

# LEYLA AÇIK

## PROF.

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ScopusID: 6602797665

Yoksis Researcher ID: 1781

### Learning Knowledge

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

### 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

|                               |                                          |
|-------------------------------|------------------------------------------|
| Professor<br>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 Kansere Hücrelerinde Apoptoz Üzerine Etkilerinin Araştırılması, 2020 - 2023
7. AÇIK L., Project Supported by Higher Education Institutions, Nikotinamid fosforibozil transferaz (NAMPT), İnterlök-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., Ercan D. D., Aydın B., Bozkurt N., Project Supported by Higher Education Institutions, Oosit Gelişim

Kapasitesinin Değerlendirilmesinde İnsan Kümülüs Hücrelerinin Gen İfade Profillerinin Biyobelirteç Olarak İncelenmesi, 2016 - 2019

16. AÇIK L., Project Supported by Higher Education Institutions, Oosit Gelişim Kapasitesinin Değerlendirilmesinde İnsan Kümülüs Hücrelerinin Gen İfade Profillerinin Biyobelirteç Olarak İncelenmesi, 2016 - 2019
17. 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
18. 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
19. 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
20. 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
21. AÇIK L., Project Supported by Higher Education Institutions, TİP 2 DİABETLİ TÜRK HASTALARDA BAZI GEN POLİMORFİZMLERİNİN BELİRLENMESİ, 2013 - 2016
22. 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
23. 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
24. 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
25. 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
26. 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
27. 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
28. AÇIK L., Project Supported by Higher Education Institutions, Escherichia Coli, Klebsiella ve Acinetobacter Suşlarında Genişlemiş Spektrumlu Beta-Laktamaz (GSBL) Varlığının Araştırılması ve Moleküler Yönden İncelenmesi, 2007 - 2009
29. AÇIK L., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, İLERİ ARAŞTIRMA AR-GE MERKEZİ (1), 2000 - 2008
30. 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
31. AÇIK L., Project Supported by Higher Education Institutions, NAT(P)H:Kinon Oksidoredüktas1 (NQO1) Gen Polimorfizminin Kronik Miyelosital Lösemi Olgularında Taranması, 2005 - 2007
32. AÇIK L., Project Supported by Higher Education Institutions, SDS-PAGE ve RAPD-PCR gibi Moleküler Yöntemler kullanılarak Türkiyede Yetişen Nepeta L. Türleri Arasında Akrabalık İlişkilerinin Araştırılması, 2005 - 2007
33. AÇIK L., Project Supported by Higher Education Institutions, Bacillus Thuringiensis Toksinlerinin Bazı Lepidopter Lavralarının Orta Bağırsak hücreleri Üzerine Etkisi, 2003 - 2006
34. AÇIK L., Project Supported by Higher Education Institutions, Kirlilik İndikatörü Olan Gammarus Türlerinin Polimeraz Zincir Reaksiyonu (PCR) İle Filogenetik Analizleri, 2003 - 2005
35. AÇIK L., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, TÜRKİYEDE YETİŞEN BAZI ALYSSUM

TÜR.NİKEL AKÜM.TAY.VE MOL.YÖN.KARAKTERİZASYONU, 2003 - 2004

36. AÇIK L., Project Supported by Higher Education Institutions, Broilerden izole edilen Escherichia coli, Staphylococcus aureus, Salmonella ve Campylobacter jejuni suşlarının plasmid, Protein profilleri ve PCR analizleri., 2002 - 2004
37. AÇIK L., Project Supported by Higher Education Institutions, Mastitisli ineklerden izole edilen Staphylococcus suşlarının tanımlanması Plasmid DNA izolasyonu ve protein Profillerinin belirlenmesi., 2002 - 2004
38. AÇIK L., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, ÇEVRE KİRLİLİĞİNE NEDEN OLAN HAM PETROL BİÖ, 2001 - 2004
39. AÇIK L., Project Supported by Higher Education Institutions, Endemik EBENUSL. Cinsinin 15 taksonunun DNA ve protein profilleri kullanılarak moleküler yönden karşılaştırılması, 2001 - 2003
40. 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
41. 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
42. AÇIK L., Project Supported by Higher Education Institutions, Srvix kanserlerinin HPV16-18'in belirlenmesi ve klinikopatoloji özelliklerle karşılaştırılması, 1998 - 1998
43. AÇIK L., Project Supported by Higher Education Institutions, Mısır FFF hatlarında homozigotluğun PCR yöntemi ile belirlenerek GAP bölgesinde uygun mısır tohumlarının eldesi, 1997 - 1997
44. AÇIK L., Project Supported by Higher Education Institutions, Çeşitli maya suşları kullanılarak Melasdan Etanol üretimi, 1996 - 1996
45. AÇIK L., Project Supported by Higher Education Institutions, Restriction fragment Length polymorphisms kullanılarak allium türlerinin analizi., 1995 - 1995

## Awards

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

## Scholarships

YÖK Doktora bursu, YOK, 1987 - 1992

## Jury Memberships

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

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

- 1. 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)
- 2. 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., AÇIK L.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.198, no.3, pp.272-282, 2023 (SCI-Expanded)
- 3. PD4 and MIR-21 are promising biomarkers in the follow-up of OED in liquid biopsies**  
Arslan Bozdag L., AÇIK L., ERSOY D. E., Bayir Ö., Korkmaz M. H., MOLLAOĞLU N., GÜLTEKİN S. E.  
Oral Diseases, 2023 (SCI-Expanded)
- 4. Phosphorus-nitrogen compounds: Part 69—Unsymmetrical dispiro(N/N)cyclotriphosphazenes containing different pendant arms: syntheses, characterization, stereogenicity, 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)
- 5. Phosphorus-nitrogen compounds: part 68. Synthesis, characterization, stereogenicity, 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)
- 6. 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)
- 7. 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)
- 8. 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)
- 9. 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)
- 10. 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)

11. **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)
12. **Phosphorus-nitrogen compounds part 59. The syntheses of tetrachloro and tetraamino-2-pyridylmethylspiro(N/N)ethylenediaminocyclotriphosphazenes: Structural characterization, bioactivity, and molecular docking studies**  
Bozkurt B., ELMAS G., YAKUT M., OKUMUŞ A., Cerci N. A., Zeyrek C. T., Kilic Z., AÇIK L., HÖKELEK T.  
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.69, no.2, pp.310-331, 2022 (SCI-Expanded)
13. **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**  
Binici A., OKUMUŞ A., Yakut M., ELMAS G., KILIÇ Z., Koyunoglu D., AÇIK L., ŞİMŞEK H.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.197, no.1, pp.18-29, 2022 (SCI-Expanded)
14. **New Heterobimetallic Ferrocenyl Dithiophosphonato Cd(II) and Hg(II) Complexes: DNA Interactions, Antimicrobial and Anticancer Activity Studies of the Cd(II) Complexes**  
SAĞLAM E. G., AKKOÇ S., ACAR N., Dal H., Tutsak O., AÇIK L., Celik S. P.  
CHEMISTRYSELECT, vol.6, no.44, pp.12496-12505, 2021 (SCI-Expanded)
15. **Phosphorus-nitrogen compounds Part 55. Syntheses of 4-methoxybenzylspiro(N/N)cyclotriphosphazenes: chemical, structural and biological properties**  
Güven Kuzey N., Cemaloğlu R., Yakut M., Asmafiliz N., Kiliç Z., Aydın B., AçıK L., Hökelek T.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.47, no.10, pp.3933-3962, 2021 (SCI-Expanded)
16. **Antibacterial Efficiencies of CVD-PECVD Graphene Nanostructures Synthesized onto Glass and Nickel Substrates against Escherichia coli and Staphylococcus aureus Bacteria**  
ORHAN E., AYDIN B., AÇIK L., ÖZ F., Varzakas T.  
APPLIED SCIENCES-BASEL, vol.11, no.17, 2021 (SCI-Expanded)
17. **Synthesis of Bis(2,2,3,3-tetrafluoro-1,4-butanedialkoxy)-2-trans-6-bis(4-fluorobenzyl)spirocyclotetraphosphazene: Structural Characterization, Biological Activity and DFT Studies**  
ELMAS G., KILIÇ Z., ÇOŞUT B., Kesan G., AÇIK L., Cam M., TUNALI B. Ç., TÜRK M., HÖKELEK T.  
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.51, no.2, pp.235-250, 2021 (SCI-Expanded)
18. **The comparative reactions of 2-cis-4-ansa and spiro cyclotetraphosphazenes with difunctional ligands: Structural and stereogenic properties, electrochemical, antimicrobial and cytotoxic activity studies**  
OKUMUŞ A., ELMAS G., KILIÇ Z., Binici A., Ramazanoglu N., AÇIK L., ÇOŞUT B., HÖKELEK T., GÜZEL R., TUNALI B. Ç., et al.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.35, no.4, 2021 (SCI-Expanded)
19. **Mono- and dispirocyclotriphosphazenes containing 4-bromobenzyl pendant arm(s): Synthesis, spectroscopy, crystallography and biological activity studies**  
Kuzey N. G., ÖZGÜR M., Cemaloglu R., ASMAFİLİZ N., KILIÇ Z., AÇIK L., AYDIN B., HÖKELEK T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1220, 2020 (SCI-Expanded)
20. **Phosphorus-nitrogen compounds. Part 48. syntheses of the phosphazanium salts containing 2-pyridyl pendant arm: structural characterizations, thermal analysis, antimicrobial and cytotoxic activity studies**  
ELMAS G., OKUMUŞ A., KILIÇ Z., Ozbeden P., AÇIK L., TUNALI B. Ç., TÜRK M., Cerci N. A., HÖKELEK T.  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.59, no.4, pp.533-550, 2020 (SCI-Expanded)

21. **Synthesis and spectroscopic properties of (N/O) mono- and dispirocyclotriphosphazene derivatives with benzyl pendant arms: study of biological activity**  
 Iscan O., Cemaloglu R., ASMAFİLİZ N., KILIÇ Z., AÇIK L., Ozbeden P., HÖKELEK T.  
 TURKISH JOURNAL OF CHEMISTRY, vol.44, no.1, pp.15-40, 2020 (SCI-Expanded)
22. **Phosphorus-nitrogen compounds: Part 46. The reactions of N3P3Cl6 with bidentate and monodentate ligands: The syntheses, structural characterizations, antimicrobial and cytotoxic activities, and DNA interactions of (N/N)spirocyclotriphosphazenes with 4-chlorobenzyl pendant arm**  
 ASMAFİLİZ N., Berberoglu I., ÖZGÜR M., KILIÇ Z., Kayalak H., AÇIK L., TÜRK M., HÖKELEK T.  
 INORGANICA CHIMICA ACTA, vol.495, 2019 (SCI-Expanded)
23. **Novel benzildihydrazone based Schiff bases: Syntheses, characterization, thermal properties, theoretical DFT calculations and biological activity studies**  
 ELMACI G., Duyar H., AYDINER B., Yahaya I., SEFEROĞLU N., ŞAHİN E., Celik S. P., AÇIK L., SEFEROĞLU Z.  
 JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.271-280, 2019 (SCI-Expanded)
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Kuzey N. G., ÖZGÜR M., ASMAFİLİZ N., AÇIK L., AYDIN B., HÖKELEK T., TÜRK M., Cerci N. A.  
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19. **Antioxidant Activities of *Klasea bornmuelleri* Endemic to Malatya (Turkey)**  
ÇELİK Z. B., AÇIK L.  
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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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V. Ulusal Farmasötik Kimya Kongresi, Turkey, 28 April - 01 May 2018
22. **The Relationships Between Type 2 Diabetic Retinopathy and Calpain-10 SNP-19 Polymorphism**  
BAYRAMCI N. S., AÇIK L., KALKAN Ç., YETKİN İ.  
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23. **The antimicrobial activities and DNA interactions of (4-fluorobenzyl) pendant armed octachlorocyclotetraphosphazenes**  
ELMAS G., OKUMUŞ A., KILIÇ Z., AÇIK L., ÇAM M.  
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24. **Syntheses, Spectral Properties and Antituberculosis, Antifungal and Cytotoxic Activities of Mono-ferrocenyl-spirocyclotetraphosphazenes**  
OKUMUŞ A., ELMAS G., CEMALOĞLU R., AYDIN B., AÇIK L., TÜRK M., KILIÇ Z.  
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26. **Synthesis, spectroscopic properties and biological activities of spiro-4-bromobenzylaminophosphazenes**  
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255th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, Louisiana, United States Of America, 18 - 22 March 2018, vol.255
27. **Synthesis, Spectroscopic Properties and Biological Activities of spiro-4-methoxybenzylaminophosphazenes**  
Güven Kuzey N., ASMAFİLİZ N., AÇIK L., HÖKELEK T.  
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28. **Antimicrobial and Cytotoxic Activities, and DNA Interactions of Vanillinato Substituted NN or NO Spirocyclic Monoferrocenyl Cyclotriphosphazenes**  
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29. **N/O Spirohalkalı Trimerik Fosfazen Türevlerinin Sentezleri, Kristal Yapıları, Spektroskopik Özellikleri ve Biyolojik Aktiviteleri**  
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30. **Synthesis, Cytotoxicity and DNA interactions of Platinum(II) Complexes Having Substituted Benzimidazole Ligands**  
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31. **CYTOTOXIC EFFECTS OF VARIOUS EXTRACTS FROM ENDEMIC KLASEA BORN MUELLERI ON HeLa AND MCF-7 CELL LINES**  
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17. International Nutrition Diagnostics Conference - INDC 2017, PRAG, Czech Republic, 9 - 12 October 2017
32. **Coumarin-indole conjugate donor-acceptor system: Synthesis and biological activity studies of two coumarin-indole based push-pull dyes**  
Seferoğlu Z., Reis Y., Seferoğlu N., Ozkutuka M., Aydiner B., Aksungur T., Arslan L., AÇIK L.  
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33. **Syntheses, antimicrobial activities and DNA interactions of NN and NO spirocyclo-tri-phosphazenes with monoferrocenyl pendant arm**  
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34. **Investigations of antimicrobial activities and DNA interactions of bisferrocenyl-2-trans-6-dispiro-cyclotetra phosphazenes**  
ÇELİK S. P., AÇIK L., ELMAS G., KILIÇ Z.  
VI. International Congress of Molecular Medicine, 22 - 25 May 2017
35. **Investigations of antimicrobial activities and DNA interactions of NN and NO donor typed (2-pyridyl) spiro-cyclotriphosphazenes**  
ÖZBEDEN P., AÇIK L., ELMAS G., HÖKELEK T.  
VI. International Congress of Molecular Medicine, 22 - 25 May 2017
36. **Cytotoxic and Biological Activities of Spiro-Bino-Spiro Trimeric Phosphazenes Consist of Symmetric Tetradentate Ligands**  
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37. **(4-Florobenzil) Spiro(N/O) siklotrifosfazenyum Tuzlarının Spektroskopik ve Termal Özellikleri, Antimikrobiyal Aktiviteleri ve DNA ile Etkileşimleri**

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VI. Ulusal Anorganik Kimya Kongresi (Uluslararası Katılımlı), 18 - 21 May 2017

38. **DNA-Binding Activity of Turmeric's Methanolic Extract**

Sayık A., Soylu S., Açıık L., Aydın B., Yusufoglu A. S.

IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, vol.236

39. **SYNTHESES STRUCTURAL CHARACTERIZATIONS ANTIMICROBIAL ACTIVITIES AND DNA INTERACTIONS OF cisANDtrans DISPIROCYCLIC FERROCENYLPHOSPHAZENES**

TÜMER Y., ASMAFİLİZ N., KILIÇ Z., HÖKELEK T., AÇIK L.

11. Inorganic chemistry Conference, 7 - 08 October 2016

40. **DNA interactions with the extracts of Klasea bornmuelleri (Azn.) endemic to Malatya (Turkey)**

Celik Z. B., Acik L.

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41. **Bupleurum lycaonicum S Türünün Antioksidan ve Antimikrobiyal Aktiviteleri**

Ertan S., Aydın B., Şahin B., Açıık L.

I. YAŞAM BİLİMLERİ SEMPOZYUMU, Kayseri, Turkey, 23 - 24 February 2016

42. **Mono-Ferrosenil-Spiro-Siklotetrafosfazenlerinin Sentezi,Karakterizasyonları, Elektrokimyasal Özellikleri, Antitüberküloz, Antimikrobiyal ve Sitotoksik Aktiviteleri Ve DNA İle Etkileşimleri**

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27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015

43. **Silene aegyptiaca subsp aegyptiaca nın Antimikrobiyal ve Antioksidan Aktivitesi**

Sırcan Ş., Aydın B., Açıık L., Karabacak O.

4. Ulusal MolekülerBiyoloji ve Biyoteknoloji Kongresi, Afyonkarahisar, Turkey, 21 - 24 August 2015

44. **DNA Binding Activity of Some New Oximes as Anticancer and Antimicrobial Agents**

BAŞPINAR KÜÇÜK H., YUSUFOĞLU A. S., AÇIK L., AYDIN B.

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45. **Amin Sübstiüe Mono(4-Nitrobenzil)Siklotrifosfazenlerin Sentezi, Karakterizasyonları, In Vitro Sitotoksik ve Antimikrobiyal Aktiviteleri ve DNA ile Etkileşimleri**

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V. ULUSAL ANORGANİK KİMYA KONGRESİ, Mersin, Turkey, 22 - 25 April 2015

46. **spiro-ansa-spiro-Fosfazenlerin Sentezi, Karakterizasyonu veBiyolojik Aktivitesi**

BİLGE KOÇAK S., BAŞTERZİ N. S., OKUMUŞ A., KILIÇ Z., HÖKELEK T., ÇELİK Ö., TÜRK M., KOÇ L. Y., AÇIK L., AYDIN B.

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47. **Sideritis trojana ve Sideritis athoa Lamiaceae nın Biyolojik Aktivitelerinin Karşılaştırılması**

Aydın B., Yılmaz E., Aytar E. C., Dirmenci T., Açıık L.

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

48. **Phlomis kurdica Lamiaceae nın Biyolojik Aktivitesi**

Arslan L., İnceoğlu S., Erkoç N., Aydın B., Karabacak O., Açıık L.

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

49. **Suillus luteus Yenilebilen Mantarın Antimikrobiyal Antioksidan ve Antikanser Etkilerinin Belirlenmesi**

Aytar E. C., Aydın B., Açıık L.

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50. **Synthesis in vitro cytotoxic activity and DNA interactions of new dicarboxylatoplatinum II complexes with 2 hydroxymethylbenzimidazole as carrier ligands**

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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.

FEBS EMBO 2014 Conference, Paris, France, 30 August - 04 September 2014, vol.281, pp.432

52. **DNA Interaction and Antimicrobial Activities of Ferrocenyl Cyclotetraphosphazenes**  
Aydın B., Açık L., Okumuş A., Elmas G., Kılıç Z.  
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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54. **Antiproliferative effect of *Thymus cherleroides* Vis Var *cherleroides* water extract on prostate cancer cell lines**  
BALI E. B., AÇIK L., elçi p., Sarper M., Avcu F., Vural M., DİRMENCİ T.  
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55. **Cytotoxic Effects of Methanol and Water Extracts of *Achillea teretifolia* Willd on MCF 7 and HeLa Cell Lines**  
Bali E. B., Açık L., Vural M.  
13th Congress of the International Society for Ethnopharmacology (ISE), Konya, Turkey, 2 - 06 September 2012
56. **Antimicrobial and Antioxidant Activities of Three *Anthemis* L. Species**  
Akyüz E., Açık L., Özbek M. U., Vural M.  
The 2nd International Symposium on Medicinal Plants, Their Cultivation and Aspects of Uses, Ma'an, Jordan, 3 - 05 November 2010, pp.18
57. **Cytotoxicity and DNA Interactions of Some Platinum II Complexes with Benzimidazole Ligands**  
ÖZÇELİK A. B., UTKU S., ÇELEBİ KESKİN A., AÇIK L., Yılmaz Ş., Adeviye Ö., GÜMÜŞ F.  
Third International Meeting on Pharmacy and Pharmaceutical Sciences (IMPPS-3), Istanbul-TURKEY, 09 June 2010
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.  
34th Congress of the Federation-of-European-Biochemical-Societies, Prague, Czech Republic, 4 - 09 July 2009, vol.276, pp.97-98
59. **Taxonomic relations among some Turkish serpentine endemic *Alyssum* Brassicaceae**  
BABAOĞLU S., BANİ B., AÇIK L., ADIGÜZEL N.  
" IV. Balkan Botanical Congress, Sofija, Bulgaria, 20 - 26 June 2006, pp.196-199
60. ***Centaurea tchihatcheffii* Fisch Mey Ve *C depressa* Bieb populasyonlarının protein elektroforez ve RAPD PCR ile analizleri**  
BABAOĞLU ., 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***  
BABAOĞLU 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
62. **Nikel hiperakümülatör bitki *Alyssum corsicum* Brassicaceae da SEM EDX ile nikel miktarı analizi ve morfolojik incelemeler**  
BABAOĞLU 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**  
BABAOĞLU S., AÇIK L., ADIGÜZEL N., ELLİALTIOĞLU Ş. Ş.  
International Conference on Environment: Survival and Sustainability, Nicosia, Cyprus (Kktc), 19 - 24 February 2007
64. **RAPD PCR analyse of hyperacucmulator plants *A corsicum* and *A murale* induced by Ni trearment**  
BABAOĞLU AYDAŞ S. S., AÇIK L., ADIGÜZEL N., ELLİALTIOĞLU Ş. Ş.

International Conference on Environment: Survival and Sustainability, 15 - 17 January 2007

65. **Taxonomical relations among species of *Althaea Malvaceae* growing in Turkey as revealed by RAPD PCR and SDS PAGE**  
ÖZTÜRK F., UZUNHİSARCIKLİ M. E., BABAOĞLU 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**  
BABAOĞLU 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
68. **Antioxidative enzyme response of heavy metal hyperaccumulator *Alyssum murale* to Ni 2 stress**  
BABAOĞLU 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., BABAOĞLU S., AÇIK L.  
18. Ulusal Biyokimya Kongresi, Trabzon, Turkey, 15 - 19 May 2004
70. **Türkiye de yetişen bazı *Alyssum L Brassicaceae* türlerinin SDS PAGE analizleri**  
AÇIK L., BABAOĞLU 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., BABAOĞLU 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 | Doçentlik komite üyesi      | Gazi University, Fen Fakültesi, Biyoloji        |
| 2009 - 2009 | Head of Department          | Gazi University, Fen Fakültesi, Biyoloji Bölümü |
| 2006 - 2008 | Research Institute Director | Gazi University                                 |
| 1997 - 1999 | Head of Department          | 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 CLONİNG, 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., 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., Mono ve di süstitüe trimerik fosfazenlerin biyolojik aktivitesi, Postgraduate, H.KAYALAK(Student), 2019  
AÇIK L., Biological Activity Of Coumarin Compounds, Postgraduate, F.ERVANUR(Student), 2019  
AÇIK L., Biological Activity Of Verbascum Armenum Boiss. Et Kotschy Var. Armenum Boiss. Et Kotschy, Postgraduate, Ö.KILIÇ(Student), 2019  
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., Antimicrobial And Cytotoxic Activities And Dna Interactions Of Bis-Ferrosenyl-Substitute Cyclotetraphosphate Derivatives, Postgraduate, S.PINAR(Student), 2018  
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., The Antimicrobial Activities And Dna Interactions Of (4-Fluorobenzyl) Pendant Armed Octachlorocyclotetraphosphazenes, Postgraduate, M.ÇAM(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., The Screening Of Some Polymorphisms In Diabetes Patients, Postgraduate, B.GÖRGÜN(Student), 2016  
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., 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., Biological activities of phosphazene compounds which are tetradentate ligand with trimer, Postgraduate, O.AVCI(Student), 2013

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

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

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

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

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

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

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

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., 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., 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 CARCINOMAS, Postgraduate, Y.Ceren(Student), 2010

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

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., Türk popülasyonunda 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., 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., 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., RAS ONCOGENE MUTATION DETECTION IN THYROID TUMORS AND THYROID DEFECTS PATIENTS WITH NESTED PCR AND RFLP, Postgraduate, B.Cihan(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., IDENTIFICATION, MOLECULAR TYPING AND DETERMINATION OF BIOLOGICAL ACTIVITIES OF BACILLUS SPECIES ISOLATED FROM SOILS IN ANKARA, Doctorate, F.ÖZTÜRK(Student), 2007

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

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

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

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

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

AÇIK L., Serviks karserli Türk hastalarda HPV DNA'nın PCR metodu ile tiplendirilmesi, Postgraduate, D.ÇALIŞ(Student), 2000

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

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

## Activities in Scientific Journals

TURKISH JOURNAL OF BIOLOGY, Editor, 2022 - Continues

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

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

Advances in Molecular Biology, Committee Member, 2021 - Continues

Microbial Bioactives, Committee Member, 2021 - Continues

Turkish Journal Of Biology, Committee Member, 2019 - Continues

TURKISH JOURNAL OF BIOLOGY, First Editor, 2008 - 2011

## Scientific Refereeing

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

## Scientific Research / Working Group Memberships

Bilim Ve Teknoloji Stratejileri Araştırma Ve Geliştirme Merkezi, Gazi University, Türkiye, [gazi.edu.tr](http://gazi.edu.tr), 2005 - 2009

## Metrics

Publication: 228

Citation (WoS): 1915

Citation (Scopus): 2096

H-Index (WoS): 26

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

TUBITAK, TÜBİTAK, BİDEB

TÜBİTAK

TÜBİTAK

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

TUBITAK, BİTO, Turkish Journal of Biology

UMIST