

ÖZGEÇMİŞ VE ESERLER LİSTESİ



ÖZGEÇMİŞ

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Bildiği Yabancı Diller (Puan ve Yılı): İngilizce, C2 Ustalık, 2021
Uzmanlık Alanı: Biyoteknoloji
İmmünoloji
Moleküler Biyoloji ve Genetik

Derece	Bölüm/Program	Üniversite	Yıl
Doktora		university of massachusetts amherst	2015
Lisans	İKTİSAT BÖLÜMÜ	Anadolu Üniversitesi	2016
Lisans	KİMYA BÖLÜMÜ	Boğaziçi Üniversitesi	2010
Lisans	MOLEKÜLER BİYOLOJİ VE GENETİK BÖLÜMÜ	Boğaziçi Üniversitesi	2010

Doktora Tezi/S.Yeterlik Çalışması/Tıpta Uzmanlık Tezi Başlığı (özeti ekte) ve Danışman(lar)ı:

The role of Notch3 in T helper cell differentiation and induction of EAE

Görev Unvanı	Görev Yeri	Yıl
Prof. Dr.	Biruni Üniversitesi	2023-Devam Ediyor
Doç. Dr.	Mersin Üniversitesi	2019-2023
Dr. Öğr. Üyesi	Mersin Üniversitesi	2017-2019

Yönetilen Yüksek Lisans Tezleri:

1. INVESTIGATION OF IMMUNOMODULATORY EFFECTS OF MAXIMIN S1 ON MACROPHAGES (2025)
2. Damar endotel hücrelerinin büyümesi, çoğalması ve canlılığını koruyabilmesi için gerekli faktörlerin belirlenmesi ve bu faktörlerin fonksiyonlarının damar oluşumu üzerinden incelenmesi (2023)
3. OZF2 fenotipinin türevinin anti-kanser ve anti-inflamatuar aktivitelerinin incelenmesi (2023)
4. RHE 231 VE RHE 238 MOLEKÜLLERİNİN ANTİ-İNFLAMMATUVAR ETKİLERİ (2019)
5. RHE 241 ve RHE 248 Moleküllerinin Anti-inflamatuar ve Anti-kanser Etkileri (2019)

Yönetilen Doktora Tezleri/Sanatta Yeterlik Çalışmaları:

1. Prostat, Kolon ve Deri Kanseri Hücrelerinde Çoklu İlaç Kombinasyonlarının Anti-Kanser Etkilerinin İncelenmesi (2020)

Projelerde Yaptığı Görevler:

1. *Kırım-Kongo Kanamalı Ateşi Hastalığı Patogenezinde CircRNA Ekspresyon Profillerinin Araştırılması*, TÜBİTAK Projesi, Ayaz F., 2023-Devam Ediyor.
2. *Kendi kendini yenileyebilen, gelişmiş özelliklerde yerli mikro-nano hibrit diş dolgusu kompozitlerinin geliştirilmesi ve in-vitro performanslarının belirlenmesi*, TÜSEB B Grubu AR-GE Projesi, Ayaz F., Açıkbaş G. (Yürütücü), 2023-Devam Ediyor.
3. *Aşılarla Kullanılmak Üzere Kuantum Nokta İçeren Steril Enjeksiyonluk İlaç Formülasyonlarının Hazırlanması*, TÜBİTAK Projesi, Değim İ. T. (Yürütücü), Solak M., Çamlık G., Ayaz F., Bilakaya B., 2022-2024.
4. *Meme Kanseri Hücre Hatlarına Karşı Olası Bir Tedavide Yan Etkileri Minimalize Etme Potansiyeli Olan Yeni Nesil Fotodinamik Terapi Ajanlarının Test Edilmesi*, TÜSEB A Grubu Acil AR-GE Projesi, Ayaz F., Topal Önal H. (Yürütücü), 2023-2024.
5. *Sertralin Antidepresanının Memeli Makrofaj Hücrelerindeki İmmünostimilatör Özelliğinin ve P38, P13K Yolaklarındaki İmmunomodulator Etki Mekanizmasının Araştırılması*, Yükseköğretim Kurumları Destekli Proje, Ayaz F., Topal Önal H. (Yürütücü), 2022-2023.
6. *Pestisitlerin bağışıklık sisteminin iltihaplı tepkilerini düzenlemesinin moleküler seviyede incelenmesi*, Yükseköğretim Kurumları Destekli Proje, Ayaz F., 2022-2023.
7. *Meme ve Over Kanseri Hücrelerine Karşı Nanopartiküllerin in Vitro Olarak Antikanser Etkinliklerinin İncelenmesi*, Yükseköğretim Kurumları Destekli Proje, Ayaz F., 2021-Devam Ediyor.
8. *Yeni Ftalosiyanın Türevelerinin Sentezi ve Anti-Kanser, Anti-anjiyojenik, Anti-metastatik ve İmmunomodulator Uygulamaları*, TÜBİTAK Projesi, Ayaz F. (Yürütücü), 2019-2022.
9. *DOKU VE HÜCRE KÜLTÜRÜ ÇALIŞMALARINDA KULLANILMAK ÜZERE YENİ İNSAN FİBROBLAST HÜCRE HATLARININ OLUŞTURULMASI VE TİCARİ FİBROBLAST HÜCRE HATLARI İLE KARŞILAŞTIRILMASI*, Yükseköğretim Kurumları Destekli Proje, Ayaz F. (Yürütücü), 2018-2021.
10. *Kişiselleştirilmiş Kanser İmmünoterapi Tedavi Yönteminde Farklı Bağışıklık Sistemi Hücre Türleri ve Alt Tiplerinin Etkinliklerinin İn Vitro ve Ex Vivo Yöntemlerle Belirlenmesi*, Yükseköğretim Kurumları Destekli Proje, Ayaz F. (Yürütücü), 2021-2021.
11. *Mersin Üniversitesi Fen Edebiyat Fakültesi Biyoteknoloji Bölümü Eğitim ve Araştırma Altyapı Geliştirme Projesi*, Yükseköğretim Kurumları Destekli Proje, Ayaz F., 2019-2021.
12. *İmmünoterapi Uygulamaları için Araştırma ve Geliştirme Olanaklarının Artırılması*, Yükseköğretim Kurumları Destekli Proje, Ayaz F. (Yürütücü), 2020-2021.
13. *Moleküler Biyoloji ve Hücre Biyolojisi Çalışmalarında Kullanılabilecek Sitotoksik Etkisi Minimal Plasmid Transfeksiyon Maddesi Üretimi ve Kullanımında Olan Ticari Müadilleri ile Karşılaştırılması*, Yükseköğretim Kurumları Destekli Proje, Ayaz F., 2018-2020.
14. *Çeşitli karbon nanopartiküllerin ve doğadan izole edilmiş bakteriyofaj türlerinin immünomodulator ve anti kanser etkileri*, Yükseköğretim Kurumları Destekli Proje, Ayaz F. (Yürütücü), 2017-2019.

ESERLER

A. Uluslararası hakemli dergilerde yayımlanan makaleler:

- A1. Ayhan H., Sevin S., Karaaslan S., Ayaz F., "Immunomodulatory effects of medicinal leech saliva extract on in vitro activated macrophages", *Immunologic Research*, vol. 73, no. 1, 2025.
- A2. Ayaz F., "Immunomodulatory effects of alexidine dihydrochloride on mammalian macrophages through the modulation of the JNK pathway", *Immunologic Research*, vol. 73, no. 73, 2025.
- A3. Türkben H., Canatar C., Yetkin D., Ayas D., Ayaz F., "Adjuvant Potential of Diadema Setosum Spine's Toxin On Macrophages", *Thalassas*, vol. 41, no. 1, 2025.
- A4. Önal H. T., Yetkin D., Ayaz F., "Exploring the immunomodulatory effects of sertraline: Cytokine modulation and signaling pathway dynamics", *Journal of Neuroimmunology*, vol. 399, 2025.
- A5. Ayaz F., "Synthetic biology and application areas", *Discover Biotechnology*, vol. 2, no. 3, 2025.

- A6.** Önal H. T., Aydemir E., Yetkin D., Tutuş Ö. H., Ayaz F., "Anti-cancer and immunomodulatory photodynamic therapy application of novel porphyrin derivatives", *Journal of Drug Delivery Science and Technology*, vol. 104, 2025.
- A7.** Deniz A. H., Aydemir E., Ekimci Gürcan N., Dabo Jakir A., Faruk Bayrak Ö., Şahin F., Ayaz F., "Improved Malignancy of Colon Cancer Cells at Gene Expression Level With Constitutive Activation of the Eukaryotic Elongation Factor 2 Under Nutrition-Deficient Conditions", *Chemistry and Biodiversity*, 2025.
- A8.** Ayaz F., Demir D., Bölgen N., "Electrospun nanofiber mats caged the mammalian macrophages on their surfaces and prevented their inflammatory responses independent of the fiber diameter", *Scientific Reports*, vol. 14, no. 1, 2024.
- A9.** Aydemir E., Canatar C., Türkbën H., Yetkin D., Ayas D., Ayaz F., "Adjuvant Potential of Lionfish Venom on LPS Activated Mammalian Macrophages", *International Journal of Peptide Research and Therapeutics*, vol. 30, no. 6, 2024.
- A10.** Servi H., Korkmaz T. B., Ayaz F., "Anti-inflammatory activity of benidipine hydrochloride in LPS-activated mammalian macrophages", *Naunyn-Schmiedeberg's Archives of Pharmacology*, vol. 397, no. 8, pp. 5757-5763, 2024.
- A11.** Ayaz F., "The Effect of a Casein and Gluten-Free Diet on the Epigenetic Characteristics of FoxP3 in Patients With Hashimoto's Thyroiditis", *Cureus*, vol. 1, no. 1, 2024.
- A12.** Önal H. T., Karatekin R. S., Ayaz F., "Effects of graphene ZNO on macrophages adjuvant effect of reduced graphene layers modified with different concentrations of ZnO on mammalian macrophages", *Journal of Drug Delivery Science and Technology*, vol. 96, 2024.
- A13.** Yalçın E., Sevin S., Uyar R., Ayaz F., "Anti-Inflammatory Activities of Novel Chalcone Derivatives", *Russian Journal of Bioorganic Chemistry*, vol. 50, no. 2, pp. 432-443, 2024.
- A14.** Haklı Ö., Yaralı S., Öner Usta E., Ayaz F., "Photodynamic anti-inflammatory activity of meso-aryl substituted porphyrin derivative on mammalian macrophages", *Photodiagnosis and Photodynamic Therapy*, vol. 45, 2024.
- A15.** Yıldızlı G., Coral G., Ayaz F., "Anti-bacterial, anti-fungal, and anti-inflammatory activities of wood vinegar: a potential remedy for major plant diseases and inflammatory reactions", *Biomass Conversion and Biorefinery*, vol. 14, no. 3, pp. 3633-3642, 2024.
- A16.** Aslan M. Ş., Haklı Ö., Ayaz F., "A Novel Phenothiazine Derivative's Anti-Proliferative Action on the Colon Cancer Cell Line and Its Immunomodulatory Activity on LPS Activated Mammalian Macrophages", *Journal of Biological Regulators and Homeostatic Agents*, vol. 38, no. 5, pp. 4037-4046, 2024.
- A17.** Ayaz F., "Editorial: Developing biocompatible and biotechnological tools against cancer and autoimmune disorders", *Frontiers in Immunology*, vol. 15, 2024.
- A18.** Efeoglu C., Taskin S., Selcuk O., Celik B., Tumkaya E., Ece A., Sari H., Seferoglu Z., Ayaz F., Nural Y., "Synthesis, anti-inflammatory activity, inverse molecular docking, and acid dissociation constants of new naphthoquinone-thiazole hybrids", *Bioorganic and Medicinal Chemistry*, vol. 95, 2023.
- A19.** Önal H. T., Yetkin D., Ayaz F., "Paroxetine's effect on the proinflammatory cytokine stimulation and intracellular signaling pathways in J774.2 cells", *Naunyn-Schmiedeberg's Archives of Pharmacology*, vol. 396, no. 11, pp. 3327-3335, 2023.
- A20.** Yetkin D., Yılmaz İ. A., Ayaz F., "Anti-inflammatory activity of bupropion through immunomodulation of the macrophages", *Naunyn-Schmiedeberg's Archives of Pharmacology*, vol. 396, no. 9, pp. 2087-2093, 2023.
- A21.** Arslan S., Şahin N. Ö., Bayyurt B., Berkan Ö., Yılmaz M. B., Aşam M., Ayaz F., "Role of lncRNAs in Remodeling of the Coronary Artery Plaques in Patients with Atherosclerosis", *Molecular Diagnosis and Therapy*, vol. 27, no. 5, pp. 601-610, 2023.
- A22.** Önal H. T., Yetkin D., Ayaz F., "Escitalopram's inflammatory effect on the mammalian macrophages and its intracellular mechanism of action", *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, vol. 125, 2023.
- A23.** Haklı O., Ocakoglu K., Ayaz F., "Photodynamic Anti-Inflammatory Activity of Porphyrin Derivative on In-Vitro Activated Macrophages", *Pharmaceutical Chemistry Journal*, vol. 57, no. 4, pp. 513-517, 2023.
- A24.** Önal H. T., Yetkin D., Ayaz F., "Immunostimulatory activity of fluoxetine in macrophages via regulation of the PI3K and P38 signaling pathways", *Immunologic Research*, vol. 71, no. 3, pp. 413-421, 2023.
- A25.** Canatar C., Türkbën H., Efeoglu C., Sari H., Karasu E., Nural Y., Ayaz F., "Anti-inflammatory Potential of 1,4-Naphthoquinone Acyl Thiourea Hybrids on Lipopolysaccharide-Activated Mammalian Macrophages, and Their Acid Dissociation Constants", *ChemistrySelect*, vol. 8, no. 20, 2023.
- A26.** Sevin S., Kivrak İ., Tutun H., Uyar R., Ayaz F., "Apis mellifera anatoliaca Venom Exerted Anti-Inflammatory Activity on LPS-Stimulated Mammalian Macrophages by Reducing the Production of the Inflammatory Cytokines", *Applied Biochemistry and Biotechnology*, vol. 195, no. 5, pp. 3194-3205, 2023.
- A27.** Kavrak B., Yetkin D., Değim İ. T., Ayaz F., "Immunomodulatory activities of novel carbon quantum dots on in vitro activated mammalian macrophages", *Journal of Materials Research*, vol. 38, no. 6, pp. 1730-1739, 2023.
- A28.** Aksoy D., Yeşiloğlu T., Serçe Ç. U., Ayaz F., "Determination of genomic regions related citrus chlorotic dwarf disease in clementine mandarin × Minneola tangelo hybrid population by QTL analysis", *Euphytica*, vol. 219, no. 2, 2023.
- A29.** Batu Öztürk A., Can Öztürk N., Ayaz F., "Conditioned media of mouse macrophages modulates neuronal dynamics in mouse hippocampal cells", *International Immunopharmacology*, vol. 114, 2023.
- A30.** Abdulcelil Yüzer L., Kübra Demircioglu P., Derya Yetkin L., Ince M., Ayaz F., "Beyond the Conventional Photodynamic Therapy by Water-Soluble Phthalocyanines", *ChemistrySelect*, vol. 7, no. 36, 2022.
- A31.** Efeoglu C., Yetkin D., Nural Y., Ece A., Seferoğlu Z., Ayaz F., "Novel urea-thiourea hybrids bearing 1,4-naphthoquinone moiety: Anti-inflammatory activity on mammalian macrophages by regulating intracellular PI3K pathway, and molecular docking

study", *Journal of Molecular Structure*, vol. 1263, no. 1, 2022.

A32. Yetkin D., Ince T., Ayaz F., "Photodynamic anti-inflammatory activity of azulene derivatives on mammalian macrophages and their intracellular mechanism of action", *Photodiagnosis and Photodynamic Therapy*, vol. 39, 2022.

A33. Ayaz F., Yetkin D., Yüzer A., Demircioğlu K., Ince M., "Non-canonical anti-cancer, anti-metastatic, anti-angiogenic and immunomodulatory PDT potentials of water soluble phthalocyanine derivatives with imidazole groups and their intracellular mechanism of action", *Photodiagnosis and Photodynamic Therapy*, vol. 39, 2022.

A34. Ayaz F., Colak S. G., Ocakoglu K., "Water-Based Synthesis of Copper Chalcogenide Structures and Their Photodynamic Immunomodulatory Activities on Mammalian Macrophages", *Applied Biochemistry and Biotechnology*, vol. 194, no. 8, pp. 3677-3688, 2022.

A35. Nural Y., Acar I., Yetkin D., Efeoglu C., Seferoğlu Z., Ayaz F., "Synthesis of novel immunomodulatory 1,4-disubstituted bis-1,2,3-triazoles by using click chemistry and their intracellular mechanism of action", *Bioorganic and Medicinal Chemistry Letters*, vol. 69, 2022.

A36. Emen F. M., Kutlu E., Karacolak A. I., Ali M. A., Demirdogen R. E., Yesilkaynak T., Erat S., Ayaz F., "Novel benzoylthiourea derivatives had differential anti-inflammatory photodynamic therapy potentials on in vitro stimulated mammalian macrophages", *Photodiagnosis and Photodynamic Therapy*, vol. 37, 2022.

A37. Kurt A. H., Ayaz L., Ayaz F., Seferoglu Z., Nural Y., "A Review on the Design, Synthesis, and Structure-activity Relationships of Benzothiazole Derivatives against Hypoxic Tumors", *Current organic synthesis*, vol. 19, no. 7, pp. 772-796, 2022.

A38. Ayaz F., Demir D., Bölgen N., "Injectable chitosan cryogel microspheres with biocompatible properties on mammalian macrophages in vitro", *Journal of Materials Science*, vol. 56, no. 30, pp. 17268-17277, 2021.

A39. Ayaz F., "Antiproliferative activity of Tamoxifen, Vitamin D3 and their concomitant treatment.", *EXCLI Journal*, vol. 1, no. 20, 2021.

A40. Yıldızlı G., Coral G., Ayaz F., "Biochar as a Biocompatible Mild Anti-Inflammatory Supplement for Animal Feed and Agricultural Fields", *Chemistry and Biodiversity*, vol. 18, no. 6, 2021.

A41. Ayaz F., Demir D., Bölgen N., "Differential anti-inflammatory properties of chitosan-based cryogel scaffolds depending on chitosan/gelatin ratio", *Artificial Cells, Nanomedicine and Biotechnology*, vol. 49, no. 1, pp. 682-690, 2021.

A42. Haklı Ö., Ocakoglu K., Ayaz F., "Antiinflammatory photodynamic therapy potential of polyoxyethylene-substituted perylene diimide, nitrocatechol, and azo dye", *Turkish Journal of Chemistry*, vol. 45, no. 6, pp. 1752-1760, 2021.

A43. Ayaz F., Demirbag B., Ocakoglu K., "Immunoactive photosensitizers had photodynamic immunostimulatory and immunomodulatory effects on mammalian macrophages", *Photodiagnosis and Photodynamic Therapy*, vol. 32, 2020.

A44. Ayaz F., Colak S. G., Ocakoglu K., "Investigating the Immunostimulatory and Immunomodulatory Effects of cis and trans Isomers of Ruthenium Polypyridyl Complexes on the Mammalian Macrophage-Like Cells", *ChemistrySelect*, vol. 5, no. 37, pp. 11648-11653, 2020.

A45. Ayaz F., Arikoglu T., Demirhan A., Kuyucu S., "Response to the Letter to the editor concerning "A novel whole blood based method for lymphocyte transformation test in drug allergies"", *Journal of Immunological Methods*, vol. 483, 2020.

A46. Ayaz F., Gonul I., Demirbag B., Ocakoglu K., "Novel Copper Bearing Schiff Bases with Photodynamic Anti-Inflammatory and Anti-Microbial Activities", *Applied Biochemistry and Biotechnology*, vol. 191, no. 2, pp. 716-727, 2020.

A47. Ayaz F., Yuzer A., Ince T., Ince M., "Anti-Cancer and Anti-Inflammatory Activities of Bromo- and Cyano-Substituted Azulene Derivatives", *Inflammation*, vol. 43, no. 3, pp. 1009-1018, 2020.

A48. Ayaz F., "Ruthenium Bipyridyl Dithiocyanate Complex Exerted Adjuvant Activity on the Activated Mammalian Macrophages in vitro", *Inflammation*, vol. 43, no. 3, pp. 1120-1126, 2020.

A49. Önal H. T., Yuzer A., Ince M., Ayaz F., "Photo induced anti-inflammatory activities of a Thiophene substituted subphthalocyanine derivative", *Photodiagnosis and Photodynamic Therapy*, vol. 30, 2020.

A50. Ayaz F., Ocakoglu K., "Differential effects of aminochlorin derivatives on the phagocytic and inflammatory potentials of mammalian macrophages", *European Journal of Pharmacology*, vol. 873, 2020.

A51. Yıldızlı G., Coral G., Ayaz F., "Immunostimulatory Activities of Coliphages on In Vitro Activated Mammalian Macrophages", *Inflammation*, vol. 43, no. 2, pp. 595-604, 2020.

A52. Ayaz F., Alas M. O., Genc R., "Differential Immunomodulatory Effect of Carbon Dots Influenced by the Type of Surface Passivation Agent", *Inflammation*, vol. 43, no. 2, pp. 777-783, 2020.

A53. Ayaz F., Alas M. O., Genc R., "Correction to: Differential Immunomodulatory Effect of Carbon Dots Influenced by the Type of Surface Passivation Agent (*Inflammation*, (2020), 43, 2, (777-783), 10.1007/s10753-019-01165-0)", *Inflammation*, vol. 43, no. 2, pp. 784-784, 2020.

A54. Ayaz F., Arikoglu T., Demirhan A., Kuyucu S., "A novel whole blood based method for lymphocyte transformation test in drug allergies", *Journal of Immunological Methods*, vol. 479, 2020.

A55. Ayaz F., Ersan R. H., Kuzu B., Algul O., "New-Generation Benzimidazole-Based Plasmid Delivery Reagents with High Transfection Efficiencies on the Mammalian Cells", *In Vitro Cellular and Developmental Biology - Animal*, vol. 56, no. 1, pp. 34-41, 2020.

A56. Gonul I., Demirbag B., Ocakoglu K., Ayaz F., "Unique photodynamic antimicrobial Schiff bases and their copper complexes exert immunomodulatory activity on mammalian macrophages", *Journal of Coordination Chemistry*, vol. 73, pp. 2878-2888, 2020.

- A57.** Yüzer A., Ayaz F., Ince M., "Immunomodulatory activities of zinc(II)phthalocyanine on the mammalian macrophages through p38 pathway: Potential ex vivo immunomodulatory PDT reagents", *Bioorganic Chemistry*, vol. 92, 2019.
- A58.** Ayaz F., Gonul İ., Demirbag B., Ocakoglu K., "Differential Immunomodulatory Activities of Schiff Base Complexes Depending on their Metal Conjugation", *Inflammation*, vol. 42, no. 5, pp. 1878-1885, 2019.
- A59.** Ayaz F., "Heteroleptic Ruthenium Polypyridyl Complex Had Differential Effects on the Production of Pro-inflammatory Cytokines TNF α , IL1 β , and IL6 by the Mammalian Macrophages In Vitro", *Inflammation*, vol. 42, no. 4, pp. 1383-1388, 2019.
- A60.** Kuzu B., Ayaz F., Algul O., "Synthesis of New Alicyclic Oxalamide Derivatives and Their Differential Immunomodulatory Activities on the Mammalian Cells", *Journal of Heterocyclic Chemistry*, vol. 56, no. 7, pp. 1946-1952, 2019.
- A61.** Ayaz F., Ersan R. H., Algul O., "Symmetric bis-benzoxazole-based chemicals exerted anti-inflammatory effect on danger signal LPS-stimulated macrophages", *Monatshefte fur Chemie*, vol. 150, no. 6, pp. 1137-1146, 2019.
- A62.** Ayaz F., "Immunomodulatory and immunostimulatory effects of some bisbenzoxazole derivatives on lipopolysaccharide stimulated mammalian macrophage.", *JOURNAL OF RESEARCH IN PHARMACY*, vol. 23, no. 5, 2019.
- A63.** Ayaz F., Alaş M. Ö., Oğuz M., Genç R., "Aluminum doped carbon nanodots as potent adjuvants on the mammalian macrophages", *Molecular Biology Reports*, vol. 46, no. 2, pp. 2405-2415, 2019.
- A64.** Ayaz F., Ugur N., Ocakoglu K., Ince M., "Photo-induced anti-inflammatory activities of chloro substituted subphthalocyanines on the mammalian macrophage in vitro", *Photodiagnosis and Photodynamic Therapy*, vol. 25, pp. 499-503, 2019.
- A65.** Ayaz F., Kheeree R., Isse Q. A., Ersan R. H., Algül Ö., "Bisbenzoxazole derivatives had an antiinflammatory effect on in vitro stimulated macrophages", *Turkish Journal of Chemistry*, vol. 43, no. 3, pp. 963, 2019.
- A66.** Atalay H., Çelik A., Ayaz F., "Investigation of genotoxic and apoptotic effects of zirconium oxide nanoparticles (20 nm) on L929 mouse fibroblast cell line", *Chemico-Biological Interactions*, vol. 296, pp. 98-104, 2018.
- A67.** Ayaz F., Yuzer A., Ince M., "Immunostimulatory effect of Zinc Phthalocyanine derivatives on macrophages based on the pro-inflammatory TNF α and IL1 β cytokine production levels", *Toxicology in Vitro*, vol. 53, pp. 172-177, 2018.
- A68.** Ayaz F., "Ruthenium pyridyl thiocyanate complex increased the production of pro-inflammatory TNF α and IL1 β cytokines by the LPS stimulated mammalian macrophages in vitro", *Molecular Biology Reports*, vol. 45, no. 6, pp. 2307-2312, 2018.
- A69.** Ayaz F., Eker-develi E., Sahin M., "First report of Nitzschia navis-varingica in the Mediterranean Sea and growth stimulatory effects of Nitzschia navis-varingica, Chrysochromulina alifera and Heterocapsa pygmaea on different mammalian cell types", *Molecular Biology Reports*, vol. 45, no. 4, pp. 571-579, 2018.
- A70.** Moyano D. F., Liu Y., Ayaz F., Hou S., Puangpoy P., Duncan B., Osborne B. A., Rotello V. M., "Immunomodulatory Effects of Coated Gold Nanoparticles in LPS-Stimulated In Vitro and In Vivo Murine Model Systems", *Chem*, vol. 1, no. 2, 2016.
- A71.** Navasa N., Martín-ruiz I., Atondo E., Sutherland J. D., Angel Pascual-itoiz M., Carreras-gonzález A., Izadi H., Tomás-cortázar J., Ayaz F., Martín-martin N. vd., "Ikaros mediates the DNA methylation-independent silencing of MCJ/DNAJC15 gene expression in macrophages", *Scientific Reports*, vol. 5, 2015.
- A72.** Navasa N., Martín I., Iglesias-pedraz J. M., Beraza N., Atondo E., Izadi H., Ayaz F., Fernández-alvarez S., Hatle K., Som A. vd., "Regulation of oxidative stress by methylation-controlled j protein controls macrophage responses to inflammatory insults", *Journal of Infectious Diseases*, vol. 211, no. 1, 2015.
- A73.** Ayaz F., Osborne B. A., "Non-canonical Notch signaling in cancer and immunity", *Frontiers in Oncology*, vol. 4, 2014.
- A74.** Thaker H. D., Som A., Ayaz F., Lui D., Pan W., Scott R. W., Anguita J., Tew G. N., "Synthetic mimics of antimicrobial peptides with immunomodulatory responses", *Journal of the American Chemical Society*, vol. 134, no. 27, pp. 11088-11091, 2012.

C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

C1. Yazılan ulusal/uluslararası kitaplar:

- C1.1.** Ayaz F., *9th INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES PROCEEDINGS BOOK*, Anatolia Science Academy, İstanbul, 2024.
- C1.2.** Ayaz F., *Biyoteknolojide Kullanılan Teknikler Ve Protokoller*, Atlas Akademi Yayın, İstanbul, 2022.
- C1.3.** Ayaz F., *The Proceedings of the 4rd Advanced Engineering Days*, Mersin Üniversitesi, Mersin, 2022.
- C1.4.** Ayaz F., *10. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi Özet Kitabı*, ANT Akademi, İstanbul, 2022.
- C1.5.** Ayaz F., *The Proceedings of the 3rd Advanced Engineering Days*, Mersin Üniversitesi, Mersin, 2022.

C2. Yazılan ulusal/uluslararası kitaplardaki bölümler:

- C2.1.** Ayaz F., "Hücre İçi Sinyal Yolakları", *Hücre Biyolojisi*, Nobel Yayınevi, İstanbul, 2022.

D. Ulusal hakemli dergilerde yayımlanan makaleler:

- D1.** Ayaz F., "Inaugural Editorial of Discover Immunity.", *Discover Immunity*, vol. 1, 2024.
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