

## Lect. PhD CEMİLE ZONTUL

### Personal Information

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### Education Information

Doctorate, Sivas Cumhuriyet University, Sağlık Bilimleri Enstitüsü, BİYOKİMYA, Turkey 2018 - 2024

Postgraduate, Sivas Cumhuriyet University, Sağlık Bilimleri Enstitüsü, BİYOKİMYA, Turkey 2013 - 2017

Undergraduate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 2008 - 2012

### Research Areas

Health Sciences, Natural Sciences

### Academic Titles / Tasks

Lecturer, Sivas Cumhuriyet University, Yıldızeli Meslek Yüksekokulu, Kimya ve Kimyasal İşleme Teknolojileri, 2020 - Continues

### Courses

SU KİMYASI VE ANALİZLERİ, Associate Degree, 2021 - 2022

TIBBİ LABORATUVAR, Associate Degree, 2021 - 2022

BİYOTEKNOLOJİ, Associate Degree, 2022 - 2023

FERMANTASYON TEKNİKLERİ, Associate Degree, 2022 - 2023

TOKSİKOLOJİ, Associate Degree, 2021 - 2022

GENEL KİMYA I, Associate Degree, 2022 - 2023

GENEL KİMYA II, Associate Degree, 2021 - 2022

SAĞLIK BİLGİSİ VE İLK YARDIM, Associate Degree, 2021 - 2022

ORGANİK KİMYA, Associate Degree, 2021 - 2022

KLİNİK BİYOKİMYA VE UYGULAMALARI, Associate Degree, 2021 - 2022

TIBBİ TERMİNOLOJİ, Associate Degree, 2021 - 2022

TEMEL BİYOKİMYA, Associate Degree, 2020 - 2021

ANORGANİK KİMYA, Associate Degree, 2021 - 2022

STOKİYOMETRİ, Associate Degree, 2021 - 2022

POLİMER KİMYASI, Associate Degree, 2021 - 2022

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

- I. **In Silico and In Vitro Studies of Novel Azomethines on DNA Repair Genes in Gastric Cell Lines.**  
Ozturk A., Agbektas T., Huseynzada A., Guliyev R., Ganbarova R., Hasanova U., Tas A., Erkan S., Zontul C., Inandikcioglu N., et al.  
Life (Basel, Switzerland), vol.13, no.10, 2023 (SCI-Expanded)
- II. **Effect of azomethine group containing compounds on gene profiles in Wnt and MAPK signal patterns in lung cancer cell line: In silico and in vitro analyses**  
Agbektas T., Zontul C., Ozturk A., Huseynzada A., Ganbarova R., Hasanova U., Cinar G., Tas A., Kaya S., Chtita S., et al.  
Journal of Molecular Structure, vol.1275, 2023 (SCI-Expanded)
- III. **Potassium Ion Channel Protein (KCNH) Levels in Patients with Fibromyalgia Syndrome**  
TAŞ A., HAYTA E., KARADAĞ A., Zontul C., Ozmen E., Aydin S., SİLİĞ Y.  
CELLULAR AND MOLECULAR BIOLOGY, vol.67, no.5, pp.451-457, 2021 (SCI-Expanded)
- IV. **Comparison of beta-2 adrenergic receptor gene polymorphisms between patients with fibromyalgia syndrome and healthy controls**  
Şen Çakiroğlu G., HİZMETLİ S., SİLİĞ Y., KARADAĞ A., Hayta E., Özaltın B., TAŞ A., Zontul C.  
Archives of Rheumatology, vol.35, no.3, pp.328-334, 2020 (SCI-Expanded)
- V. **High levels of cathepsin S and cystatin C in patients with fibromyalgia syndrome.**  
Kocak I., Hizmetli S., Tas A., Karadag A., Zontul C., Silig Y.  
International journal of rheumatic diseases, vol.23, pp.966-969, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Diagnostic Significance of Chemerin and Chitinase 3-Like Protein 1 Levels in Cholelithiasis**  
Öztürk A., Gül M. A., Zontul C., Güçlü G., Ağbektas T., Taş A., Topçu Ö., Silig Y.  
Ankara Üniversitesi Tıp Fakültesi Mecmuası, vol.76, pp.173-179, 2023 (Peer-Reviewed Journal)
- II. **DETERMINATION OF THE IMPACTS OF TITANIUM DIOXIDE NANOPARTICLES ON A NUMBER OF XENOBIOTIC-METABOLIZING ENZYMES IN RAT LIVER**  
Taş A., Keklikcioğlu Çakmak N., Ağbektas T., Zontul C., Özmen E., Silig Y.  
Scientific Journal of Mehmet Akif Ersoy University, 2023 (Peer-Reviewed Journal)
- III. **ASSOCIATION OF SERUM ANNEXIN A3 (ANXA3) LEVELS WITH AGE-RELATED MACULAR DEGENERATION**  
ÖZTÜRK A., GÜL M. A., AĞBEKTAŞ T., ZONTUL C., ÇİFTÇİ C. H., TAŞ A., YALINBAŞ YETER D., SİLİĞ Y.  
Bozok Tıp Dergisi, 2023 (Peer-Reviewed Journal)
- IV. **Destek Vektör Makineleri ile Fibromiyalji Sendromu Sınıflaması**  
ZONTUL C., HAYTA E., ZONTUL M., TAŞ A., SİLİĞ Y.  
ACTA INFOLOGICA, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **THE ROLE OF MEDICINAL PLANTS IN TREATING NEURODEGENERATIVE DISEASES**  
AĞBEKTAŞ T., ZONTUL C.  
in: MEDICINAL PLANTS: SECONDARY METABOLITES, UTILIZATION, HUMAN HEALTH-I, , Editor, Iksad Publications, Ankara, pp.149-188, 2023

## Refereed Congress / Symposium Publications in Proceedings

- I. **THE EFFECT OF COMPOUND B-84 CONTAINING AZOMETHINE GROUP ONNQ01 GENE**

Uygun S., Zontul C., Tunçbilek Z., Gürleyük E. C., Huseynzada A., Guliyev R., Ganbarova R., Hasanova U., Taş A., Siliğ Y.  
4th International Cancer Days, Sivas, Turkey, 28 - 30 September 2023, pp.216

- II. **THE EFFECT OF AZOMETINE GROUP COMPOUNDS CONTAINING SCHIFF BASE ON EXPRESSION PROFILES OF GENES INVOLVED IN WNT AND MAPK PATHWAY IN LUNG CANCER CELL LINES: In Silico and In Vitro ANALYSIS**  
AĞBEKTAŞ T., ZONTUL C., ÖZTÜRK A., Huseynzada A., Ganbarova R., Hasanova U., CINAR G., TAŞ A., Chtita S., KAYA S., et al.  
Internatiol Conference on Physical Chemistry/Functional Materials (PCMF22), Turkey, 23 June 2022
- III. **EVALUATION OF THE EFFECT OF COMPOUND B-108 CONTAINING AZOMETHINE GROUP ON DNA REPAIR GENE**  
EĞİLMEZ E., ZONTUL C., HUSEYİNZADA A., ALİYEVA G., HASANOVA U., TAŞ A., SİLİĞ Y.  
III. INTERNATIONAL CANCER DAYS, Sivas, Turkey, 15 September 2022, pp.289
- IV. **INVESTIGATION OF THE EFFECT OF THE NEW SYNTHESIS MOLECULE CONTAINING THE AZOMETHINE GROUP ON SOME LIPID GENES**  
ÇINAR G., ZONTUL C., GANBAROVA R., HUSEYİNZADA A., HASANOVA U., TAŞ A., SİLİĞ Y.  
III. INTERNATIONAL CANCER DAYS, Sivas, Turkey, 15 September 2022, pp.270
- V. **EFFECTS OF SCHFF BASE CONTAINING MOLECULE ON FOX GENES FAMILY**  
ZONTUL C., TUNÇBİLEK Z., GANBAROVA R., HUSEYİNZADA A., HASANOVA U., TAŞ A., HASBEK Z., SİLİĞ Y.  
3. international cancer days, Sivas, Turkey, 15 September 2022, pp.287
- VI. **The Effect of Azometine Group Compounds Containing Shiftt Base on Expression Profiles of Genes Involved in Wnt and Mapk Pathway in Lung Cancer Cell Lines: in Silico and in Vitro Analysis**  
AĞBEKTAŞ T., ZONTUL C., ÖZTÜRK A., HUSEYİNZADA A. H., GANBAROVA R., HASANOVA U., ÇINAR G., TAŞ A., KAYA S., SİLİĞ Y.  
5 th International Conference on Physical Chemistry & Functional Materials, Sivas, Turkey, 23 June 2022, pp.85
- VII. **Investigation of the Relationship Between ASIC3 Gene Polymorphism and Fibromyalgia Syndrome**  
Zontul C., Taş A., Hayta E., Siliğ Y.  
TBS INTERNATIONAL BIOCHEMISTRY CONGRESS 2021/ 32ND NATIONAL BIOCHEMISTRY CONGRESS, Gaziantep, Turkey, 27 October - 30 November 2021, vol.46, pp.52
- VIII. **In vitro CERVICAL ANTI-CANCER ACTIVITIES OF PACLITAXEL LOADED FOLATE-CHITOSAN NANOPARTICLES AND EXPRESSION ANALYSIS OF MYC, PRDX1, NFKB1 GENES.**  
AĞBEKTAŞ T., KEKLİKCİOĞLU ÇAKMAK N., KUCUKYAZICI M., ZONTUL C., SİLİĞ Y.  
2nd International Cancer Days, Turkey, 26 October 2021
- IX. **In Vitro ANTICANCER ACTIVITIES OF FOLATE-CHITOSAN NANOPARTICLES LOADED WITH ZEOLITE, ANGIOGENESIS AND OXIDATIVE STRESS GENE EXPRESSIONS IN CERVICAL CANCER**  
ZONTUL C., GÜÇLÜ G., KEKLİKCİOĞLU ÇAKMAK N., AĞBEKTAŞ T., EROĞLU A., SİLİĞ Y.  
2nd International Cancer Days, Turkey, 26 October 2021
- X. **IN VITRO CERVICAL ANTI-CANCER ACTIVITIES OF PACLITAXEL LOADED FOLATE-CHITOSAN NANOPARTICLES AND EXPRESSION ANALYSIS OF MYC, PRDX1, NFKB1 GENES**  
AĞBEKTAŞ T., KEKLİKCİOĞLU ÇAKMAK N., KÜÇÜKYAZICI M., ZONTUL C., SİLİĞ Y.  
II. INTERNATIONAL CANCER DAYS, Sivas, Turkey, 16 - 18 September 2021, pp.287
- XI. **Determination of the impacts of titanium dioxide nanoparticles on a number of xenobiotic-metabolizing enzymes in rat liver**  
TAŞ A., KEKLİKCİOĞLU ÇAKMAK N., AĞBEKTAŞ T., ZONTUL C., ÖZMEN E., SİLİĞ Y.  
Scientific Journal of Mehmet Akif Ersoy University, Turkey, 02 November 2016
- XII. **RAT KARACİGER KSENOBİYOTİK METABOLİZE EDİCİ ENZİMLER ÜZERİNE TİTANYUM OKSİT TiO<sub>2</sub> NANOPARTİKÜLLERİNİN ETKİSİ**  
TAŞ A., KEKLİKCİOĞLU ÇAKMAK N., ZONTUL C., AĞBEKTAŞ T., ÖZMEN E., SİLİĞ Y.  
SİVAS Biyokimya Günleri, Turkey, 02 November 2016
- XIII. **Destek Vektör Makineleri ile Fibromiyalji Sendromu Sınıflaması**  
ZONTUL C., HAYTA E., ZONTUL M., TAŞ A., SİLİĞ Y.

4. Uluslararası Yönetim Bilişim Sistemleri Konferansı, 17 - 20 October 2017

- XIV. **INVESTIGATION OF ANTICANCER ACTIVITIES OF EUPHORBIA MACROCLADA BOİSS METANOL EXTRACTS IN DU-145 PROSTATE CANCER CELLS**  
ŞAHİN BÖLÜKBAŞI S., TAŞ A., ZONTUL C., ÇEVİK E., GÜMÜŞ E., SİLİĞ Y.  
Uluslararası Biyokimya Kongresi – 2017 / 28. Ulusal Biyokimya Kongresi, 19 - 23 September 2017
- XV. **Ranunculus constantinopolitanus (DC.) d’Urv.’un metanol, aseton, su özütlerinin antioksidan aktivitesinin araştırılması**  
ERUYGUR N., ŞAHİN BÖLÜKBAŞI S., TAŞ A., ÇEVİK E., ZONTUL C.  
1. Uluslararası Biyokimya Kongresi/28. Ulusal Biyokimya Kongresi, 19-23 Eylül, Erzurum, Türkiye, 19 - 23 September 2017
- XVI. **Investigation of Antioxidant Activity of Methanol, Acetone and Water Extracts of Ranunculus Constantinopolitanus (DC.)d’Urv**  
ERUYGUR N., ŞAHİN BÖLÜKBAŞI S., TAŞ A., ÇEVİK E., ZONTUL C.  
TBD Uluslararası Biyokimya Kongresi2017 / 28. Ulusal Biyokimya Kongresi, 19 - 23 September 2017
- XVII. **Investigation of Anticancer Activities of Euphorbia Macroclada Boiss Methanol Extracts in DU-145 Prostate Cancer Cells**  
ŞAHİN BÖLÜKBAŞI S., TAŞ A., ZONTUL C., ÇEVİK E., GÜMÜŞ E., SİLİĞ Y.  
TBD Uluslararası Biyokimya Kongresi2017 / 28. Ulusal Biyokimya Kongresi, 19 - 23 September 2017
- XVIII. **Cytotoxic Effect of Acetone Extract of Euphorbia Macroclada Boiss on Prostate Cancer Cells**  
ŞAHİN BÖLÜKBAŞI S., TAŞ A., ZONTUL C., ÇEVİK E., GÜMÜŞ E., SİLİĞ Y.  
TBD Uluslararası Biyokimya Kongresi2017 / 28. Ulusal Biyokimya Kongresi, 19 - 23 September 2017
- XIX. **Investigation of Cytotoxic Properties of Euphorbia Macroclade Boiss Water Extract on DU-145 Cell Line**  
ŞAHİN BÖLÜKBAŞI S., TAŞ A., ÇEVİK E., ZONTUL C., ÖZMEN E., GÜMÜŞ E., SİLİĞ Y.  
TBD Uluslararası Biyokimya Kongresi2017 / 28. Ulusal Biyokimya Kongresi, 19 - 23 September 2017
- XX. **The Cytotoxic Effects of Methanol Extracts of Euphorbia Macroclada Boiss on MDA-MB-231 and MCF-7 Cells**  
ŞAHİN BÖLÜKBAŞI S., TAŞ A., ÖZMEN E., ÇEVİK E., ZONTUL C., SİLİĞ Y.  
3.Uluslararası İlaç ve Eczacılık Kongresi, 26 - 29 April 2017
- XXI. **RAT KARACİGER KSENOBIYOTİK METABOLİZE EDİCİ ENZİMLER ÜZERİNE GRAFENOKSİT NANOPARTİKÜLLERİNİN ETKİSİ**  
TAŞ A., KEKLİKCİOĞLU ÇAKMAK N., AĞBEKTAŞ T., ZONTUL C., ÖZMEN E., SİLİĞ Y.  
SİVAS Biyokimya Günleri, Turkey, 2 - 05 November 2016
- XXII. **RAT KARACİGER KSENOBIYOTİK METABOLİZE EDİCİ ENZİMLER ÜZERİNE TİTANYUM OKSİT TiO2 NANOPARTİKÜLLERİNİN ETKİSİ**  
TAŞ A., KEKLİKCİOĞLU ÇAKMAK N., ZONTUL C., AĞBEKTAŞ T., ÖZMEN E., SİLİĞ Y.  
SİVAS Biyokimya Günleri, Turkey, 2 - 05 November 2016
- XXIII. **RAT KARACİĞER KSENOBIYOTİK METABOLİZE EDİCİ ENZİMLER ÜZERİNE TİTANYUM OKSİT NANOPARTİKÜLLERİNİN ETKİSİ**  
TAŞ A., KEKLİKCİOĞLU ÇAKMAK N., ZONTUL C., AĞBEKTAŞ T., ÖZMEN E., SİLİĞ Y.  
TBD Biyokimya Günleri, Sivas, Turkey, 2 - 05 November 2016
- XXIV. **RAT KARACİGER KSENOBIYOTİK METABOLİZE EDİCİ ENZİMLER ÜZERİNE GRAFENOKSİT NANOPARTİKÜLLERİNİN ETKİSİ**  
TAŞ A., KEKLİKCİOĞLU ÇAKMAK N., AĞBEKTAŞ T., ZONTUL C., ÖZMEN E., SİLİĞ Y.  
SİVAS Biyokimya Günleri, Turkey, 02 November 2016

## Metrics

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