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<https://youtu.be/UCXx6m4lA3xtgn1UU7bXLzBg> (COVID-19)

RF

Research Interests

Vaccine Development and Immunotherapy

- Development New Nanovaccine Formulations Based on Polymeric Nanoparticles Delivery Systems Against Infectious Diseases and Cancer
- Development New Immunotherapeutic Method Against Infectious Diseases and Cancer Based On Dendritic Cells

Chemotherapy and Immunotherapy

- Development of New Nano Drug formulations Based on Polymeric Nanoparticles Delivery System Against Infection Diseases and Cancer
- Development of New Immunotherapeutic Formulation Approaches in the Treatment of Infection Diseases and Cancer Based on Polymeric Nanoparticles Delivery System

Diagnosis

- Development Monoclonal and Polyclonal Antibody Based on Hybridoma Technology and Application in the Diagnosis of Infection Diseases and Cancer
- Development New Diagnostic Kit Based on Natural Molecules and Application in the Diagnosis of Infection Diseases and Cancer

Cell culture

- Development Stem Cell Culture Models for Determination of Toxicity of Different Agents
- Cell Cryobiology- Vitrification

Stem Cells and Tissue Engineering

- Development new approaches in the treatment of cancer based on stem cells and niches
- Isolation and Cultivation of Mesenchymal Stem Cell and Their Application in Tissue Engineering

Stem cells and Infection

- Interaction between Stem Cells, Nanoparticles and Biomaterials

Extracellular Vesicles and Exosome

- Stem Cells And Plant Mediated Exosomes And Their Application In Different Area

Bionanotechnology

Nanobiotechnological Researches

- Development of New Metallic Nanoparticles Based on Green Nanotechnology Against Infectious Diseases and Cancer
- Development of a New Treatment Approches Against Infections Based on Nanoparticles, Herbal Oils and Their Combinations.

Education

1990 Martsinovsky Institute of Medical Parasitology and Tropical Medicine, MoscowUSSR. ***Doctor Medicine of Science***. Title of Prof thesis: Interaction in the system of malarial parasite and erythrocyte in *in vitro*. Moskow USSR, **1990** , 405 pages (Rus)

1981 Martsinovsky Institute of Medical Parasitology and Tropical Menicine,Moskow USSR.,**Ph.D.** Title of thesis: The experimental study on hemolytic effects of primaquine and its analogs in the normal erythrocytes and with deficiency *G-6PD in vitro* Moskow USSR 1981, 136 pages.(Rus)

1977 Research Institute of Medical Parasitology and Tropical Medicine, ***Specialist of Medical Parasitologyand Tropical Deseases***, Baku, Azerbaijan ,USSR. 1977

1974 Medical University ,Baku, Azerbaijan USSR.**M.D.**,1974.

Academic Appoinments

- 2006-2020, Professor Yildiz Technical University, Department of Bioengineering Directory laboratory of cultivation cells and Professor, Director of cell culture and tissue engineering laboratory.
- 2000-2006, Cukurova University, Medicine Faculty, Tropical Diseases Research and Application Center, Director of tropical diseases laboratory
- 1994-2000, Department of Microbiology and Immunology, Professor
- 1993-1994, Cukurova University, Medicine Faculty, Department of Medical Biology,

- 1990-1992, Azerbaijan Microbiology and Virology Research Institute directory Laboratory of cell culture and professor
- 1978-1990, Sechenov Academy of Medicine, Marsinovskiy Medical Parasitology and Tropical Disease Research Institute, Researcher (Moscow, USSR)

Patents

1. **Allakhverdiev A.M.**, Grinberg L.N Method obtain of biomass *P. falciparum* No. 1563700 Bul, No.18 (Mosk.), (1990) (Author certificate, patent) (Russia)
2. **Allakhverdiev A.M.**, Method of quantitative determination of reticulocytes in the blood. No. 1439500 Bul, No.43 (Mosk.), (1988) (Author certificate, patent), (Russia)
3. **Allahverdiyev A.M.**, Aliyeva S.N. The Approach cultivation of erythrocytic states of *Plasmodium vivax*. Bull (1993), (Baku) (Date and number of registration-8.07.1993, No.03069), (1994). (invention) (Rus)
4. **Allahverdiyev A.M.**, Serap Derman, Emrah Şefik Abamor, Ayşegül Batıoğlu Karaaltın, Büşra Akgül Polisakkarit Bazlı Yapay Kulak Zarı Yaması

Useful Modules (modification and improving of methods)

1. **Allakhverdiev A.M.**, Modification of method cultivation of erythrocytic stages of *P.falciparum* (Author certificate, N10,(10.10.1985), (Mosk.), (Russia)
2. **Allakhverdiev A.M.**, Method for the controlling the quality of membrane filters for culture medium sterilization. (Author certificate, N76.,(14.05.85), (Mosk.) (Russia)
3. **Allakhverdiev A.M.**, Method induction of reticulocytes in experimental animals Author certificate, N81,(08.10.1985), (Mosk.), (Russia)

BOOKS and CHAPTERS

1. **Allahverdiyev A.M.**, Sahar Dinparvar, Melahat Bağirova, Emrah Şefik Abamor. Organik ve inorganik nanopartiküllerin immün sistem hücreleri ile etkileşimleri Biomazemeler kitabı, Yayınevi Nobel Akademik Yayıncılık İstanbul Türkiyə 2021, 810 səhifə (483-493)

2. **Allahverdiyev A.M**, Sahar Dinparvar, Melahat Bağirova, Emrah Şefik Abamor. Hücre Kültüründe Sterilizasyon Ve Dezenfeksiyon Uygulamaları biyomalzemeler. Yayınevi Nobel Akademik Yayıncılık İstanbul, Türkiyə 2021, 810 səhifə (471-480)
3. **Allahverdiyev A.M**, Murat İhlamur, Hümeyra Başarı, Emrah Şefik Abamor; Melahat Bağirova, İnsan Meme Kanseri Lizatları ile Farklı Adjuvanların Makrofaj Kültür Sisteminde İmmünostimulan Etkinliğinin İncelenmesi (106-115) usbik 2021 online international congress on natural sciences full text e-book 26-28 february 2021
4. **Allahverdiyev A. M**, Basic Principles of Somatic and Stem Cell Culture Systems. Nobel Tıp Kitabevleri. 2018, p:240
5. **Allahverdiyev A.M**, Kocagoz T, Bagirova M, Koc Rc, Ates Sc, Abamor Es, Miraloglu M, Oktem S, Aytekin N, Elcicek S., Basis Of Anti-Infective Therapy Against Leishmaniasis And Future Perspectives. Frontiers In Anti-Infective Drug Discovery (2014) p: 1-87
6. **Allahverdiyev A.M.**, Bagirova M.I., The Clinical and Laboratory Significant of Study Blood, Bakü, 2003, p: 134.
7. **Adil M. Allahverdiyev**¹, Emrah Sefik Abamor¹, Melahat Bagirova¹, Tugce Deniz Tanalp², Hayat Aliyeva³ and Zafer Nihat Candan. Nanoparticulate Drug Delivery Systems and Infectious Diseases p:1-30 (2013) (PDF:99)
8. **Adil M. Allahverdiyev**, Melahat Bagirova, Serkan Yaman, Rabia Cakir Koc, Emrah Sefik Abamor¹, Sezen Canim Ates¹, Serap Yesilkir Baydar¹, Serhat Elcicek, Olga Nehir Oztel. Development of New Antiherpetic Drugs Based on Plant Compounds , Fighting Multi Drug Resistance With Herbal Extracts, Essential Oils And Their Components, chapter 17, p: 245-259.

9. **Allahverdiyev A.M**, Bagirova M, Elcicek S, Koc RC, Ates SC, Baydar SY, Yaman S, Abamor ES, Oztel ON. A Problem in Treatment of Glucose-6-Phosphate Dehydrogenase (G6PD) Deficient Patients Infected with Malaria: Primaquine-Induced Hemolysis. *Dehydrogenases* (2012) (chap.4 ,p: 65-90) (PDF:74)
10. **Allahverdiyev A.M**, Bagirova M, Oztel ON, Yaman S, Abamor ES, Koc RC, Ates SC, Elcicek S, Baydar SY. Aldehyde Dehydrogenase: Cancer And Stem Cells. *Dehydrogenases* (chap.1 p: 3-28) (PDF:73)
11. **Allahverdiyev A.M**, Kocagoz T, Bagirova M, Koc RC, Ates SC, Abamor ES, Miraloglu M, Oktem S, Aytekin N, Elcicek S. Basis of Anti-Infective Therapy Against Leishmaniasis And Future Perspectives. *Frontiers in Anti-Infective Drug Discovery* (2013) p:1-123
12. **Allahverdiyev A.M**,Necati Fındıklı, A.Süha Sönmez, “Biology of Stem Cells” translation from English to Turkish. Book: “*In vitro* Fertilization” (Under editors Key Elder and Brian Dale) (2012) chap.7, p: 93-108. (TURK)

Publications (more than 150)

Selected Publications

1. Kubra Kelleci,**Adil Allahverdiyev**,Melahat Bagirova,Murat Ilhlamur,Emrah.Ş.Abamor Particulate and non-particle adjuvants in Leishmaniasis Vaccine Designs:A Review,Journal of Vector Borne Diseases,DOI:10.4103/0972-9062.361179
2. Asli Pinar Zorba Yildiz , Hakan Darici , Burcak Yavuz , Emrah Sefik Abamor , Ceren Ozdemir , Muge Elif Yasin , Melahat Bagirova , **Adil Allahverdiyev** , Erdal Karaoz Preparation and Characterization of Graphene-Based 3D Biohybrid Hydrogel Bioink for Peripheral Neuroengineering PMID: 35635451 DOI: 10.3791/63622.,2022 May22

3. Yavuz B, Daraci H, Zorba Yıldız AP, Abamor EŞ, Topuzoğulları M, Bağirova M, **Allahverdiyev A.M.**, Karagöz E. Formulating and Characterizing an Exosome-based Dopamine Carrier System *Vis Exp* 2022 Apr4;(182).doi:10.3791/63624,PMID:35435916
4. Yagublu V, Karimova A, Hajibabazadeh J, Reissfelder C, Muradov M, Bellucci S, **Allahverdiyev A.M.**, Overview of Physicochemical Properties of Nanoparticles as Drug Carriers for Targeted Cancer Therapy, 2022 Oct20;13(4):196,doi:10.3390/jfb13040196.PMID:36278665
5. Zorba Yıldız AP, Darici H, Yavuz B, Abamor ES, Ozdemir C, Yasin ME, Bağirova M, **Allahverdiyev A.M.**, Karagöz E. Preparation and Characterization of Graphene-Based 3D Biohybrid Hydrogel Bioink for Peripheral Neuroengineering. 2022 May16;(183),doi:10.3791/63622.PMID:35635451
6. Koken GY, Abamor ES, **Allahverdiyev A.M.**, Karaoz E. Wharton Jelly Derived Mesenchymal Stem Cell's Exosomes Demonstrate Significant Antileishmanial and Wound Healing Effects in Combination with Aloe-Emodin: An in Vitro Study. 2022 Aug 20., S0022-3549(22)003553-7. doi:10.1016/j.xphs.2022.08.016. Online ahead of print. PMID:35995206
7. **Adil.M.Allahverdiyev.**, Melike Ersoz, Investigation of Polyacrylic Acid Toxicity in Human Breast Cancer (MCF-7) and Mouse Fibroblast (L-9290 Cell Lines Jul2021, *The EuroBiotech Journal* 5(3):123-129
8. Dinparvar S, Bagirova M, **Allahverdiyev A***, Abamor EŞ, Safarov T, Aydoğdu M, Aktas D, A nanotechnology-based new approach in the treatment of breast cancer: biosynthesized silver, nanoparticles using seed extract of *Cuminum cyminum*. *Journal of Photochemistry & Photobiology, B: Biology*, 2020 Jul;208:111902
9. Aktas D, Bagirova M, **Allahverdiyev AM***, Abamor ES, Safarov T, Kocazeybek BS, Resuscitation of the *Helicobacter pylori* Coccoid Forms by Resuscitation Promoter Factor Obtained from *Micrococcus Luteus*. *Curr Microbiol.* 2020 Jun 5. doi: 10.1007/s00284-020-02043-x.

10. Bagirova M, Dinparvar S, **Allahverdiyev A***, Unal K, Abamor EŞ, Novruzova M, Investigation of Antileishmanial Activities of Cuminum Cyminum Based Green Silver Nanoparticles on *L. Tropica* Promastigotes and Amastigotes in Vitro. *Acta Trop*, 2020 May 16;208:105498
11. Kutlutürk Karagöz I, **Allahverdiyev AM***, Bagirova M, Abamor EŞ, Dinparvar S, Current Approaches in Treatment of Diabetic Retinopathy and Future Perspectives, *J Ocul Pharmacol Ther*. 20 May 2020. doi: 10.1089/jop.2019.0137
12. Parlar E, **Allahverdiyev AM***, Bagirova M, Abamor EŞ, Dinparvar S, Development of novel anti-miR-21 biocarrier systems based on ginger derived extracellular vesicles and examination of effects on breast cancer cell line, *Molecular Biology Reports (MOLE)*, 9 Jul 2020. (submitted)
13. Abamor EŞ, **Allahverdiyev AM***, Tosyali OA, Bağirova M, Acar T, Mustafaeva Z, Derman S (2019). Evaluation of in vitro and in vivo immunostimulatory activities of poly (lactic-co-glycolic acid) nanoparticles loaded with soluble and autoclaved *Leishmania infantum* antigens: A novel vaccine candidate against visceral leishmaniasis", *Asian Pacific Journal of Tropical Medicine*, 12, 353-364.
- Safarov T, Kıran B, Bağirova M, **Allahverdiyev AM***, Abamor EŞ, (2019). An overview of nanotechnology-based treatment approaches against *Helicobacter Pylori*. *Expert Review of Anti-Infective Therapy*. Pages 829-840 | <https://doi.org/10.1080/14787210.2019.1677464>
14. **Adil Allahverdiyev**, Asli Pinar Zorba, Dr Emrah Sefik Abamor, Dr Melahat Bağirova, Gülnaz Yıldırım Köken, Dr Ozlem Ayse Ozyilmaz, Investigation of the Effectiveness of Different Adjuvants on Polyclonal Antibody Production Against *L. Tropica* Based on Hybridoma. *Experimental Parasitology*.

15. **Allahverdiyev AM***, Parlar E, Dinparvar S, Bagirova M, Abamor EŞ (2018). Current aspects in treatment of breast cancer based of nanodrug delivery systems and future prospects. Artificial cells, nanomedicine, and biotechnology, 1-8. ?
16. Abamor EŞ, Tosyalı OA, Bağırova M, **Allahverdiyev AM*** (2018). Nigella sativa oil entrapped polycaprolactone nanoparticles for leishmaniasis treatment", IET Nanobiotechnology, 12, 1018-1026.
17. **Allahverdiyev, A.M***, Tari, G., Bagirova, M., & Abamor, E. S. (2018). Current Approaches in Development of Immunotherapeutic Vaccines for Breast Cancer. Journal of breast cancer, 21(4), 343-353.
18. Ullah I, Cosar G, Abamor ES, Bagirova M, Shinwari ZK, Allahverdiyev AM. Comparative study on the antileishmanial activities of chemically and biologically synthesized silver nanoparticles (AgNPs). 3 Biotech. 2018 Feb;8(2):98.
19. Aslan, A., **Allahverdiyev, A. M***, Bagirova, M., & Abamor, E. S., Problems in Stem Cell Therapy for Cardiac Repair and Tissue Engineering Approaches Based on Graphene and Its Derivatives. Current stem cell research & therapy, 13(6), 447-457.2018
20. Köse, C., Kacar, R., Zorba, A. P., Bağırova, M., Abamor, E. Ş., & **Allahverdiyev, A. M***, Interactions Between Fibroblast Cells and Laser Beam Welded AISI 2205 Duplex Stainless Steel. Materials Science, 24(2), 159-165.2018
21. **Allahverdiyev AM***, Cakir Koc R, Bagirova M, Elcicek S, Baydar SY, Oztel ON, Abamor ES, Ates SC, Topuzogullari M, Isoglu Dincer S, Akdeste Z. A New Approach For Development Of Vaccine Against Visceral Leishmaniasis: Lipophosphoglycan And Polyacrylic Acid Conjugates. Asian Pac J Trop Med. 2017 Sep;10(9):877-886. doi:10.1016/j.apjtm.2017.09.001. Epub 2017 Sep 15. PubMed PMID: 29080616.

22. Ullah, I., Abamor, E. Ş., Bağırova, M., Shinwari, Z. K., & **Allahverdiyev, A. M***. (2017). Biomimetic production, characterisation, in vitro cytotoxic and anticancer assessment of aqueous extract-mediated AgNPs of *Teucrium stocksianum* Boiss. *IET Nanobiotechnology*, 12(3), 270-276.

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24. Bagirova, M., **Allahverdiyev, A.M***, Abamor, E., Aliyeva, H., Unal, G., & Tanalp, T. D. An overview of challenges to eradication of *Helicobacter pylori* infection and future prospects. *Eur Rev Med Pharmacol Sci*, 21(9), 2199-2219.,2017

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26. Bagirova, M., **Allahverdiyev, A. M***, Abamor, E. S., Ullah, I., Cosar, G., Aydogdu, M., & Ergenoglu, B., Overview of dendritic cell-based vaccine development for leishmaniasis. *Parasite immunology*, 38(11), 651-662.,2016

27. Abamor, E. S., & **Allahverdiyev, A. M***.,A nanotechnology based new approach for chemotherapy of cutaneous leishmaniasis: TiO₂@ Ag nanoparticles–*Nigella sativa* oil combinations. *Experimental parasitology*, 166, 150-163.,2016

28. Köse, C., Kaçar, R., Zorba, A. P., Bağırova, M., & **Allahverdiyev, A. M***.,The effect of CO₂ laser beam welded AISI 316L austenitic stainless steel on the viability of fibroblast cells, in vitro. *Materials Science and Engineering*: 60, 211-218.2016

29. **Allahverdiyev, A. M***, Bagirova, M., Caliskan, R., Tokman, H. B., Aliyeva, H., Unal, G. & Kalayci, F., Isolation and diagnosis of *Helicobacter pylori* by a new method: microcapillary culture. *World Journal of Gastroenterology: WJG*, 21(9), 2622.,2015

30. Derman, S., Mustafaeva, Z. A., Abamor, E. S., Bagirova, M., & **Allahverdiyev, A.M***. Preparation, characterization and immunological evaluation: canine parvovirus synthetic peptide loaded PLGA nanoparticles. *Journal of biomedical science*, 22(1), 89.,2015

31. Karahan, M., Mustafaeva, Z., Koç, R. C., Bağırova, M., & **Allahverdiyev, A. M***. Investigation of metal–polyelectrolyte complex toxicity. *Toxicology and industrial health*, 30(4), 384-389.,2014

32. **Allahverdiyev, A. M***, Abamor, E. S., Bagirova, M., Baydar, S. Y., Ates, S. C., Kaya, F., Ustundag C.B. & Rafailovich, M., Investigation of antileishmanial activities of Tio2@ Ag nanoparticles on biological properties of *L. tropica* and *L. infantum* parasites, in vitro, *xperimental parasitology*, 135(1), 55-63.,2013

33. **Allahverdiyev A.M**, Bagirova M, Abamor ES, Ates SC, Koc RC, Miraloglu M, Elcicek S, Yaman S, Unal G. The Use Of Platensimycin And Platencin To Fight Antibiotic Resistance. *Infect Drug Resist.*, Sep 18;6:99-114. Review.(PDF:100),2013

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37. Elcicek S, Bagirova M, **Allahverdiyev A.M.** Generation Of Avirulent Leishmania Parasites And Induction Of Nitric Oxide Production In Macrophages By Using Polyacrylic Acid. *Exp Parasitol.* 2013 Mar;133(3):237-42. Doi: 10.1016/J.Exppara.2012.11.014. Epub 2012 Dec 10. (PDF:64)
38. **Adil Allahverdiyev**, Serap Yesilkir Baydar, Melahat Bagirova, Necati Findikli; "Micro Capillary Culture Method (MCCM): A Novel Tool For In Vitro Expansion Of Stem Cells From Scarce Sources. *Archives of Medical Research* 2012 accepted(PDF:102)
39. Mesut Karahan, Zeynep Mustafaeva, Rabia Çakır Koç, Melahat Bağirova, **Adil M. Allahverdiyev**, "Investigation of Metal-Polyelectrolyte complexes Toxicity" (Toxicology and Industrial Health, first published on August 22, 2012).(PDF:92)
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45. **Allahverdiyev A.M.**, Abamor E. S., Bagirova M., Rafailovich M., ‘Antimicrobial Effects of TiO₂ And Ag₂O Nanoparticles Against Drug-Resistant Bacteria and Leishmania Parasites’, *Future Microbiology*, 2011 Aug;6(8):933-40.(PDF:46)
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2. **Allahverdiyev A.M.**, “Development of production-oriented new vaccine formulations against visceral leishmaniasis”, VI. Türk Tıp Dünyası Kurultayı, Sağlıkta Biyoteknoloji Uygulamaları, Istanbul, Turkey. 28-31 Nov,2019
3. **Allahverdiyev A.M.**, “New Nanovaccine Formulations Against Visceral Leishmaniasis”, International Parasitology Congress, İzmir, Turkey. Sep,2019
4. **Allahverdiyev A.M.**, “New Vaccine Formulations against Leishmaniasis”, Türkiye Sağlık Enstitüleri Başkanlığı Bünyesinde Oluşturulmuş Aşı Bilim Kurulu Birinci Toplantısı, Ankara, Turkey. 9 Sep 2019.
5. **Allahverdiyev A.M.**, “Various Approaches in Immunotherapy of Breast Cancer”, International Congress of Stem Cell and Cellular Therapies, İstanbul,Turkey. 12-14 Apr 2019.

6. **Allahverdiyev A.M**, “Current Approaches Against Leishmaniasis Based on Our Researches”, 2nd International Conference One Health Problems& Solutions, Baku, Azerbaijan. 24-25 May 2019.
7. **Allahverdiyev A.M**, “Stem Cell Technology”, 1st Azerbaijan International Hematology Congress, Baku, Azerbaijan. 22-25 May 2019.
8. **Allahverdiyev A.M**, “Stem Cell and Tissue Engineering”, 1. Genetics ve Biotechnology Conference, Okan University, Istanbul, Turkey. 27 Apr 2019.
9. **Allahverdiyev A.M**, “Stem Cell and Tissue Engineering based Approaches in the Treatment of Diabetic Wounds”, Azerbaijan, Baku, Modern Hospital. 26 Jan 2018.
10. **Allahverdiyev A.M**, “Development of Vaccine Formulations Based on Polymer and Nano Carrier Systems”, 3rd International Congress on Vaccine Science & ISV Supported DNA Vaccine Workshop, Izmir, Turkey. 24-26 May 2018.
11. **Allahverdiyev A.M.**, “New approaches based on polymers and nano-carrier systems in the development of vaccines against leishmaniasis”, IV. TURKISH MEDICAL WORLD CONGRESS, 27-29 October 2017.
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8. Bağirova M., Zorba A.P., **Allahverdiyev A.**, Yıldırım G., Abamor E.Ş. “Production of Polyclonal Antibodies Based on Hybridoma Technology to Create a Diagnostic Kit for Cutaneous Leishmaniasis”, Ege University Faculty of Medicine Vaccine Congress and Workshop, 2015, İzmir.
9. Zorba A.P., Yıldırım G., Bağirova M., **Allahverdiyev A.** “Investigation of the Efficacy of Different Adjuvants in the Production of Polyclonal Antibodies Against L.Tropica Based on Hybridoma Technology ”, Ege University Faculty of Medicine Vaccine Congress and Workshop, 2015, İzmir. (3rd Prize)
10. Zorba A.P., Bağirova M., Köken G.Y., Abamor E.Ş., **Allahverdiyev A.** “Investigation of the Effect of Cryopreservation on Antibody Production of Hybridoma Cells Produced for Use in Diagnosis of Leishmaniasis”, 19th Congress of Parasitology, 2015, Erzurum.
11. **Allahverdiyev A.**, Yıldırım Köken G. , Özyılmaz Ö.A., Zorba A.P., Yılmaz G., Karlığa S., et al., “Optimization of Large-scale Amplification of L.Tropica Parasites to Develop Vaccine Based Surface Molecules Against Leishmaniasis ”, Vaccine Science Congress, 28-30 April 2015, İzmir.

12. Özyılmaz Ö.A., Bağirova M., Abamor E.Ş., **Allahverdiyev A.** “Investigation of the Effectiveness of Different Vaccine Formulations in Macrophage Cell Culture System ”, Ege University Faculty of Medicine Vaccine Science Congress and Workshop, 2015, İzmir.
13. Abamor E.Ş., Bağirova M., Özyılmaz Ö. “The Importance of Long-Term Macrophage Cell Culture System in Developing Vaccine Against Leishmaniasis ”Emrah Şefik Abamor, Özlem Ayşe Özyılmaz, Melahat Bağirova, **Adil Allahverdiyev**, Ege University Faculty of Medicine Vaccine Science Congress and Workshop, 2015.
14. Özyılmaz Ö.A., Bağirova M., Abamor E.Ş., **Allahverdiyev A.** “In Vitro Investigation of the Effectiveness of Vaccine Formulations Containing Soluble Leishmania Antigens and Polyoxidonium Adjuvant on Nitric Oxide Production of Macrophages ”. 19th Congress of Parasitology, 2015, Erzurum.
15. Bağirova M., **Allahverdiyev A.**, Abamor E.Ş., Ullah I., Samseth A. “Effect of Cell Phone Waves on the Growth and Infectivity of Leishmania Infantum In Vitro”, 19th Congress of Parasitology, 2015, Erzurum.
16. Abamor E.Ş., **Allahverdiyev A.**, Bağirova M., Kaya F., Kaya C. “Determination of Antiparasitic Effects of To₂ @ Ag Nanoparticals against L. Infatum Parasites In Vitro” 9th Congress of Parasitology, 2015, Erzurum.
17. **Allahverdiyev A.**, Bağirova M., Ersöz M., “Differentiation of Cord Origin Mesenchymal Stem Cells into Hepatocyte Cells 1., 1st International Congress of Stem Cell and Cellular Therapies, 20-23 March 2014, Kocaeli.
18. **Allahverdiyev A.**, “Basic Approaches Based on Stem Cell Niche in Medicine ”, International Congress of Stem Cell and Cellular Therapies, 20-23 March 2014, Kocaeli.
19. **Allahverdiyev A.**, Özgüven M., Duran N., Çetiner S., Kıprik M., Akan E. “Investigation of the Anticarcinogenic Effect of Essential Oil of Melissa Officinalis L. ”, XI. Turkish Pediatric Oncology Group Congress, 1-8 March 2013, İzmir.
20. İpeksaç T., Kaya F., Kaya C, Abamor E.Ş., Bağirova M, **Allahverdiyev A.** “Synthesis of Anti-Bacterial ZnO Nanotubes for Environmental Applications II, II. R & D Project Market-Energy and Environmental Technologies, 29-30 May 2012, Istanbul.
21. **Allahverdiyev A.**, Bağirova M., Oztel O.N., Ersöz M. , “Cord Donation Need Not Waste Yıldız, Yıldız Technical University Ideas Market, 24-25 May 2011, Istanbul.

22. **Allahverdiyev A.**, Ateş S.C., Bağırova M., “Are You Aware of the Hidden Infection Hazards in Blood Centers? Yıldız, Yıldız Technical University Ideas Market 24-25 May 2011, Istanbul.
23. **Allahverdiyev A.**, Koç R.Ç., Bağırova M., “Application of Toxicity Tests in Cell Cultures Yıldız, Yıldız Technical University, Ideas Market, 24-25 May 2011, Istanbul.
24. **Allahverdiyev A.**, Bağırova M., Yaman S., “Development of Magnetic, Enzymatic and Fluorescence Based Diagnostic Kits Based on Monoclonal Antibodies ”, Yıldız Technical University, Ideas Market, 24-25 May 2011, Istanbul.
25. **Allahverdiyev A.**, Elçiçek S., “Use of Immunostimulant Polymers in Developing Weakened Live Vaccines ”, Yıldız Technical University, Ideas Market, 24-25 May 2011, Istanbul.
26. **Allahverdiyev A.**, Çakır Koç R., Bağırova M., “Application of Toxicity Tests in Cell Cultures Fikirler, Fikir Pazarı, 24-25 May 2011, İstanbul.
27. **Allahverdiyev A.**, Baydar S.Y. , Bağırova M. “Investment in the Future Stem Cell Bank ”, Yıldız Technical University Ideas Market, 24-25 May 2011, Istanbul.
28. **Allahverdiyev A.**, Bağırova M., Yeşilkır Baydar S., Abamor E.Ş. “Determination of toxicities of ZnO Nanoparticles on Different Cell Lines“, 20. National Electron Microscopy Congress, 25-28 October 2011, Antalya.
29. **Allahverdiyev A.**, Yaman S. “Production of Magnetic, Enzymatic and Fluorescence Based Diagnostic Kits Based on Monoclonal Antibodies ”, Fikir Pazarı, 24-25 May 2011, İstanbul.
30. **Allahverdiyev A.**, Çakır K.R. “A New Approach Based on Polymers in Vaccine Development against Leishmaniasis: LPG Polymer Conjugates Fikirler, Ideas Market, 24-25 May 2011, Istanbul.
31. **Allahverdiyev A.**, Ersöz M., Bağırova M., Öztel O.N., İrez T. “Isolation and Characterisation of Mesenchymal Stem Cells from Umbilical Cord”, 1st Annual Congress On Stem Cell Research, September 28 - October 2, 2011, Sakarya.
32. **Allahverdiyev A.**, “Stem Cell Studies in Bioengineering and Its Importance 20., 20th National Electron Microscopy Association, 25-28 October 2011, Antalya.
33. **Allahverdiyev A.**, Volodymyrivna K., Abamor E.Ş., Bağırova M., “Determination of Antibacterial Activity of Five Different Essential Oil on Staphylococcus Aureus and Escherichia Coli”, 20th National Electron Microscopy Congress, 25-28 October 2011, Antalya.

34. **Allahverdiyev A.**, Bağırova M., Çakır Koç R., Elçiçek S., Öztel O.N., Ateş S.C., et al., " The Importance of the Micro Culture Method in the Determination of the Presence of Parasites in Experimental Animal Models Infected with Leishmania Parasites ", 17th National Parasitology Congress, 4-10 September 2011, Kars.
35. **Allahverdiyev A.**, Bağırova M., Abamor E.Ş., "Investigation of the Effects of Metal Oxide Nanoparticles on Parasite Host Cell Interaction ", 17th National Parasitology Congress, 4-10 September 2011, Kars.
36. **Allahverdiyev A.**, Bağırova M., Yeşilkır S., Elçiçek S., Çakır R., Fındıklı N. "The Effect of Metabolites Produced by Leishmania Parasites on Proliferation of Adipose Origin Mesenchymal Stem Cells (ADSC) 16th National Parasitology Congress, 2-6 November 2009, Adana.
37. **Allahverdiyev A.**, Öztel O.N., Çakır Koç R. "Generation of Large-scale Leishmania Parasites: Amplification method 16., 16th National Parasitology Congress, 2-6 November 2009, Adana.
38. Elçiçek S., Bağırova M., **Allahverdiyev A.** "Investigation of Infectivity of L. Infantum Promastigotes Exposed to Polyacrylic Acid to J774 Macrophage Cells 16., 16th National Parasitology Congress, 2-6 November 2009, Adana. (Poster First Prize)
39. **Allahverdiyev A.**, Bağırova M., Abamor E.Ş., Koç R.Ç., Üstündağ C.B., Kaya F., Kaya C. "Gümüş In Vitro Investigation of Antileishmanial Effect of Coatings Containing Nanoparticles Under Visible and UV Light 16., 16th National Parasitology Congress, 2-6 November 2009, Adana.
40. **Allahverdiyev A.**, Bağırova M., Çakır Koç R., Elçiçek S., Novruzova M., Ateş S.C. "Determination of Infectivity in Microbial Cultures with Leishmania Parasite in Long Time Fibroblast Culture", 16th National Parasitology Congress, 1-7 November 2009, Adana.
41. **Allahverdiyev A.**, Son Recent Developments in Vaccine Development against Leishmaniasis ", 16th National Parasitology Congress, 1-7 November 2009, Adana.
42. Koç R.Ç., Bağırova M., **Allahverdiyev A.** "Clinical Importance of Interaction of Some Biotechnologically Important Polymers with In Vitro Leishmania Parasites 16., 16th National Parasitology Congress, 2-6 November 2009, Adana.
43. Miraloğlu M., **Allahverdiyev A.**, Bağırova M. "Flow Cytometric Analysis of Effects of Cryoprotectans on Cell Cycle", Biyomut, 2009, İzmir.

44. Karaca T.D., **Allahverdiyev A.**, Tunç K., Erdemoğlu N., Kupeli E. “In vitro Effects of Nerium oleander Extracts on Human Breast Cancer (MCF-7)”, 18. Meeting of Herbal Drug Raw Materials, 16–18 Ekim 2008, İstanbul.
45. Novruzova M.S., Bagirova M.I., Canim S., Qurbanov, A.M. **Allahverdiyev, A.**, “Investigation of Produce of Immunoglobulins Against Leishmania Parasites in Patient’s Serum Containing Different Infection Immunoglobulins”. 4. National Bioengineering Congress, 15-18 Ekim 2008, İzmir.
46. **Allahverdiyev A.**, Novruzova M., Bağirova M., Ateş S.C., Qurbanov A., “Investigation of Antibody Existence Against Leishmania in Patient Serums Having Different Infection Antibodies”, IV. Ulusal Biyomühendislik Kongresi, 15-18 Ekim 2008, İzmir.
47. Öztel O.N., Elçiçek S., Çakır R., Bağirova M., **Allahverdiyev A.** “Investigation of Usage of Human Derived Wastes as a Support Material for Acquisition of Leishmanial Biomass”, 4. National Bioengineering Congress, 15-18 .ekim 2008, İzmir.
48. Çakır R., Bağirova M., **Allahverdiyev A.** “Investigation of Toxicity of In vitro Cell Culture Based on Molecular Weight and Concentration of Polyacrylic Acid” 4th National Bioengineering Congress, 15-18 Ekim 2008, İzmir.
49. Bağirova M., Çakır R., Ersöz M., **Allahverdiyev A.** “Using of Metabolites of Breast Cancer Cells as a Support Material”, 4.National Bioengineering Congress, 15-18 Ekim 2008, İzmir.
50. Elçiçek S., Bağirova M., Öztel O.N., Çakır R., **Allahverdiyev A.** “Investigation of Effects of Various Tissue Cultures’ Mediums Exposed to Light on Cell Culture”, 4th National Bioengineering Congress , 15-18 Ekim 2008, Izmir.
51. **Allahverdiyev A.** “Recent Developments in Diagnosis of Leishmaniasis”, 15. National Parasitology Congress, 18-23 Kasım 2007, Kayseri.
52. Bağirova M., Cakır R., Ersoz M., **Allahverdiyev A.** “Determination of Development of Leishmania Parasites in Medium Containing Breast Cancer Metabolites”, 15th National Parasitology Congress, 18-23 Kasım 2007, Kayseri.
53. Çakır R., Bağirova M., **Allahverdiyev A.** “Investigation of sensitivity of MTT Method According as the Number of Leishmania Parasites”, 15. National Parasitology Congress 18–23 Kasım 2007, Kayseri.
54. **Allahverdiyev A.**, “Layışmanyozisin Tanısında Duyarlılığı Yüksek Yeni Bir Yöntem“, XXXI. Türk Mikrobiyoloji Kongresi, 19-23 Eylül 2004, Aydın.

55. **Allahverdiyev A. M.**, Uzun S., Bağırova M., Durdu M., Memişoğlu H.R. “Kütanöz Leishmaniasis Tanısında Sensitivesi Yüksek Yeni Bir Yöntem”, 16. Prof. Dr. A. Lütfü Tat Sempozyumu, 31 Ağustos-4 Eylül 2003, Ankara.
56. Abbasoglu U., Dağlıoğlu K., Bağırova M., Tanrıverdi S., **Allahverdiyev A.** “The Experimental Vaginal Models of Mouse”, IY. Cukurova of Dermatology Congress, 30 May -2 Haziran 2002, Adana.
57. **Allahverdiyev A.**, Ozguven M., Duran N., Cetiner S., Kiprik M., Akan E. “The Study of Anti-Cancer Effect Essential Oil of Melissa Officinalis L. In Vitro”, Congress of X1.Turkish Pediatric Oncology Group, 26-29 Nisan 2000, İzmir.
58. **Allahverdiyev A.** “the Basic Principals to Create Of Vaccine in the Tropical Diseases II. National Congress of Tropical Diseases”, 25-29 Eylül 2000, Şanlıurfa.
59. Duran N., **Allahverdiyev A.** “The Role of Bovin Serum Albumin on the Cells Viability of Cryopreserved Hep-2 and Rabbit Kidney Cells” II. National Congress of Tropical Diseases, 25–29 Eylül 2000, Şanlıurfa.
60. Yarkin F, Duran N. **Allahverdiyev A.M.**, Akan E. “The Modificaton Of Reliability Of Membrane Of Membrane Filters On Filtration Devices”, XXYII National Congress of Microbiologist, Mayıs 1996 , Antalya.
61. **Allahverdiyev A.**, Yarkin F., Akan E., Duran N., Koksal F. “The Study Of Some Cell Culture In The Media Containing Metabolites Of Asp.Niger”, XXYII National Congress of Microbiologist, Mayıs 1996, Antalya.
62. Yarkin F, Duran N. **Allahverdiyev A.M.**, Akan E. “The Optimization Of Cell Culture Cryopreservation”, XXYII National Congress of Microbiologist, Mayıs 1996, Antalya.
63. Allahverdiyev A.M., “A New Hope In Diagnosis And Treatment In The Protozoon Infection Connection By Cytokines”, IX National Congress of Parasitology, Ekim 1995, Antalya.
64. **Allahverdiyev A.**, “The Molecular and Biotechnological Approach In Creation Vaccine Against To Malaria”, XII Congress of Medical Days, 1994, Kayseri.
65. Pazarbasi A., Ceber K., Kasap M., **Allahverdiyev A.**, “In Vitro Development of P.Vivax Strains Isolated From Cukurova Region”, International Congress of Parasitology, 10-14 Ekim 1994, İzmir.
66. **Allahverdiyev A.**, Ceber K. et al., “Quantitve Buffy Coat (QBC) Method and Its Modification”, the National Med. Biological Congress, 29-1 Ekim 1994, Antalya.

67. **Allahverdiyev A.**, Aliyeva S.N. “Cultivation of Erythrocytic Form Malarial Parasite in Various Eukaryotic Cells”, 26. Turkish Microbiologists Congress, 1994, Antalya.
68. Aliyeva S.N., **Allahverdiyev A.M.**, Khanmirzoyev F.J. “Preparing of Antigen from the Culture of Erythrocytic Form of Plasmodium Vivax and Usage for IFA”, 12. Gevher Nasip Medicine Days Congress, 1994, Kayseri.
69. **Allahverdiyev A.M.**, “Choose Cryoprotector For Optimal Cryopreservation Of Malarial Parasites”, 8th National Parasitology Congress, 1993, Trabzon.
70. Allahverdiyev A., “Paraziter Hastalıkların Etkenlerinin In vivo ve In vitro Kültürünün Bugünü ve Yarını”, 8. Ulusal Parazitoloji Kongresi, 7-10 Eylül 1993, Trabzon.
71. Kasap M., Allahverdiyev A.M. Kasap H., et al. “The Development of P.Berghei in the Mouse after Transportation”, 8th National Parasitology Congress, 1993, Trabzon.
72. **Allahverdiyev A.M.**, Kasap H., et al., “The Cultivation of Difference Strains Of Erythrocytic Stages P.vivax”, 8th National Parasitology Congress, 1993, Trabzon

Atıflar

Toplam Atıf Sayısı(WOS):688

h-indeksi (WOS):12

TEACHING ACTIVITY

Courses Taught at Yildiz Technical University

Under Graduate Courses

1. Medical-Microbiology
2. Environmental Microbiology
3. Immunology
4. Fiziology
5. Tissue engineering

Post Graduate Courses

1. Stem Cells and Regenerative Medicine
2. Cell Culture Technics
3. Nanomedicine
4. Nanobiotechnology
5. Cryobiology and Cryomedicine
6. Cellular Bioengineering

Doctoral Students Completed

Nihan Aytakin

Topic: ‘Development of New Effective Antibacterials Inspired by Natural Peptide Antibiotics’, 2017

Emrah Sefik Abamor

Topic: Investigation a New Approach Based on Nanoparticle-Polymer Conjugates for Treatment of Cutaneous Leishmaniasis, 2015

Aslı Pınar Zorba

Topic: ‘Development and Effectiveness of Biomaterials Containing Bioactive Molecules for Use in Nerve Injury’ 2018,

Ayça Aksoy

Topic: ‘Investigation of Osteogenic Differentiation Capacities of Bone Marrow-Induced Mesenchymal Stem Cells from Multiple Myeloma Patients.’ Istanbul, 2014

Necati Findikli

Topic: ‘Optimization of Cryopreservation of Human Adipose Tissue and Adipose Derived Mesenchymal Stem Cells For Using Tissue Engineering Application’, 2014

Olga Nehir Oztel

Topic: Cultivation Of Human Olfactory Stem Cells And Investigation Of The Regeneration Effect Of Defected Facial Neural Cells In Vivo,2014

Melike Ersoz

Topic: ‘Optimization of Differentiation of Cord Blood Mesenchymal Stem Cells to Hepatocyte’, 2014

Aliyeva S. H.

Thesis: “Some peculiarities on intraerythrocytic development of three day and tropical malaria pathogens (*P.vivax* and *P.falciparum*) under different conditions of cultivation”. 1995

Ceber K.

Thesis: “Culture of Plasmodium (*P.vivax*, *P.berghei*) rapid detection by indirect fluorescent antibody and modified Quantitative Buffy Coat methods”, 1995

Metanet Nevruzova

Thesis: The comparative evaluation of different methods on microbiological diagnosis of leishmaniasis, 2010

Melahat Bağirova

Thesis: “A New and sensitive micro culture method for diagnosis of Cutaneous and Visseral Leishmaniasis” 2006

Sezen Canim Ates

Topic: Compared Investigation of *Leishmania* Parasites with New Microculture Methods in Donor Blood Samples which are Obtained from Blood Centers in Istanbul ,2012

Rabia Cakir Koc

Topic: “Purification of Lipophosphoglycan from *Leishmania* Parasites and Investigation Of in vivo and in vitro anti-Leishmanial Effectivity of LPG-Polymer Conjugates as Vaccine Model” ,2012

Serhat Elçiçek

Topic: ‘Investigation of *in vivo* and *in vitro* Effectivity of Immunestimulan Polymers with Attenuated *Leishmania* Parasite as Vaccine’, 2013

M. Müge Yazici

Topic: “Development And Application Of Microbial Agents With Bioinsecticidal Activities For Management Of Greenhouse Pests,” İstanbul,”2011

Doctoral Students Presently Supervising

Büşra Akgül

Topic: ‘Development of cell-loaded hybrid scaffolds for use in tissue engineering’, 2019

Sahar Dinparvar

Topic: ‘Development of new vaccine formulations against breast cancer’, 2019

Burçak Yavuz

Topic: ‘Development of Exosome Based Treatment Approaches in Neurodegenerative Diseases’ 2017,

Gölnaz Yıldırım köken

Topic: ‘Development of Formulations Containing Extracellular Vesicles in Leishmaniasis Treatment and Examine their Antileishmanial Efficacy’, 2015

Işıl Kutlutürk Kocagöz

Topic: ‘Development and Efficacy of Alfilbercept Based Nanocarrier Systems for the Treatment of Retinal Diseases’,2015

Emel Hürtürk

Topic: ‘Development of Formulations Containing Various Nanoparticle and Essential Oil Combinations and Investigation of Antimicrobial Effects’, 2015

Kübra Gölebatmaz

Topic: ‘Generation of Monoclonal Antibody Against GP63 Protein of L. infantum in Diagnosis of Visceral Leishmaniasis and Determination of Diagnostic Value’, 2016

Masters Students Completed

Sahar Dinparvar

Topic: ‘Development and characterization of polycaprolactone based nanoparticulate carrier systems and investigation of their in vitro efficacy on breast cancer stem cells’,2018

Gamze Tari

Topic: ‘Investigation of the immunostimulatory effect of human dendritic cells induced by formulations containing human breast cancer cell lysate and different adjuvants on T lymphocytes’,2018

Gizem Coşar

Topic: ‘Development of Graphene-Poly (Caprolactone) Based 3D Cell Culture Model of Nasal Stem Cells for Use in Neural Tissue Engineering’,2017

Hilal Şentürk

Topic: ‘Large Scale Production and Purification of Monoclonal Antibodies Based on Hybridoma Technology Against LPG Molecule Isolated from Cutaneous Leishmaniasis Agent L.Tropica’, **2017**

Aslı Pınar Zorba

Topic: Generation of Antibodies Based on Hybridoma Technology for Diagnosis Against Immunogen Molecules Obtained from Leishmania Tropica Parasites. 2015

Hilal Toptaş

Topic: ‘Investigation of Interaction Between Mesenchymal Stem Cells and Poly (Caprolactone) Scaffold for Use in Cartilage Tissue Engineering and Development of 3D Tissue Model’, 2014

Gökçe Ünal

Topic: ‘Investigation of Helicobacter Pylori in Classical Culture and Micro Culture Methods in Isolation and Preparation of Antigen from Culture for Serological Diagnosis’, 2013

Nedim Bozkurt

Topic: “Comparison of three-phase bone scintigraphy and Tc-99m ciprofloxacin scintigraphy in hip and knee infection used in nuclear medicine and quality control of radiopharmaceuticals”

2011

Olga Nehir Oztel

Thesis: Investigation of Factors Affecting on Human Umbilical Cord Blood and Peripheral Blood Derived Mesenchymal Stem Cell Adaptation *in vitro* **2010**

Emrah Sefik Abamor

Thesis: “Determination of Antileishmanial Effects of Silver(Ag) and Titanium Dioxide- (TiO₂)Nanoparticles on *L.tropica* Parasites, Agents of Cutaneous Leishmaniasis” , **2009**

M. Muge Yazici

Thesis: Development of New Nanostructure Surface based on Surface Plasmon Raman Scattering for Diagnosis of Microorganism,**2008**

Rabia Cakir

Thesis: Development of New Culture Method for Investigation Toxicity of Biopolymers,**2008**

Tuğçe Deniz Karaca

Thesis: “Investigation of Anti-carcinogenic Effect of Several Synthetic and Herbal Compounds on Human Breast Cancer Cell Culture “ **2008**

Oznur Uyanık, Thesis: ‘The comparison of antiviral activates of antiherpetic Drugs and Plants Extraction in *Herpes* Infection, 2000

Masters Students Supervised as Committee Member

Murat Ihlamur

Thesis: ‘Generation of Polyclonal Antibodies Based on Hybridoma Technology Against Breast Cancer Cell Line AU-565’ 2019

Bükre Kıran

2018

Thesis: ‘Development of Nanoparticulate Vaccine Formulations against *Helicobacter Pylori*’

Elif Gençay

2017

Thesis: Investigation of the Efficacy of Stem Cell and Stem Cell Induced Compounds in Healing Diabetic Wounds

Umut Oğluoğlu

2017

Thesis: ‘Development and Investigation of the New Nanoformulations Containing Natural Antigen Molecules in Immunotherapy of Visceral Leishmaniasis’

Kübra Ünal

2018

Thesis: ‘Development of New Approaches Based on Stem Cells and Extracellular Vesicles in the Treatment of Wounds Caused by Leishmania Parasites’,

RESEARCH ACTIVITY

Sponsored Research Contracts and Grants

A. Current Projects

Development of Polycaprolactone Based Nanoparticulate Carrier Systems Containing Immunochemotherapeutic Agents Against Visceral Leishmaniasis ”

Lead: Emrah Şefik Abamor

Advisor: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: TÜBİTAK, 1003 Project 216S612

Funding Period: 2018 – 2020

Project Budget: 750.000 TL

SCIENTIFIC RESEARCH PROJECTS COORDINATORSHIP

“In vitro / In vivo Investigation of Therapeutic Efficacy of Exosomes from Different Sources in the Treatment of Diabetic and Cutaneous Wounds”

Researcher: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: scientific research projects coordinatorship, YTU, BAP

Funding Period: 2019-2020

Status: Continues

“Development of Aflibercept Based Nanocarrier Systems for the Treatment of Retinal Diseases and Invitro Investigation”

Lead: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: scientific research projects coordinatorship, YTU, BAP

Funding Period: 2018-2020

Status: Continues

“Production of Polyclonal Antibodies Based on Hybridoma Technology for Diagnosis Against Different Strains of Human Breast Cancer”

Lead: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: scientific research projects coordinatorship, YTU, BAP

Funding Period: 2018-2020

Status: Continues

B. Applied Projects

“Production of Large Scale Antigen Carrier Polymeric Nanoparticles Against Leishmaniasis and Completion of Clinical Trial”

Lead: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: TÜSEB

Application date: 2019

Status: in evaluation stage

“Establishment of Modern Vaccine Development Center within Yıldız Technical University”

Co-Lead: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: T.C. CUMHURBAŞKANLIĞI STRATEJİ VE BÜTÇE BAŞKANLIĞI. 2019

Status: in evaluation stage

“Determination of the efficacy of usnic acid coated nanoparticles in the treatment of leishmania”

Researcher: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: TÜSEB

Status: in application stage, 2019

International Collaboration Projects:

“Production of Monoclonal Antibodies Against L.infantum GP63 Protein for diagnosis of Visceral Leishmania and Determination of Value of diagnosis - Turkey Uzbekistan collaboration Project”

Lead: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: TÜSEB

Status: in application stage, 2019

Development of A New, Rapid and Effective Method Based On Micro Culture For Detecting The Resistance Against Antileishmanial Drugs in Patients with Leishmaniasis

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: TUBITAK (SUNY Stony Brooke State University Collaboration)

Funding Period: -

Project Budget: 224.586,00 TL (approximately \$ 115.000)

Development of A New Approach Based on Nanoparticle-Polymer Conjugates in Treatment of Cutaneous Leishmaniasis

Lead: Ass. Prof. Melahat Bağirova

Advisor: Prof. Dr. Adil Allahverdiyev

Funding Source: TUBITAK (EVRENA Project)

Funding Period: -

Project Budget: 300.000,00 TL (approximately \$ 150.000)

C. Completed Projects

“Development of Monoclonal Antibody Technology-Based Diagnostic Kit against Lipophosphoglycan Molecules Isolated from L. tropica Causing Cutaneous Leishmaniasis”,

Coordinator: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: T. C. MINISTRY OF INDUSTRY, STZ-2013-0254 nolu SANTEZ Projesi

Funding Period: 2014 – 2016

“Development of Nanoparticle Based Vaccine Formulations Against Visceral Leishmaniasis Caused by *L. Infantum* and Determination of Protective Effects”

Advisor: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: TÜBİTAK, Project No: 213S148

Funding Period: 2014 – 2017

Status: Completed

“In Vitro Investigation And Characterization Of Polycaprolactone Based Nanoparticulate Carrier Systems And The Effectiveness Against Breast Cancer Stem Cells”

Lead: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: scientific research projects coordinatorship, YTU, BAP

Funding Period: 2017-2019

Status: Completed

“Investigation of Immunostimulant Efficacy of Dendritic Cells Induced by Formulations Containing Human Breast Cancer Cell Lysate and Various Adjuvants on T Lymphocytes”

Lead: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: scientific research projects coordinatorship, YTU, BAP

Funding Period: 2016-2019

Status: Completed

“Continuous Culture of *H. Pylori*, the Main Pathogen of Gastric Cancer, Isolation, Purification of Urease Antigen and Making of ELISA Diagnostic Kit”

Researcher: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: scientific research projects coordinatorship, YTU, BAP

Funding Period: 2012-2015

Status: Completed

"The comparative study of anticancerogen efficacies of different medicinal plant extracts and their green synthesized nanoparticles and development of a cost-effective approach in treatment of breast cancer".

Advisor: Prof. Dr. Adil. M. Allahverdiyev

Funding Source: TÜBİTAK 2216–Research Fellowship Programme For International Researchers, 2015

Processing and Characterisation of Antimicrobial Alumina (Al₂O₃) Ceramics by Electrophoretic Deposition and Extrusion Techniques Using Hydrothermally Synthesised Nano-powders

Lead: Doç. Dr. Cengiz Kaya

Advisor: Prof. Dr. Adil Allahverdiyev

Funding Source: Yildiz Technical University, Scintific Projects Foundation

Funding Period: 09/2011-09/2013

Project Budget: 70.000,00 TL (approximately \$ 35.000)

Development of Cell Culture Models on Determination of Metallic Nanoparticles' Toxicity

Lead: Ass. Prof. Melahat Bağirova

Advisor: Prof. Dr. Adil Allahverdiyev

Researchers: M. Sc. Serap Yeşilkır Baydar, M. Sc. Emrah Şefik Abamor

Funding Source: Yildiz Technical University, Scintific Projects Foundation

Funding Period: 09/2011-09/2013

Project Budget: 24,563.00 TL (approximately \$ 12.000)

Investigation Of Suitability Of Electrospun Polyethylene Terephthalate (PET) Nanosurfaces For Scaffold Applications

Lead: Prof. Dr. Aslı HOCKENBERGER

Advisor: Prof. Dr. Adil Allahverdiyev

Funding Source: TÜBİTAK TBAG (Project no: 110M793)

Funding Period: 01/2011-01/2013

Project Budget: 247.781,00 TL (approximately \$120.00)

Processing And Characterisation Of Anti-Viral/Bacterial Nano-Structured Coatings On 3-D Metallic Filters Using Electrophoretic Deposition

Lead: Doç. Dr. Cengiz Kaya

Advisor: Prof. Dr. Adil Allahverdiyev

Funding Source: TÜBİTAK COS (Project No: 109R007)

Funding Period: 11/2009 - 11/2012

Project Budget: 375.000,00 TL (approximately \$ 150.000,00)

Compared Investigation of *Leishmania* Parasites with New Micro Culture Method and Some Other Methods in Donor Blood Samples Which Are Obtained From Centers in Istanbul

Lead: Ass. Prof. Melahat Bağirova,

Advisor: Prof. Dr. Adil Allahverdiyev

Funding Source: Yildiz Technical University, Scintific Projects Foundition (Proje no: 29-04-04-02)

Funding Period: 01/2011-01/2013

Project Budget: 20.000,00 TL (approximately \$ 10.000)

Isolation of Human Cord Blood-Derived Mesenchymal Stem Cells and Investigation of New Factors that Affects the and Differentiation to Various Cells

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: Yildiz Technical University, Scintific Projects Foundition (Project No: 010-07-04-DOP01)

Funding Period: 2010-2012

Project Budget: 14.996,88 TL (approximately \$ 7.000)

“

A Novel Approach Based On Polymers, For Improving Vaccine Against To Leishmaniasis: LPG-Polymer Conjugates”

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: TÜBİTAK Health Sciences Research Group project no 1001, Project No: 1085170, (SBGA-4007)

Funding Period: 09/2008-09/2011

Project Budget: 270.000,00 TL (approximately \$ 150.000)

Biomedical Materials and Artificial Tissueses

Lead: Prof. Dr. Mustafa Akdeste

Researcher: Prof. Dr. Adil ALLAHVERDİYEV

Funding Source: Government Planning Organisation (Umbrella Project, Project No: 25-DPT-07-04-01

Funding Period: 2004-2007

Project Budget: 10.000.000,00 TL (approximately \$ 8.000.000)

Micro Cultur Method for Visseral Leishmaniasis Diagnosis and Comparing With Classic Methods

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: Cukurova University Scientific Foundation

Funding Period: 2004-2005

Project Budget: 8.000, TL (approximately \$ 7.000)

“Comparation of Classic Methods for Cutaneous *Leishmaniasis* Diagnosis and Development of a New Sensitive Culture Method”

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: Cukurova University Scientific Foundation

Funding Period: 2003-2005

Project Budget: 8.000, TL (approximately \$ 7.000)

“Epidemiological Analysis of Leishmania spp. (Cutaneous and Visceral) in Cukurova Region And Identification Of Leishmania Parasites”

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: Government Planning Organisation

Funding Period: 2004

Project Budget: 8.000, TL (approximately \$ 7.000)

Biological Features Of Isolated *Leishmania Spp.* From Cutaneous Leishmaniasis People And Directing Of These People For Therapy With Comparing Their Immunologic And Clinic Specialities

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: Cukurova University Scientific Foundation

Funding Period: 2003-2004

Project Budget: 8.000, TL (approximately \$ 7.000)

Investigation of several factors on amastigote like of Leishmania in culture

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: Cukurova University Scientific Foundation (Project No: THAUM 2002 BAP1)

Funding Period: 2002-2003

Project Budget: 8.000, TL (approximately \$ 7.000)

Identification of Leishmania Species in Cukurova Region

Lead: Prof. Dr. Adil Allahverdiyev

Funding Source: Cukurova University Scientific Foundation (Project No: TF 2003 BAP8)

Funding Period: 2003-2005

Project Budget: 8.000, TL (approximately \$ 7.000)

Incentives and Awards

Professor Dr. Adil M. Allahverdiyev is an Adjunct Professor at Stony Brook University. Since 2019 he is selected as a member of vaccine science committee by Turkey presidency of health institutes. He won the following awards for his previous researches.

Institution	Title	Year
Ege University	26-28 May 2018 , Gamze Tari, Sahar Dinparvar, Melahat Bagirova, Emrah Sefik Abamor, Adil M.Allahverdiyev. In Vitro Investigation Of The Immunostimulatory Effects Of Breast Cancer Cell Lysate And Different Adjuvants on the Macrophage Cells. 2. International Vaccine Science Congress & ISV Supported DNA Vaccine Workshop, Izmir. Poster presentation was awarded First Prize	2018

Yıldız Technical University Rectorate	Due to his contributions to the scientific development of Yıldız Technical University with his doctoral thesis completed under his consultancy in the 2014-2015 academic year.	2015
Ege University and Association of Vaccine Science	28-30 Apr 2015, "Investigation of the Efficacy of Different Adjuvants in the Production of Polyclonal Antibodies Against <i>L. Tropica</i> Based on Hybridoma Technology" titled presentation was awarded the Third Prize in Vaccine Science Congress and Workshop Ege at Ege University.	2015
Society of Otorhinolaryngology and Head & Neck Surgery	"Application of human olfactory region neural stem cells in damaged rat facial nerve reconstruction" titled work was awarded the First Prize.	2013
Yıldız Technical University	Due to his valuable contributions to Yıldız Technical University and the scientific world , 2nd among the most publications Professors	2012
16th National Parasitology Congress	2-6 Nov 2009, Serhat Elçiçek, Melahat Bağirova, Adil M. Allahverdiyev "Investigation of Infectivity of <i>L. infantum</i> Promastigote S Exposed to Polyacrylic Acid to J774 Macrophage Cells" titled presentation was awarded the first prize	2009
Eurasian Infectious Diseases Congress	1-4 Oct 2009, A. M. Allahverdiyev, M. Bağirova, S. Yeşilkır, S. Elçiçek, R. Çakır, N. Fındıklı. Eurasia Congress of Infectious Diseases (EACID) , Bakü, Adipose-derived stem cells (ADSCs) as a new host cell of <i>Leishmania</i> parasites titled presentation was awarded second prize	2009

International Rotary Club Adana Branch	2006 , A new, more precise, more specific, faster and more economical method of microculture developed for the first time in the World awarded Vocational Service Award by International Rotary Club Adana Branch	2006
Sechenov Medical Academy, Martinovski Institute for Medical Parasitology and Tropical Diseases	Awarded 1st Prize in the useful module competition	1986
Sechenov Medical Academy, Martinovski Institute for Medical Parasitology and Tropical Diseases	Best patent ownership award	1988
Sechenov Tıp Akademisi, Marsinovski Tıbbi Parazitoloji ve Tropikal Hastalıklar Araştırma Enstitüsü	Patent Support Award	1987

Critics in Scientific Journals

1. PLoS One
2. Nanomedicine: Nanotechnology, Biology, and Medicine
3. Journal of Tropical Medicine
4. Experimental Parasitology
5. Nanomedicine

6.	American Journal of Tropical Medicine & Hygiene
7.	Turkish Journal of Veterinary and Animal Sciences
8.	The Open Biotechnology Journal
9.	Pathogens and Global Health
10.	Kafkas University Journal of Veterinary Medicine
11.	Biotechnology Progress

Broadcasting Memberships

1.	Adjunct Prof. of Stony Brook University, NY, US
2.	The Open Tropical Medicine Journal, Open Tropical Medicine Letters, Open Tropical Medicine Reviews- Editorial Board Member - Bentham Science Publishers- Editorial Board Membership (2007-)
3.	International Medical Journal for Experimental and Clinical Research, USA- Expert (2006-)
4.	Turkish Journal of Hygiene and Experimental Biology Consultant (2007-)
5.	Member of Advisor Board of Journal of Microbiology and Immunology Bakû, Azerbaijan R. (2007-)
6.	Member of Advisor Board of J. Health Scientific (Bakû, Azerbaijan R. 1994 -)
7.	Editorial Board of Hayat journal of Azerbaijan Academy of Sciences