCI-Expanded)
- XXVI. **4-[2-(4-Methoxyphenyl)ethyl]-3-(thiophen-2-ylmethyl)-1H-1,2,4-triazol-5(4H)-one monohydrate**  
GURUMOORTHY A., GOPALSAMY V., Ramamurthi K., UNLUER D., ÇELİK F.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.67, 2011 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Synthesis, characterization and biological activity of novel ionic liquids with bis-imidazole moieties: antitumor, antimicrobial effects and molecular docking studies**  
ÇELİK F., ÜNVER Y., AYDIN A., GÜLER H. İ., Bektaş K. İ.  
Organic Communications, vol.17, no.1, pp.23-37, 2024 (ESCI)
- II. **Synthesis of New Bis-Triazole Compounds Including Schiff Bases and Enzyme Inhibition and Antioxidant Activities**  
ÜNVER Y., ÇELİK F., DÜĞDÜ E., BARUT B., SANCAK K.  
Jacobs Journal of Medicinal Chemistry, vol.1, no.1, pp.1-7, 2016 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Theoretical Study for Ethyl-2-(4-Amino-5-Oxo-3-(Thiophene-2-ylmethyl)-4,5-Dihydro-1,2,4-Triazole-1-yl) Acetate**  
ÜNVER Y., ATALAY A., BİRİNCİ E., ÇELİK F., SANCAK K.  
4th Organic Chemistry Congress, Antalya, Turkey, 4 - 07 October 2018
- II. **Synthesis of Thiophene-Imidazol-Containing Hydrazones**  
ÜNVER Y., Ünlüer D., Düğdü E., ÇELİK F.  
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.607
- III. **Synthesis, Characterization And Biological Activities Of New Symmetric Bis-1,2,3-Triazoles With Click Chemistry**  
ÇELİK F., ÜNVER Y., SANCAK K.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.77
- IV. **Bis 1,3,4-Oxadiazole Derivatives: Syntheses, Characterizations, Computational Studies and Antioxidant Activities**  
ÜNVER Y., Gökçe H., BEKTAŞ E., ÇELİK F.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.76
- V. **Antioxidant and Antileishmanial Studies for S-Alkyl 1,3,4-Oxadiazole Derivatives**  
ÜNVER Y., BEKTAŞ E., DİREKEL Ş., ÇELİK F.  
THE SECOUND JAPAN-TURKEY INTERNATIONAL SYMPOSIUM ON PHARMACEUTICAL AND BIOMEDICAL SCIENCES, Trabzon, Turkey, 11 - 12 October 2017, pp.74
- VI. **Antileishmanial and Antioxidant Studies for Mannich Bases Of 1,3,4-Oxadiazoles**  
ÜNVER Y., BEKTAŞ E., DİREKEL Ş., ÇELİK F.  
THE SECOUND JAPAN-TURKEY INTERNATIONAL SYMPOSIUM ON PHARMACEUTICAL AND BIOMEDICAL SCIENCES, Trabzon, Turkey, 11 - 12 October 2017, pp.73
- VII. **Bis 1 2 4 Triazoles Including Hydrazone and Biological Activities**  
ÜNVER Y., ÇELİK F.  
4th.International BAU Drug Design Congress, 13 - 15 October 2016

- VIII. **Bis-1,2,4-triazoles Including Hydrazone and Biological Activities**,  
ÜNVER Y., ÇELİK F.  
4th. International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.129
- IX. **Bis-1,2,3-triazollerin Sentezi ve Karakterizasyonu**  
ÇELİK F., UNLUER D., DUGDU E., SANCAK K.  
3. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.123
- X. **Triazol İçerikli Sülfonamidlerin Eldesi, Karakterizasyonu: X-Ray, Ortep Diyagramları**  
ÇELİK F., ÇEKİRGE E., DUGDU E., UNLUER D.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.437
- XI. **Aminotiyozollerle Beklenmedik Açılasyon Reaksiyonu ve Elde Edilen Yapıların Spektroskopik Yöntemlerle İncelenmesi**  
GÜL G., UNLUER D., ÇELİK F., SANCAK K.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.438
- XII. **Aldehit Türevi 1,2,3-Triazollerin Sentezi Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi**  
ÇELİK F., UNLUER D., DENİZ S., ÜNVER Y.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.436
- XIII. **Sülfonil Grubu İçeren 1,2,3-Triazol Bileşiklerinin Sentezi ve Karakterizasyonu**  
UNLUER D., ÇELİK F., DUGDU E., BİRİNCİ E.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.439
- XIV. **Synthesis of New 1,2,4-Triazol compounds including mannich and Schiff Base and Analysis of Biological Activities**  
DENİZ S., ÇELİK F., ÜNVER Y., BİRİNCİ E., GÜL G.  
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015, pp.172
- XV. **Synthesis of New 1,2,3-Triazole compounds including 1,2,4-Triazole Ring and Schiff Base and Analysis of Biological Activities**  
ÇELİK F., UNLUER D., DUGDU E., SANCAK K., ÇEKİRGE E.  
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015, pp.171
- XVI. **1,2,4-Triazol Heterohalka Sistemini İhtiva eden Orijinal Nitelikteki 1,3,4-Tiyadiazol Bileşiklerinin Sentezi ve Karakterizasyonu**  
ÇELİK F., ÜNVER Y., UNLUER D., DENİZ S.  
2. Ulusal Organik Kimya Kongresi, Ankara, Turkey, 24 - 26 September 2014, pp.53
- XVII. **Klik Reaksiyonu Uygulaması ile Ketonik Uç İhtiva Eden Bisli 1,2,3-Triazollerin Sentezi ve Karakterizasyonu**  
ÇELİK F., SANCAK K., BİRİNCİ E., DUGDU E.  
2. Ulusal Organik Kimya Kongresi, Ankara, Turkey, 24 - 26 September 2014, pp.52
- XVIII. **New Thiophene-1,2,4-Triazole-5(3)-Ones: Highly Bioactive Thiosemicarbazides, Structures Of Schiff Bases And Triazole-Thiols**  
ÇELİK F., birinci e., ÜNVER Y., düğdü e., ünlüer d., SANCAK K.  
44 th world chemistry congress, 11 - 16 August 2013
- XIX. **New thiophene-1,2,4-triazole-5(3)Ones: Highly bioactive thiosemicarbazides, structures of schiff bases and triazole-thioles**  
ÇELİK F., BİRİNCİ E., ÜNVER Y., DUGDU E., UNLUER D., SANCAK K.  
44th. Word Chemistry Congress, İstanbul, Turkey, 11 August 2013 - 16 August 2016, pp.1120
- XX. **Synthesis and structural of novel substituted 4H-1,2,4-triazol family**  
DUGDU E., UNLUER D., ÇELİK F., BİRİNCİ E., ÜNVER Y., SANCAK K.  
44th. Word Chemistry Congress, İstanbul, Turkey, 11 August 2013 - 16 August 2016, pp.2
- XXI. **İmidazolyum zwitter iyonik sıvıların sentezi ve anyon değiştirme reaksiyonları**  
düğdü e., ünlüer d., ÇELİK F., birinci e., ÜNVER Y.  
25. ulusal kimya kongresi, Turkey, 27 June - 02 July 2011
- XXII. **İmidazol Halkası Taşıyan Bazı Yeni Triazol-5-on'ların Sentezi ve Karakterizasyonu**  
Düğdü E., BİRİNCİ E., ÇELİK F., UNLUER D., SANCAK K.

- XXV. Uluslararası Katılımlı Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.132
- XXIII. **İmidazolyum Zwitter İyonik Sıvıların Sentezi ve Anyon Değişirme Reaksiyonları**  
DUGDU E., UNLUER D., ÇELİK F., BİRİNCİ E., ÜNVER Y.  
XXV. Uluslararası Katılımlı Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.131
- XXIV. **Yeni Bazı 1,2,4-Triazol-5-on' ların Sentezi ve Antioksidan Özelliklerinin İncelenmesi**  
SANCAK K., MEYDANAL S., DUGDU E., ÇELİK F., UNLUER D.  
XXV. Uluslararası Katılımlı Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.213

## Metrics

Publication: 52  
Citation (WoS): 299  
Citation (Scopus): 305  
H-Index (WoS): 9  
H-Index (Scopus): 9

## Congress and Symposium Activities

Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Attendee, Antalya, Turkey, 2018  
THE SECOUND JAPAN-TURKEY INTERNATIONAL SYMPOSIUM ON PHARMACEUTICAL AND BIOMEDICAL SCIENCES, Attendee, Trabzon, Turkey, 2017  
4 TH INTERNATIONAL BAU DRUG DESIGN CONGRESS, Attendee, İstanbul, Turkey, 2016  
3.ULUSAL ORGANİK KİMYA KONGRESİ, Attendee, Trabzon, Turkey, 2016  
27.ULUSAL KİMYA KONGRESİ, Attendee, Çanakkale, Turkey, 2015  
ANATOLIAN CONFERENCE ON SYNTHETIC ORGANIC CHEMISTRY, Attendee, Antalya, Turkey, 2015  
2. ULUSAL ORGANİK KİMYA KONGRESİ, Attendee, Ankara, Turkey, 2014  
44 TH WORLD CHEMISTRY CONGRESS, Attendee, İstanbul, Turkey, 2013  
25. ULUSAL KİMYA KONGRESİ, Attendee, Erzurum, Turkey, 2011

## Scholarships

TÜBİTAK-BİDEB 2211-E Doğrudan Yurt İçi Doktora Bursu, TUBİTAK, 2013 - Continues  
TÜBİTAK-BİDEB 2210-Yurt İçi Yüksek Lisans Bursu, TUBİTAK, 2010 - Continues

## Awards

ÇELİK F., Üniversite ikinciliği, Karadeniz Teknik Üniversitesi, July 2009  
ÇELİK F., Fen Fakültesi, Kimya Bölümü ikinciliği, Karadeniz Teknik Üniversitesi, July 2009  
ÇELİK F., Fen Fakültesi ikinciliği, Karadeniz Teknik Üniversitesi, July 2009