

# LEYLA AÇIK

## PROF.

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AFY-2860-2022

ScopusID: 6602797665

Yoksis Researcher ID: 1781

## Learning Knowledge

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Doctorate 1988 - 1992	University of Manchester Institute of Science and Technology (UMIST), Moleküler Biyoloji Ve Biyokimya, United Kingdom
Postgraduate 1984 - 1987	Gazi University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey
Undergraduate 1979 - 1983	Ankara University, Fen Fakültesi, Biyoloji Bölümü, Turkey

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## Foreign Languages

English, C1 Advanced

## Certificates, Courses and Trainings

Health&Medicine, Prokaryotik ve ökaryotik hücrelere gen aktarımı, Türk Biyokimya Derneği, 2010

Health&Medicine, Avrupa bilim ve eğlence günü, TÜBİTAK, 2010

## Dissertations

Doctorate, Some studies on cytosine permase, University of Manchester Institute of Science and Technology (UMIST), Moleküler Biyoloji Ve Biyokimya, 1992

Postgraduate, Bazı lepidoptera türlerinin erginlerinde sindirim kanalının anatomik ve histolojik incelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 1986

## Academic Titles / Tasks

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Professor 2004 - Continues	Gazi University, Fen Fakültesi, Biyoloji
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Professor  
2005 - 2005

Berkeley College, California Univ, Plant Molecular Biology

Associate Professor  
1999 - 2005

Gazi University, Fen Fakültesi, Biyoloji

Assistant Professor  
1994 - 1999

Gazi University, Fen Fakültesi, Biyoloji

Expert PhD  
1992 - 1993

University of Manchester Institute of Science and Technology (UMIST), Molecular Biology % Biochemistry, Mol Biol

### Supported Projects

1. AÇIK L., KOYUNOĞLU D., Project Supported by Higher Education Institutions, BAZI YENİ SENTEZLENEN TRİFOSFAZENLERİN ANTİMİKROBİYAL AKTİVİTELERİ VE DNA ÜZERİNE ETKİLERİ, 2021 - Continues
2. Aydın B., AÇIK L., Mollahaliloğlu S., Koç M., Project Supported by Higher Education Institutions, Türkiyede Yetişen Farklı Centaurea Türlerinin Lactobacillus Cinsi Probiyotik Bakteriler Üzerindeki Prebiyotik Etkisinin Araştırılması, 2022 - 2024
3. KARAKAN T., AKCA G., İŞLER S. Ç., AÇIK L., EKMEK N., ÖZMERİÇ KURTULUŞ N., ERGİN M., KARATAŞ A., YALINAY A. M., ÜNSAL F. B., et al., Project Supported by Higher Education Institutions, Ülseratif Kolit ve Periodontal Hastalık İlişkisinde Mikrobiyom Analizleri, 2021 - 2023
4. GÜLTEKİN S. E., AÇIK L., BOZDAĞ L., Project Supported by Higher Education Institutions, Likit Biyopsilerin Oral Premalign ve Malign Lezyonlarda Tanı Amaçlı Kullanımı, 2021 - 2023
5. AYDIN B., AÇIK L., Project Supported by Higher Education Institutions, Çeşitli gıda örneklerinden izole edilen enterokokların paraprobiyotik ve postbiyotik aktivitelerinin araştırılması, 2020 - 2023
6. AÇIK L., MERGEN H., SABAH B. N., Project Supported by Higher Education Institutions, Akrep Zehirinin Kanser Hücrelerinde Apoptoz Üzerine Etkilerinin Araştırılması, 2020 - 2023
7. AÇIK L., Project Supported by Higher Education Institutions, Nikotinamid fosforibozil transferaz (NAMPT), İnterlökin-6 (IL-6) ve Vaspinin Tip 2 Diyabetteki Rolü, 2020 - 2023
8. AÇIK L., Project Supported by Higher Education Institutions, Deneysel Diyabet Oluşturulmuş Ratlarda Rosa canina L. Bitki Ekstresinin İnflamasyon Üzerine Etkilerinin İncelenmesi, 2020 - 2022
9. Sarı N., Dişli A., AÇIK L., Hasanoğlu Özkan E., Project Supported by Higher Education Institutions, Tetrazol halkası ve V(III) B grubu geçiş metallerini içeren bazı komplekslerin DNA ile olan etkileşimlerinin incelenmesi ve antimikrobiyal aktivitelerinin belirlenmesi, 2018 - 2022
10. AÇIK L., Project Supported by Higher Education Institutions, Evaporatör Cihazı Tamiri, 2020 - 2021
11. Çapan İ., AÇIK L., Gümüş M., Aydın B., TUBITAK Project, Benzimidazol-Karbazol Temelli Yeni Hibrit Moleküllerin Sentezi Ve Dna İle Etkileşimlerinin Araştırılması, 2020 - 2021
12. AÇIK L., Project Supported by Higher Education Institutions, DNA Görüntüleme Sistemi ve Derin Dondurucu, 2018 - 2019
13. AÇIK L., Project Supported by Higher Education Institutions, NO Donorlu Mono(4-florobenzil) Spirosiklotetrafosfazenlerin Antimikrobiyal ve Sitotoksik Aktiviteleri ve DNA Etkileşimleri, 2017 - 2019
14. AÇIK L., TUBITAK Project, 2-Piridil-Spiro-Siklotrifosfazenlerin ve Tuzlarının Klasik ve/veya Mikrodalga Yöntemleri ile Sentezi, Yapılarının Karakterizasyonu, Antimikrobiyal, Antitüberküloz ve Sitotoksik Aktivitelerinin İncelenmesi, 2017 - 2019
15. AÇIK L., Project Supported by Higher Education Institutions, Oosit Gelişim Kapasitesinin Değerlendirilmesinde

İnsan Kümüls Hücresinin Gen İfade Profillerinin Biyobelirteç Olarak İncelenmesi, 2016 - 2019

16. AÇIK L., TUBITAK Project, N O Donör Atomlu Ferrosenil Siklotetrafosfazen Türevlerinin Klasik ve Mikrodalga Yöntemleri ile Sentezi Stereojenik Termal ve Elektrokimyasal Özelliklerinin Belirlenmesi Antitüberküloz ve Sitotoksik Aktivitelerinin İncelenmesi, 2016 - 2018
17. AÇIK L., Project Supported by Higher Education Institutions, Mono ve Dispiro 4-Bromobenzilaminofosfazenlerin Sentezi, Kristal Yapıları, Spektroskopik Özellikleri, Antimikrobiyal Aktiviteleri ve DNA ile Etkileşimleri, 2016 - 2017
18. AÇIK L., Project Supported by Higher Education Institutions, Bis-Ferrosenil- Sübstitüe Siklotetrafosfazen Türevlerinin Sentezi, Kristal Yapıları, Spektroskopik ve Elektrokimyasal Özellikleri ve Biyolojik Aktiviteleri, 2015 - 2017
19. AÇIK L., Project Supported by Higher Education Institutions, NO Donörlü Mono 4 florobenzil spiro siklotrifosfazen Türevlerinin Sentezi Spektroskopik Özelliklerinin DNA ile Etkileşimlerinin Antimikrobiyal ve Sitotoksik Aktivitelerinin İncelenmesi, 2015 - 2016
20. AÇIK L., Project Supported by Higher Education Institutions, TİP 2 DİABETLİ TÜRK HASTALARDA BAZI GEN POLİMORFİZMLERİNİN BELİRLENMESİ, 2013 - 2016
21. AÇIK L., Project Supported by Higher Education Institutions, N<sub>2</sub>N<sub>2</sub> veya N<sub>2</sub>O<sub>2</sub> Donörlü Tetramerik Fosfozen Türevlerinin Sentezleri Kristal Yapıları Spektroskopik ve Stereojenik Özellikleri DNA ile etkileşimleri Sitotoksik ve Biyolojik Aktiviteleri, 2013 - 2015
22. AÇIK L., Project Supported by Higher Education Institutions, Bazı Bitkilerin Su ve Metanol Ekstrelerinin Antimikrobiyal, Antioksidan Etkilerinin ve Bazı Kanser Hücre Dizileri Üzerine Sitotoksik ve Apoptotik Etkilerinin İncelenmesi, 2012 - 2014
23. Bali E. B., Açıık L., Project Supported by Higher Education Institutions, Bazı Bitkilerin Su ve Metanol Ekstrelerinin Antimikrobiyal Antioksidan Etkilerinin ve Bazı Kanser Hücre Dizileri Üzerine Sitotoksik ve Apoptotik Etkilerinin İncelenmesi, 2012 - 2014
24. Akaydın S., Can E., Açıık L., Şimşek H. B., Çelebi Keskin A., Yalçıntaş Arslan Ü., Atalay M. C., Project Supported by Higher Education Institutions, Investigation of Gene Expression of Pontin and Reptin on Regulation of Telomerase Activity in Several Types of Cancer, 2009 - 2012
25. AÇIK L., Project Supported by Higher Education Institutions, Bellis Perennis Türünün Antimikrobiyal ve Antikanserojen Etkilerinin Araştırılması ve Bu Türün Morfolojik ve Moleküler Yönlerden İncelenmesi, 2007 - 2011
26. Adugüzel N., Vural M., Açıık L., Ünal F., Özbek M. U., TUBITAK Project, Türkiye nin Anthemis L Cinsine Ait Cota J Gay Rupr Seksiyonunun Revizyonu, 2006 - 2010
27. AÇIK L., Project Supported by Higher Education Institutions, Esherichia Coli, Klebsiella ve Acinetobacter Suşlarında Genişlemiş Spektrumlu Beta-Laktamaz (GSBL) Varlığının Araştırılması ve Moleküler Yönden İncelenmesi, 2007 - 2009
28. AÇIK L., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, İLERİ ARAŞTIRMA AR-GE MERKEZİ (1), 2000 - 2008
29. Bali E. B., Açıık L., Project Supported by Higher Education Institutions, Escherichia coli Klebsiella ve Acinetobacter Suşlarında Plazmit veya Kromozomal Kaynaklı Genişlemiş Spektrumlu Beta Laktamaz GSBL Varlığının Araştırılması ve Moleküler Yönden İncelenmesi, 2005 - 2007
30. AÇIK L., Project Supported by Higher Education Institutions, NAT(P)H:Kinon Oksidoredüktas1 (NQO1) Gen Polimorfizminin Kronik Miyelesital Lösemi Olgularında Taranması, 2005 - 2007
31. AÇIK L., Project Supported by Higher Education Institutions, SDS-PAGE ve RAPD-PCR gibi Moleküler Yöntemler kullanılarak Türkiyede Yetişen Nepata L. Türleri Arasında Akrabalık İlişkilerinin Araştırılması, 2005 - 2007
32. AÇIK L., Project Supported by Higher Education Institutions, Bacillus Thuringiensis Toksinlerinin Bazı Lepidopter Lavralarının Orta Bağırsak hücreleri Üzerine Etkisi, 2003 - 2006
33. AÇIK L., Project Supported by Higher Education Institutions, Kirlilik İndikatörü Olan Gammarus Türlerinin Polimeraz Zincir Reaksiyonu (PCR) İle Filogenetik Analizleri, 2003 - 2005
34. AÇIK L., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, TÜRKİYEDE YETİŞEN BAZI ALYSSUM TÜR. NİKEL AKÜM. TAY. VE MOL. YÖN. KARAKTERİZASYONU, 2003 - 2004
35. AÇIK L., Project Supported by Higher Education Institutions, Broilerden izole edilen Esherichia coli, Staphylococcus aureus, Salmonella ve Campylobacter jejuni suşlarının plasmid, Protein profilleri ve PCR analizleri, 2002 - 2004

36. AÇIK L., Project Supported by Higher Education Institutions, Mastitisli ineklerden izole edilen Staphylococcus suşlarının tanımlanması Plazmid DNA izolasyonu ve protein Profillerinin belirlenmesi., 2002 - 2004
37. AÇIK L., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, ÇEVRE KİRLİLİĞİNE NEDEN OLAN HAM PETROL BİÖ., 2001 - 2004
38. AÇIK L., Project Supported by Higher Education Institutions, Endemik EBENUSL. Cinsinin 15 taksonunun DNA ve protein profilleri kullanılarak moleküler yönden karşılaştırılması, 2001 - 2003
39. AÇIK L., Project Supported by Higher Education Institutions, Endüstriyel ve yabani tip mayalarda yüksek alkol üretiminden sorumlu gen olan PET 191 geninin sekanz analizlerinin yapılması, 2000 - 2000
40. AÇIK L., Project Supported by Higher Education Institutions, Boru hatları ile petrol taşıma A.Ş. Kerkük Ceyhan boru hattı boyunca korozyona neden olan bakterilerin tür ve sayılarının tesbiti, plasmid profillerinin belirlenmesi ve kimyasal analizleri., 1999 - 1999
41. AÇIK L., Project Supported by Higher Education Institutions, Srvix kanserlerinin HPV16-18'in belirlenmesi ve klinikopatoloji özelliklerle karşılaştırılması, 1998 - 1998
42. AÇIK L., Project Supported by Higher Education Institutions, Mısır FFF hatlarında homozigotluğun PCR yöntemi ile belirlenerek GAP bölgesinde uygun mısır tohumlarının eldesi, 1997 - 1997
43. AÇIK L., Project Supported by Higher Education Institutions, Çeşitli maya suşları kullanılarak Melasdan Etanol üretimi, 1996 - 1996
44. AÇIK L., Project Supported by Higher Education Institutions, Restriction fragment Length polymorphisms kullanılarak allium türlerinin analizi, 1995 - 1995

## Awards

1. Açık L., 2021-2022 Yılı Makale Ödülü, Gazi Üniversitesi, December 2023
2. Açık L., En çok yayın yapma ödülü, G.Ü. Fen Fak. Dekanlığı, May 2018
3. Açık L., Bölümde en çok yayın yapan kişi, G.Ü. Fen Fakültesi Dekanlığı, March 2015
4. Açık L., SCI- Yayın ödülü, Gazi Üniversitesi Rektörlüğü, June 2014
5. Bali E. B., Açık L., Sarper M., Elçi P., Avcu F., Vural M., Achillea teretifolia Willd. Özütlelerinin Du145 Prostat Kanseri Hücre Dizisi Üzerine Sitotoksik Etkisi, Xxv. Ulusal Biyokimya Kongresi, Poster Ödülü, September 2013
6. Açık L., SCI- Yayın ödülü, Gazi Üni. Rektörlüğü, May 2012
7. Açık L., SCI- Yayın ödülü, Gazi Üniversitesi Rektörlüğü, July 2011
8. Açık L., NOVARTİS makale ödülü, Novartis, January 2011
9. Açık L., SC Yayın Ödülü, Gazi Üniversitesi Rektörlüğü, May 2010

## Scholarships

YÖK Doktora bursu, YOK, 1987 - 1992

## Jury Memberships

Award, Temel Bilimler Komisyonu, Gazi University, November, 2023  
Award, Uluslararası Biyoloji Olimpiyatları, Gazi University, July, 2023  
Award, International Junior Science Olympiad 2021, Gazi University, December, 2021  
Award, International Biology Olympiad (IBO), Gazi University, August, 2021  
Award, Turkish Academy of Sciences, TÜBA-GEBİP, Gazi Üniversitesi, June, 2021  
Award, Tübitak Bilim Ödülleri, Gazi University, June, 2021  
Associate Professor Exam, Associate Professor Exam, Gazi Üniversitesi, October, 2020  
Award, International Biology Olympiad (IBO), Gazi University, August, 2020  
Award, TUBA-GEBİP Ödülü, Gazi University, August, 2020

Doctorate, Doctorate, The University of Agriculture, March, 2020

Doctorate, Doctorate, Gazi Üniversitesi, January, 2020

## Taught Courses And Trainings

Açık L., Biyoloji Olimpiyatları Kasım Kampı, 2023 - 2023

Açık L., 31. Bilim Olimpiyatları Yaz Okulu, 2023 - 2023

Açık L., Uluslararası Biyoloji Olimpiyatı 5. Takım Kampı, 2023 - 2023

Açık L., Uluslararası Biyoloji Olimpiyatı 4. Takım Kampı, 2023 - 2023

Açık L., Uluslararası Biyoloji Olimpiyatı 3. Takım Kampı, 2023 - 2023

Açık L., Uluslararası Biyoloji Olimpiyatı 2. Takım Kampı, 2023 - 2023

Açık L., Uluslararası Biyoloji Olimpiyatı Takım Kampı, 2023 - 2023

Açık L., 30. TÜBİTAK Bilim Olimpiyatları Kış Okulu, 2023 - 2023

Açık L., Bilim Olimpiyatları Programı 2021 yılı Yaz Okulu, 2021 - 2021

Açık L., TÜBİTAK Bilim Olimpiyatları Programı Biyoloji 2021 Takım Kampları, 2021 - 2021

Açık L., TÜBİTAK Bilim Olimpiyatları Programı Biyoloji 2021 Kış Okulu, 2021 - 2021

Açık L., Bilim Olimpiyatları Programı 2020 yılı Yaz Okulu, 2020 - 2020

Açık L., TÜBİTAK Bilim Olimpiyatları Programı Biyoloji 2020 Takım Kampları', 2020 - 2020

Açık L., TÜBİTAK Bilim Olimpiyatları Programı Biyoloji 2020 Kış Okulu', 2020 - 2020

Açık L., practical course in yeast molecular genetics, 1998 - 1998

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

- 1. Design, synthesis, characterization, theoretical calculations, molecular docking studies, and biological evaluation of new Fe(II) and Cu(II) complexes of 2-acetylpyridine derivative sulfonyl hydrazone Schiff base**  
Çınarlı M., Ataoğ Ç. Y., Zeyrek C. T., Ögütçü H., AÇIK L., Batı H.  
Journal of Molecular Structure, vol.1321, 2025 (SCI-Expanded)
- 2. Phosphorus-Nitrogen Compounds: Part 76. Design and Syntheses of Dispiro- and Trispiro(N/N)cyclotriphosphazenes: Conformational and Structural Analyses, Chirality, Electrochemical, Dye-Sensitized Solar Cells, and Bioactivity Studies**  
CEMALOĞLU R., ASMAFİLİZ N., Tümer Y., Hökelek T., Kılıç Z., Çelik N. N., AÇIK L., Güzel R., Güzel Erdal G.  
Inorganic Chemistry, vol.63, no.39, pp.18389-18407, 2024 (SCI-Expanded)
- 3. PDCD4 and MIR-21 are promising biomarkers in the follow-up of OED in liquid biopsies**  
Arslan Bozdağ L., AÇIK L., ERSOY D. E., Bayir Ö., Korkmaz M. H., MOLLAOĞLU N., GÜLTEKİN S. E.  
Oral Diseases, vol.30, no.6, pp.3873-3883, 2024 (SCI-Expanded)
- 4. Phosphorus-Nitrogen compounds part 74. Syntheses of (p-dimethylamino)benzyl-spiro-(N/N)-cyclotriphosphazenes: Structural characterizations, bioactivity studies, DFT calculations and reactivity parameters**  
İnci Tanrıku G., Zülfikaroğlu A., ELMAS G., OKUMUŞ A., Kılıç Z., Hökelek T., AÇIK L., Nurjanah D.  
Inorganica Chimica Acta, vol.569, 2024 (SCI-Expanded)
- 5. Antibacterial efficacy of silver nanoparticles, sodium hypochlorite, chlorhexidine, and hypochlorous acid on dentinal surfaces infected with Enterococcus faecalis**  
Oncu A., ÇELİKBAŞ A., AYDIN B., AMASYA ÇELİKTEKİN G., TUNCAY E., Eskiler G. G., AÇIK L., SEVİMAY F. S.  
Microscopy Research and Technique, vol.87, no.9, pp.2094-2102, 2024 (SCI-Expanded)
- 6. Phosphorus-nitrogen compounds: part 75—design, synthesis, stereogenic and conformational properties of chiral dispiro(N/N)cyclotriphosphazenes: structural analysis and photophysical and bioactivity studies**  
Cemaloğlu R., Asmafiliz N., Kılıç Z., Topaloğlu Aksoy B., Sabah B. N., Açık L., Hökelek T.

Research on Chemical Intermediates, vol.50, no.6, pp.2603-2628, 2024 (SCI-Expanded)

7. **Determination of oral and gut mucosal microbiome profiles of patients with treatment-naive ulcerative colitis**  
KARAKAN T., Kurtulus N. O., Unsal B., İŞLER S. Ç., Akca G., Soysal F., Cindoruk M., Ulkar S. E., AÇIK L., Ergin M., et al.  
JOURNAL OF CROHNS & COLITIS, 2024 (SCI-Expanded)
8. **NAMPT, IL-6, and vaspin gene expressions and serum protein levels in type 2 diabetes mellitus and related complication**  
Çelik S. P., Parilti D. N., AÇIK L., YALÇIN M. M., YETKİN İ., Yunusov E.  
Turkish Journal of Biology, vol.48, no.2, pp.133-141, 2024 (SCI-Expanded)
9. **Phosphorus-nitrogen compounds. Part 67. The reactions of Mono/bis (4-fluorobenzyl)spiro(N/N)cyclotriphosphazenes with sodium(3-amino-1-propanoxide): investigation of spectral properties, DNA-cleavage and antimicrobial activities**  
Okumuş A., Elmas G., Kilic Z., Gonder L. Y., Açık L.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.198, no.3, pp.272-282, 2023 (SCI-Expanded)
10. **Phosphorus-nitrogen compounds: Part 69—Unsymmetrical dispiro(N/N)cyclotriphosphazenes containing different pendant arms: syntheses, characterization, stereogenism, photophysical and bioactivity studies**  
CEMALOĞLU R., ASMAFİLİZ N., Çoşut B., Kılıç Z., SABAH B. N., AÇIK L., MERGEN H., Hökelek T.  
Research on Chemical Intermediates, vol.49, 2023 (SCI-Expanded)
11. **Phosphorus-nitrogen compounds. Part 58. Syntheses, structural characterizations and biological activities of 4-fluorobenzyl-spiro(N/O)cyclotriphosphazene derivatives**  
Binici A., Elmas G., Okumuş A., Erden Tayhan S., Hökelek T., Seker B. N., Açık L., Kilic Z.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.1, pp.298-318, 2023 (SCI-Expanded)
12. **Phosphorus-nitrogen compounds: part 68. Synthesis, characterization, stereogenism, photophysical and bioactivity studies of novel unsymmetrical dispiro(N,N)cyclotriphosphazenes with carbazolyl and 4-chlorobenzyl pendant arms**  
CEMALOĞLU R., ASMAFİLİZ N., Kilic Z., ÇOŞUT B., SABAH B. N., AÇIK L., Cerci N. A., HÖKELEK T.  
NEW JOURNAL OF CHEMISTRY, vol.47, no.4, pp.1900-1915, 2022 (SCI-Expanded)
13. **Comparative evaluation of the antifungal efficacy of sodium hypochlorite, chlorhexidine, and silver nanoparticles against Candida albicans**  
Öncü A., Çelikten B., Aydın B., Amasya G., Açık L., Sevimay F. S.  
MICROSCOPY RESEARCH AND TECHNIQUE, vol.85, no.12, pp.3755-3760, 2022 (SCI-Expanded)
14. **Phosphorus-nitrogen compounds. Part 65. Novel diansa-spiro-cyclotetraphosphazenes: synthesis, characterization, bioactivity and electrochemical properties, and dye-sensitized solar cell fabrication studies**  
Mutlu G., OKUMUŞ A., ELMAS G., Kilic Z., GÜZEL R., SABAH B. N., AÇIK L., MERGEN H., Hokelek T.  
NEW JOURNAL OF CHEMISTRY, vol.46, no.38, pp.18384-18401, 2022 (SCI-Expanded)
15. **Phosphorus-nitrogen compounds. Part 62. Preparation of tetraaminobis (4-fluorobenzyl)spiro(N/N)cyclotriphosphazenes: Chemical, structural characterizations, antimicrobial, antioxidant and DNA-binding activity studies**  
Okumuş A., Elmas G., Binici A., Aydın B., Açık L., Kılıç Z., Hökelek T.  
INORGANICA CHIMICA ACTA, vol.538, 2022 (SCI-Expanded)
16. **Phosphorus-nitrogen compounds. Part 64. Comparative reactions of spiro and ansa (N/O) cyclotetraphosphazenes with bulky (4-fluorobenzyl) N/N and N/O donor type bidentate reagents: structure, stereogenic properties and cytotoxic activity studies**  
ELMAS G., Binici A., YAKUT M., OKUMUŞ A., Kilic Z., ÇOŞUT B., HÖKELEK T., Cerci N. A., AÇIK L.  
NEW JOURNAL OF CHEMISTRY, vol.46, no.33, pp.16096-16113, 2022 (SCI-Expanded)
17. **Phosphorus-nitrogen compounds: part 57-Syntheses of tetrachloro- and tetraaminobenzylspiro(N/N) cyclotriphosphazenes: chemical, structural characterizations, bioactivity and molecular docking studies**

- Berberoglu I, CEMALOĞLU R, ASMAFİLİZ N, Kilic Z, Zeyrek C. T., AÇIK L., Koyunoglu D., TÜRK M., HÖKELEK T. RESEARCH ON CHEMICAL INTERMEDIATES, vol.48, no.7, pp.3189-3219, 2022 (SCI-Expanded)
18. **Phosphorus-nitrogen compounds: part 53-synthesis, characterization, cytotoxic and antimicrobial activity, DNA interaction and molecular docking studies of new mono- and dispirocyclotriphosphazenes with pendant arm(s)**  
Iscan O., Cemaloglu R., Asmafiliz N., Zeyrek C. T., Kilic Z., AÇIK L., AYDIN B., Turk M., HÖKELEK T. MOLECULAR DIVERSITY, vol.26, no.2, pp.1077-1100, 2022 (SCI-Expanded)
19. **Phosphorus-nitrogen compounds part 59. The syntheses of tetrachloro and tetraamino-2-pyridylmethylspiro(N/N)ethylenediaminocyclotriphosphazenes: Structural characterization, bioactivity, and molecular docking studies**  
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20. **Phosphorus-nitrogen compounds. Part 56. Comparative syntheses and spectral properties of multiheterocyclic 2-cis-4-ansa and spiro-ferrocenyl (N/O)cyclotetraphosphazenes: Antituberculosis and antimicrobial activity and DNA interaction studies**  
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- Simetrik olmayan dispirosiklotrifosfazenler: Sentez, spektroskopi, kristallografi ve biyolojik aktivite çalışmaları**  
Cemaloğlu R., Asmafiliz N., Çoşut B., Kılıç Z., Sabah B. N., Açık L., Hökelek T.  
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- İMİDAZOL TÜREVİ TAŞIYICI LİGANDA SAHİP PLATİN KOMPLEKSLERİ ÜZERİNDE ÇALIŞMALAR**  
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- PLATİN(II) KOMPLEKSLERİNİN SENTEZİ VE BİYOLOJİK AKTİVİTELERİ ÜZERİNDE ÇALIŞMALAR**  
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12. **The synthesis, spectroscopic, crystallographic and biological properties of dispirocyclotriphosphazene derivatives containing benzylamino side groups**  
Cemaloğlu R., İşcan Ö., Asmafiliz N., Kılıç Z., Açıık L., Aydın B., Hökelek T.  
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13. **Investigation of gene expression profiles as biomarkers in human cumulus cells for evaluation of oocyte growth capacity**  
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20. **Synthesis, spectroscopic and crystallographic properties, and biological activities of partly- and fully-substituted monospiro-4-chlorobenzylaminophosphazenes**  
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21. **2-SÜBSTİTÜE BENZİMİDAZOL TÜREVİ LİGANDLARI TAŞIYAN PLATİN(II) KOMPLEKSLERİNİN SENTEZ VE SİTOTOKSİK ETKİLERİ ÜZERİNDE ÇALIŞMALAR**  
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24. **Syntheses, Spectral Properties and Antituberculosis, Antifungal and Cytotoxic Activities of Monoferrocenyl-spirocyclotetraphosphazenes**  
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32. **Coumarin-indole conjugate donor-acceptor system: Synthesis and biological activity studies of two coumarin-indole based push-pull dyes**  
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33. **Syntheses, antimicrobial activities and DNA interactions of NN and NO spirocyclotriphosphazenes with monoferrocenyl pendant arm**  
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34. **Investigations of antimicrobial activities and DNA interactions of bisferrocenyl-2-trans-6-dispirocyclotetra phosphazenes**  
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38. **DNA-Binding Activity of Turmeric'xxs Methanolic Extract**  
Sayık A., Soylu S., Açık L., Aydın B., Yusufoglu A. S.  
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39. **SYNTHESES STRUCTURAL CHARACTERIZATIONS ANTIMICROBIAL ACTIVITIES AND DNA INTERACTIONS OF cisANDtrans DISPIROCYCLIC FERROCENYLPHOSPHAZENES**  
TÜMER Y., ASMAFİLİZ N., KILIÇ Z., HÖKELEK T., AÇIK L.  
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43. **Silene aegyptiaca subsp aegyptiaca nın Antimikrobiyal ve Antioksidan Aktivitesi**  
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45. **Amin Sübstitüe Mono(4-Nitrobenzil)Siklotrifosfazenlerin Sentezi, Karakterizasyonları, In Vitro Sitotoksik ve Antimikrobiyal Aktiviteleri ve DNA ile Etkileşimleri**  
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46. **spiro-ansa-spiro-Fosfazenlerin Sentezi, Karakterizasyonu veBiyolojik Aktivitesi**  
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V. ULUSAL ANORGANİK KİMYA KONGRESİ, Mersin, Turkey, 22 - 25 April 2015
47. **Sideritis trojana ve Sideritis athoa Lamiaceae nın Biyolojik Aktivitelerinin Karşılaştırılması**  
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48. **Phlomis kurdica Lamiaceae nın Biyolojik Aktivitesi**  
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49. **Suillus luteus Yenilebilen Mantarın Antimikrobiyal Antioksidan ve Antikanser Etkilerinin Belirlenmesi**

Aytar E. C., Aydın B., Açık L.

ULUSAL BOTANİK KONGRESİ, İstanbul, Turkey, 25 - 28 October 2014

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51. **Achillea teretifolia Willd. extracts trigger the apoptosis by suppressing bcl-2 expression and activating caspase-3 and bax genes in prostate cancer cell lines**  
Bali E. B., Acik L., Elci P., Sarper M., Avcu F., Vural M.  
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52. **DNA Interaction and Antimicrobial Activities of Ferrocenyl Cyclotetraphosphazenes**  
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3rd International Molecular Biology and Biotechnology Congress, Sarajevo, Bosnia And Herzegovina, 2 - 06 June 2014
53. **Investigation of Antimicrobial Antioxidant and Cytotoxic Effects of Achillea teretifolia Willd Extracts**  
Bali E. B., Açık L., Avcu F.  
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57. **Cytotoxicity and DNA Interactions of Some Platinum II Complexes with Benzimidazole Ligands**  
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58. **Screening of Three Exons of the RET Proto-oncogene in Turkish Patients with Papillary Thyroid Carcinoma**  
Bayramci N. S., Acik L., Koc L. Y., Vural G., Kilic M., Tez M., Koc M., Ercakmak N.  
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59. **Taxonomic relations among some Turkish serpentine endemic Alyssum Brassicaceae**  
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" IV. Balkan Botanical Congress, Sofija, Bulgaria, 20 - 26 June 2006, pp.196-199
60. **Centaurea tchihatcheffu Fisch Mey Ve C depressa Bieb populasyonlarının protein elektroforez ve RAPD PCR ile analizleri**  
BABAÖĞLU ., AÇIK L., VURAL M.  
19. Ulusal Biyoloji Kongresi, Trabzon, Turkey, 23 - 27 June 2008
61. **Quantitative analysis of nickel and a group of metals using X ray fluorescence spectrometer and molecular analysis in the Ni hyperaccumulator Alyssum corsicum**  
BABAÖĞLU S., AÇIK L., ADIGÜZEL N., KADIOĞLU Y. K.  
102° Meeting of the Italian Botanical Society (SBI) Joint Meeting SBI-BGCI Botanical gardens and Society: Investigation, Education and Popularization, Palermo, Italy, 26 - 29 September 2007

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BABAĞLU AYDAŞ S., SULUDERE Z., AÇIK L., ADIGÜZEL N.  
18. Ulusal Elektron Mikroskopi Kongresi, Eskişehir, Turkey, 26 - 29 August 2007
63. **RAPD PCR analyse of hyperaccumulator plants *A corsicum* and *A murale* induced by Ni treatment**  
BABAĞLU S., AÇIK L., ADIGÜZEL N., ELLİALTIOĞLU Ş. Ş.  
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BABAĞLU AYDAŞ S. S., AÇIK L., ADIGÜZEL N., ELLİALTIOĞLU Ş. Ş.  
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65. **Taxonomical relations among species of *Althaea* Malvaceae growing in Turkey as revealed by RAPD PCR and SDS PAGE**  
ÖZTÜRK F., UZUNHİSARCIKLİ M. E., BABAĞLU S., MECİT V., AÇIK L.  
IV. Balkan Botanical Congress, Sofija, Bulgaria, 20 - 26 June 2006
66. ***Astragalus* Fabaceae cinsine ait *Onobrychioidei* DC Seksiyonundaki Taksonomik İlişkilerin Tohum Protein Profilleri ile Belirlenmesi**  
BABAĞLU S., AÇIK L., EKİCİ M., AKAN H.  
XIV. Ulusal Biyoteknoloji Kongresi, Eskişehir, Turkey, 31 August - 02 September 2005
67. **Türkiye *Sideritis* L. Türlerinin SDS-PAGE Analizleri**  
Öke F., Duman H., AÇIK L.  
XIX. Ulusal Biyokimya Kongresi, Antalya, Turkey, 22 - 25 April 2005, pp.133-134
68. **Antioxidative enzyme response of heavy metal hyperaccumulator *Alyssum murale* to Ni 2 stress**  
BABAĞLU S., KUŞVURAN Ş., ELLİALTIOĞLU Ş. Ş., AÇIK L.  
3 rd Ecological Protection of The Planet Earth With An International Exhibition of Innovations, Inventions and New Technologies, İstanbul, Turkey, 10 - 11 June 2004
69. **Bakteriler aracılığı ile ham petrol ve türevlerinin biyodegradasyonu**  
ÖZTÜRK F., BABAĞLU S., AÇIK L.  
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70. **Türkiye de yetişen bazı *Alyssum* L Brassicaceae türlerinin SDS PAGE analizleri**  
AÇIK L., BABAĞLU S., ADIGÜZEL N.  
XIII. Biyoteknoloji Kongresi, Çanakkale, Turkey, 25 - 29 August 2003
71. **Türkiye de yetişen bazı *Alyssum* L Brassicaceae türlerinin moleküler analizleri**  
AÇIK L., ADIGÜZEL N., BABAĞLU S.  
XII. Biyoteknoloji Kongresi, Balıkesir, Turkey, 17 - 21 September 2001

## Visual Activities

Açık L., TURKISH JOURNAL OF BIOLOGY, Journal Publishing, 2007 - 2012

## Academic and Administrative Experience

2012 - 2015	<b>Doçentlik komite üyesi</b>	Gazi University, Fen Fakültesi, Biyoloji
2009 - 2009	<b>Head of Department</b>	Gazi University, Fen Fakültesi, Biyoloji Bölümü
2006 - 2008	<b>Research Institute Director</b>	Gazi University
1997 - 1999	<b>Head of Department</b>	Gazi University, Fen Fakültesi, Biyoloji Bölümü

## Courses

RESEARCH PROJECT II, Undergraduate, 2021 - 2022  
GENETIC ENGINEERING, Undergraduate, 2021 - 2022  
POLYMERASE CHAIN REACTION AND ITS APPLICATIONS, Undergraduate, 2021 - 2022  
YETERLİK SINAVI, Doctorate, 2021 - 2022  
SEMİNER, Postgraduate, 2021 - 2022  
REAL TIME PCR AND ITS APPLICATIONS, Postgraduate, 2021 - 2022  
DOKTORA SEMİNER, Doctorate, 2021 - 2022  
MOLECULAR GENETIC, Undergraduate, 2021 - 2022  
GENOM, Undergraduate, 2021 - 2022  
TECHNIQUES USED IN MOLECULAR BIOLOGY I, Postgraduate, 2021 - 2022  
TECHNIQUES USED IN MOLECULAR BIOLOGY II, Postgraduate, 2021 - 2022  
PREPARATION FOR MASTER'S THESIS, Postgraduate, 2021 - 2022  
GENE CLONING, Postgraduate, 2021 - 2022  
RESEARCH PROJECT I, Undergraduate, 2021 - 2022  
GENS, Postgraduate, 2021 - 2022  
MOLECULAR BIOLOGY LABORATORY, Undergraduate, 2021 - 2022  
MOLECULAR BIOLOGY, Undergraduate, 2021 - 2022  
DOKTORA TEZ ÇALIŞMASI, Doctorate, 2021 - 2022  
DOKTORA TEZİNE HAZIRLIK, Doctorate, 2021 - 2022  
MASTER'S THESIS, Postgraduate, 2021 - 2022

## Advising Theses

Açık L., Investigations of antimicrobial activities and DNA interactions of phosphazenes, Postgraduate, D.NURJANAH(Student), 2024  
Açık L., Papiller tiroid kansinomlarında braf V600E mutasyonunun realtime PZR analizi, Postgraduate, S.ÇAKIR(Student), 2024  
Açık L., Antimicrobial, antioxidant activity and DNA interactions of some phosphazenes, Postgraduate, B.TÖRE(Student), 2023  
Açık L., Investigation of s gene mutations of SARS-CoV-2 virus in Turkey and phylogenetic analyses, Postgraduate, A.AĞAR(Student), 2023  
Açık L., Gültekin S. E., Diagnostic use of liquid biopsies in oral premalign and malign lesions, Doctorate, L.BOZDAĞ(Student), 2022  
Açık L., The Gene Polymorphisms Of Nicotinamide Phosphoribosyltransferase (Nampt), Interleukin-6 (Il-6) And Vaspın In Type 2 Diabetes Patients , Postgraduate, D.NUR(Student), 2022  
Açık L., The Effect Of The Biological Activity Of Rosa Canina L. Plant Root Extract And The Effect Of Interleukin-1 Beta And Tumor Necrosis Factor Alpha (Tnf-A) Gene Expression In Experimental Diabetesconditioned Rats., Postgraduate, İ.SEZİN(Student), 2022  
Açık L., Türk M., INVESTIGATION OF THE EFFECT OF LOADED NANOPARTICLES ON SOME MICROORGANISMS AND CELL TYPES, Doctorate, N.AYTUNA(Student), 2021  
Açık L., Investigation of gene expression profiles of human cumulus cells to evaluation of oocyte development capacity as a biomarker, Doctorate, D.DENİZ(Student), 2021  
AÇIK L., Biological Activities Of Cyclotetraphosphazene With N/O Donor-Type, Doctorate, N.RAMAZANOĞLU(Student), 2020  
AÇIK L., Biological Activity Of Verbascum Armenum Boiss. Et Kotschy Var. Armenum Boiss. Et Kotschy, Postgraduate, Ö.KILIÇ(Student), 2019  
AÇIK L., Mono ve di sübtitüe trimerik fosfazenlerin biyolojik aktivitesi, Postgraduate, H.KAYALAK(Student), 2019  
AÇIK L., Biological Activity Of Coumarin Compounds, Postgraduate, F.ERVANUR(Student), 2019



AÇIK L., Antimicrobial, Antituberculosis, Antioxidant, Cytotoxic Activities And Dna Interactions With Ferrocenyl Cyclotetraphosphazene Compounds, Doctorate, B.AYDIN(Student), 2018

AÇIK L., 2-piridil-siklotrifosfazenlerin ve tuzlarının antimikrobiyal ve sitotoksik aktiviteleri ve dna etkileşimleri, Postgraduate, P.ÖZBEDEN(Student), 2018

AÇIK L., Antimicrobial And Cytotoxic Activities And Dna Interactions Of 2- Pyridiyl-Cyclotriphosphazenes Antimicrobial And Cytotoxic Activities And Dna Interactions Of 2-Pyridiylcyclotriphosphazenes And Salts, Postgraduate, P.Özbeden(Student), 2018

AÇIK L., The Antimicrobial Activities And Dna Interactions Of (4-Fluorobenzyl) Pendant Armed Octachlorocyclotetraphosphazenes, Postgraduate, M.ÇAM(Student), 2018

AÇIK L., Antimicrobial And Cytotoxic Activities And Dna Interactions Of Bis-Ferrosenyl-Substitute Cyclotetraphosphazene Derivatives, Postgraduate, S.PINAR(Student), 2018

AÇIK L., Investigation Of Biological Activity Arylstyrylimidazo[1,2-A] Pyridin Components, Postgraduate, L.ARSLAN(Student), 2017

AÇIK L., Biological Activity Of Bupleurum Lycaonicum Snogerup Plant Species, Postgraduate, S.Ertan(Student), 2017

AÇIK L., Determination Of Antioxidant Activity And Cytotoxic Activity Macrofungi Suillus Luteus (L.) Roussel, Postgraduate, E.Can(Student), 2016

AÇIK L., Suillus luteus (L.) Roussel makromantarının antioksidan aktivitesi ve sitotoksik etkisinin belirlenmesi, Postgraduate, E.CAN(Student), 2016

AÇIK L., The Screening Of Some Polymorphisms In Diabetes Patients, Postgraduate, B.GÖRGÜN(Student), 2016

AÇIK L., Antimicrobial, Antioxidant Activities Of Satureja Khuzestanica Extract (Methanol, Ethanol, Water) And Their Cytotoxic And Apoptotic Activities On Some Cancer Cell Lines, Doctorate, H.SOLTANZADEH(Student), 2015

AÇIK L., Investigation Of Biological Activity Of Scandix Australis L., Postgraduate, M.ÜSTÜNDAĞ(Student), 2015

AÇIK L., Determination of biological activity of Phlomis Nissolii L., Postgraduate, N.Bayın(Student), 2014

AÇIK L., Phlomis nissolii L.'nin biyolojik aktivitesinin belirlenmesi, Postgraduate, N.BAYIN(Student), 2014

AÇIK L., Tip 2 diabetli Türk hastalarda bazı gen polimorfizmlerinin belirlenmesi, Doctorate, N.SELCEN(Student), 2013

AÇIK L., Identification and quantification of anaerobic bacterial species taken from acute apical abscesses, Postgraduate, N.TAŞDEMİROĞLU(Student), 2013

AÇIK L., Screening of some gene polymorphisms in Turkish type 2 diabetes patients, Doctorate, N.Selcen(Student), 2013

AÇIK L., Biological activities of phosphazene compounds which are tetradentate ligand with trimer, Postgraduate, O.AVCI(Student), 2013

AÇIK L., Investigation of biological activity of klasea bornmuelleri (Azn.), Postgraduate, Z.BETÜL(Student), 2013

AÇIK L., Determination of CYP 17 gene polymorphism in polycystic ovary syndrome, Postgraduate, Y.ÖNER(Student), 2013

AÇIK L., IL-4 and IL-6 gene polymorphisms in chronic renal failure patients, Postgraduate, N.RAMAZANOĞLU(Student), 2012

AÇIK L., Detection of some pathogen bacteria which causes periapical diseases at human teeth by polymerase chain reaction and quantitative detection of porphyromonas gingivalis by real time polymerase chain reaction, Postgraduate, İ.Araz(Student), 2012

AÇIK L., Investigation of antimicrobial, antioxidant and cytotoxic effects of achillea teretifolia willd, Doctorate, E.BURCU(Student), 2012

AÇIK L., İnsan dişlerinde periapikal hastalıklara sebep olan bazı patojen bakterilerin polimeraz zincir reaksiyonu ve Porphyromonas gingivalisin eş zamanlı polimeraz zincir reaksiyonu ile nicel olarak tespiti, Postgraduate, İ.ARAZ(Student), 2012

AÇIK L., Molecular analysis and accumulations of nickel and cadmium at alyssum corsicum (brassicaceae), Postgraduate, F.AYDIN(Student), 2011

AÇIK L., Polikistik over sendromunda CAPN 10-19 (kalsiyum ile aktive edilmiş nötral proteinaz 10 SNP 19) ve CAPN 10-43 (SNP 43) geni polimorfizmi sıklığı, bunların insülin direnci ve klinik parametreler ile ilişkisi, Postgraduate, G.GÜNALTILI(Student), 2010

AÇIK L., Rahim ağzı, yumurtalık ve rahim kanserli olgularda p53 72. kodon ve MTHFR C677T polimorfizminin polimeraz zincir reaksiyonu (PZR) ve restriksiyon parça uzunluk polimorfizmi (RFLP) analizi ile araştırılması, Postgraduate, Y.CEREN(Student), 2010

AÇIK L., POLİKİSTİK OVER SENDROMUNDA CAPN 10-19 (KALSİYUM İLE AKTİVE EDİLMİŞ NÖTRAL PROTEİNAZ 10 SNP 19) VE CAPN 10-43 (SNP 43) GENİ POLİMORFİZMİ SIKLIĞI, BUNLARIN İNSÜLİN DİRENCİ VE KLİNİK PARAMETRELER İLE İLİŞKİSİ, Postgraduate, G.GÜNALTILI(Student), 2010

AÇIK L., DETERMINATION OF ANTIMICROBIAL ACTIVITIES OF PHOSPHAZENE DERİVATİVES AND THEIR INTERACTION WITH DNA, Postgraduate, M.YAVUZ(Student), 2010

AÇIK L., Bazı fosfazen bileşiklerinin antimikrobiyal aktivitelerinin belirlenmesi ve bu bileşiklerin DNA ile etkileşimi, Postgraduate, M.YAVUZ(Student), 2010

AÇIK L., AN INVESTIGATION WITH POLYMERASE CHAIN REACTION (PCR) AND RESTRICTION FRAGMENT LENGTH POLYMORPHISM (RFLP) ANALYSIS p53 CODON 72 AND MTHFR C677T POLYMORPHISMS IN CERVIX, OVER AND ENDOMETRIUM CARCİNOMAS, Postgraduate, Y.Ceren(Student), 2010

AÇIK L., Türk populasyonunda gastrointestinal sistem kanser olgularında fosfatidilinositol-3-kinaz katalitik alfa (PIK3CA) gen mutasyonları ve metilentetrahidrofolat redüktaz (MTHFR) C677T polimorfizminin incelenmesi, Postgraduate, Ö.ÖZCAN(Student), 2009

AÇIK L., MORPHOLOGIC AND MOLECULAR ANALYSES OF VARIOUS BELLIS PERENNIS POPULATIONS AND DETECTION OF ANTIMICROBIAL, ANTIOXIDANT ACTIVITIES OF THIS POPULATIONS, Postgraduate, N.KAVALCIOĞLU(Student), 2008

AÇIK L., RAS ONCOGENE MUTATION DETECTION IN THYROID TUMORS AND THYROID DEFECTIONS PATIENTS WITH NESTED PCR AND RFLP, Postgraduate, B.Cihan(Student), 2008

AÇIK L., Tiroit kanserli ve tiroit bozukluğu olan hastalarda ras onkogen mutasyonlarının yuvalanmış polimeraz zincir reaksiyonu ve restriksiyon enzim kesimi ile araştırılması, Postgraduate, B.CİHAN(Student), 2008

AÇIK L., MOLECULAR INVESTIGATION OF PLASMID OR CHROMOSOMAL MEDIATED EXTENDED SPECTRUM BETA-LACTAMASES EXISTANCE IN ESCHERICHIA COLI, KLEBSIELLA AND ACINETOBACTER STRAINS, Postgraduate, E.BURCU(Student), 2008

AÇIK L., AN INVESTIGATION OF RET (REarranged during Transfection) PROTOONCOGENE MUTATIONS IN THYROID CARCINOMA, Postgraduate, N.SELCEN(Student), 2008

AÇIK L., DETERMINATION AND MOLECULAR ANALYSIS OF NICKEL ACCUMULATION AT ALYSSUM CORSICUM (BRASSICACEAE) GROWN IN TISSUE CULTURE CONDITIONS, Doctorate, S.SELCEN(Student), 2008

AÇIK L., Escherichia coli, Klebsiella ve Acinetobacter suşlarında plazmit veya kromozomal kaynaklı genişlemiş spektrumlu beta-laktamaz varlığının araştırılması ve moleküler yönden incelenmesi, Postgraduate, E.BURCU(Student), 2007

AÇIK L., IDENTIFICATION, MOLECULAR TYPING AND DETERMINATION OF BIOLOGICAL ACTIVITIES OF BACILLUS SPECIES ISOLATED FROM SOILS IN ANKARA, Doctorate, F.ÖZTÜRK(Student), 2007

AÇIK L., NAD(p)h: Kinon oksidoredüktaz 1 gen polimorfizmi ile akut lösemi arasındaki ilişkinin incelenmesi, Postgraduate, D.DENİZ(Student), 2006

AÇIK L., Üriner sistem enfeksiyonlarından izole edilen Klebsiella pneumoniae'ların bazı antibiyotik duyarlılıkları, plazmid profilleri ve ESBL özelliğinin araştırılması, Doctorate, M.ONUR(Student), 2006

DUMAN H., AÇIK L., Türkiye Sideritis L. (Labiatae) türlerinin tohum protein analizleri, Postgraduate, F.ÖKE(Student), 2006

AÇIK L., Mercimek hat ve çeşitlerinde genetik varyasyonun tespiti, Doctorate, E.YÜZBAŞIOĞLU(Student), 2005

Açık L., III EFFECT OF GENE ALTERATIONS (FACTOR V 1691 G<sup>A</sup>; 4070 G<sup>A</sup>; PROTHROMBIN 20210 G<sup>A</sup>; ENDOTHELIAL NITRIC OXIDE SYNTHASE 894 G<sup>-></sup>T; PLASMINOGEN ACTIVATOR INHIBITOR-1 -675 4G/5G; TISSUE PLASMINOGEN ACTIVATOR ALU I/D) TO PULMONARY EMBOLISM IN TURKISH PATIENTS, Doctorate, E.YILMAZ(Student), 2004

AÇIK L., Bütün türleri Türkiye için endemik olan Ebenus L. cinsinin DNA ve protein profilleri kullanılarak moleküler yönden karşılaştırılması, Doctorate, A.ÇELEBİ(Student), 2004

AÇIK L., Mastitisli ineklerden izole edilen Staphylococcus aureus suşlarının plazmit DNA ve protein profili analizleri, Doctorate, E.ARSLAN(Student), 2003

AÇIK L., Türkiye'de yetişen bazı Alyssum L. (Brassicaceae) türlerinin moleküler analizleri, Postgraduate, S.SELCEN(Student), 2002

AÇIK L., Tavuk kesimhanesinden ve tavuklardan izole edilen patojen ve indikatör bakterilerin tanımlanması ve karakterizasyonu, Postgraduate, S.ARSLAN(Student), 2002

AÇIK L., Kalıtsal sferositos ve B-talasemi taşıyıcısı + HS birlikteliği olan olgular ile splenektomi yapılmış olguların ayırıcı tanısında kan parametrelerinin yeri, Postgraduate, H.GÖKÇE(Student), 2000

AÇIK L., Serviks karserli Türk hastalarda HPV DNA'nın PCR metodu ile tiplendirilmesi, Postgraduate, D.ÇALIŞ(Student),

2000

AÇIK L., Rastgele çoğaltılmış polimorfik dna polimeraz zincir reaksiyonu (RAPD-PCR) aracılığı ile Konya çevresindeki Hyacinthella schur (LILIACEAE) türleri arasındaki genetik uzaklıkların belirlenmesi, Postgraduate, E.ARSLAN(Student), 1999

AÇIK L., RAPD-PCR aracılığı bazı allium türleri arasındaki genetik uzaklıklar, Postgraduate, E.DEMİRÖRS(Student), 1997

AÇIK L., Saccharomyces cerevisiae kullanarak melastan etil alkol elde edilmesi, Postgraduate, E.AKDAĞ(Student), 1997

## Student Project

Other, Salix babylonica'nın kabuk özütü kullanılarak gümüş nanopartiküllerin sentezlenmesi ve biyolojik aktivitelerinin araştırılması , Gazi University, Fen Fakültesi, Biyoloji, Turkey, 2023 - 2024

## Activities in Scientific Journals

TURKISH JOURNAL OF BIOLOGY, Committee Member, 2022 - Continues

Microbial Bioactives, Committee Member, 2021 - Continues

Advances in Molecular Biology, Committee Member, 2021 - Continues

Universal Journal of Pharmaceutical Research, Committee Member, 2021 - Continues

Journal of Plant Biology Research, Assistant Editor/Section Editor, 2021 - Continues

Turkish Journal Of Biology, Committee Member, 2019 - Continues

TURKISH JOURNAL OF BIOLOGY, First Editor, 2008 - 2011

## Scientific Refereeing

TUBITAK Project, My support program is not listed (Old), TÜBİTAK, Turkey, November 2023

TUBITAK Project, 2237 - Program for Supporting Project Training Activities, TÜBİTAK, Turkey, August 2023

TUBITAK Project, 2237 - Program for Supporting Project Training Activities, TÜBİTAK, Turkey, July 2023

TUBITAK Project, 2204-A High School Students Research Projects Competition , TÜBİTAK, Turkey, March 2023

COMPUTATIONAL BIOLOGY AND CHEMISTRY, Journal Indexed in SCI-E, December 2022

Project Supported by Higher Education Institutions, BAP Research Project, Selcuk University, Turkey, November 2022

ARABIAN JOURNAL OF CHEMISTRY, Journal Indexed in SCI-E, September 2022

SOUTH AFRICAN JOURNAL OF BOTANY, SCI Journal, August 2022

SOUTH AFRICAN JOURNAL OF BOTANY, SCI Journal, June 2022

Project Supported by Other Official Institutions, Turkey, April 2022

JOURNAL OF FOOD BIOCHEMISTRY, SCI Journal, March 2022

TURKISH JOURNAL OF BIOLOGY, SCI Journal, March 2022

Project Supported by Higher Education Institutions, BAP Research Project, Akdeniz University, Turkey, February 2022

Journal of Advances in Medicine and Medical Research, Other Indexed Journal, January 2022

Project Supported by Other Official Institutions, Gazi University, Turkey, February 2021

Project Supported by Higher Education Institutions, BAP Research Project, Bolu Abant İzzet Baysal University, Turkey, February 2020

## Scientific Consultations

TÜBİTAK, Project Consultancy, Gazi University, Fen Fakültesi, Biyoloji, Turkey, 2020 - Continues

TÜBİTAK, Scientific Consultancy, Gazi University, Fen Fakültesi, Biyoloji, Turkey, 2023 - 2023

## Scientific Research / Working Group Memberships

Bilim Ve Teknoloji Stratejileri Arařtırma Ve Geliřtirme Merkezi, Gazi University, Turkey, gazi.edu.tr, 2005 - 2009

### Metrics

Publication: 239

Citation (WoS): 2081

Citation (Scopus): 2150

H-Index (WoS): 28

H-Index (Scopus): 27

### Invited Talks

1ST INTERNATIONAL CONGRESS OF SELÇUK HEALTH SCIENCES DECEMBER OF 01-02 2022, KONYA, Conference, Selçuk Üniversitesi, Turkey, December 2022

New Frontiers of Natural Sciences: 1st International Selçuk Meeting 17 - 19 Oct 2022 Selçuk University, Konya, Türkiye, Conference, Selçuk Üniversitesi, Turkey, October 2022

Kazakhstan-Pakistan- Türkiye; Youth Forum on Biotechnology, Conference, OIC Ministerial Standing Committee on Scientific and Technological Cooperation (COMSTECH) , Pakistan, September 2022

Bilim Olimpiyatları, Conference, Kabataş Erkek Lisesi, Turkey, December 2020

Bilim ve Bilim Olimpiyatları, Conference, Enka Okulları-Kocaeli, Turkey, December 2020

### Research Areas

Natural Sciences

### Non Academic Experience

TUBİTAK, TÜBİTAK, BİDEB

TÜBİTAK

TÜBİTAK

TUBİTAK, TÜBİTAK Bilim İnsanı Destek Programları Başkanlığı, Bilim Olimpiyatları Programı

TUBİTAK, BİTO, Turkish Journal of Biology

UMİST