

**ACADEMIC
CURRICULUM VITAE**

1. Name - Surname: GOKCE AKAN

2. Title: Dr/Phd

3. Educational Background: Dr/PhD

Degree	Department/Program	University	Year
Bachelor's	Molecular Biology and Genetics	Istanbul University	2005
Master's	Medical Biology and Genetics	Istanbul Bilim University	2012
PhD	Biochemistry and Molecular Genetics	Muhimbili University of Health and Allied Sciences	2020

4. Master's / PhD Thesis

4.1. Master's Thesis Title and Thesis Advisor(s):

"The 11 β HSD-1 And PAI-1 Gene Expression Analysis In Liver And Visceral Fat Tissues Of Metabolic Syndrome Rats"

Prof. Dr. Tuncay Altug

4.2. PhD Thesis / Medical Specialty Thesis Title and Advisor(s):

"Investigation of 9p21.3 Region in African Tanzanian Coronary Artery Disease Patients"

Prof. Dr. Fatmahan Atalar

5. Academic Titles:

Date of Assistant Professorship:

Date of Associate Professorship:

Date of Professorship:

6. Supervised Master's and PhD Theses:

6.1. Master's Theses

1. Association between vitamin D receptor gene polymorphisms and COVID-19 causing SARS-CoV-2 Delta variant
2. Association between PAI-1 4G/5G polymorphism and COVID-19 patients who infected with different SARS-CoV-2 variants
3. Investigation of Methionine Metabolism in Liver of Streptozotocin-Induced Diabetic Rats.

6.2. PhD Theses

1. The associations of Angiotensin-converting enzymes (ACE1, ACE2) gene polymorphisms and expression levels in COVID-19 patients.

7. Publications

7.1. Articles Published in International Peer-Reviewed Journals (SCI,SSCI, AHCI, ESCI, Scopus)

1. D Tekcan, F Başı, F Atalar, BK Aydın, G Akan, T Tarhan, R Bundak, F Darendeliler. No Effect of the IGF-1 Gene rs35767 and rs17032362 Polymorphisms in the Etiology of Idiopathic Short Stature. *Exp Clin Endocrinol Diabetes*. 2012 Jul;120(7):395-400.
2. F Atalar, S Gormez, B Caynak, G Akan, G Tanriverdi, S Bilgic-Gazioglu, D Gunay, C Duran, B Akpınar, U Ozbek, AS Buyukdevrim, Z Yazıcı. Mediastinal adipose tissue expresses a pathogenic profile of 11 β - hydroxysteroid dehydrogenase type 1, glucocorticoid receptor and CD68 in patients with coronary artery disease. *Cardiovasc Pathol*, 2012 Sep 3.
3. F. Atalar, B. Vural, C. Ciftci, A. Demirkan, G. Akan, B. Susleyici–Duman, D. Gunay, B. Akpınar, E. Sagbas, U. Ozbek and A.S. Buyukdevrim. 11 β -hydroxysteroid dehydrogenase type 1 gene expression is increased in ascending aorta tissue of metabolic syndrome patients with coronary artery disease. *Genetics and Molecular Research* 11 (3): 3122-3132 (2012).
4. F Atalar, S Gormez, B Caynak, G Akan, G Tanriverdi, S Bilgic-Gazioglu, D Gunay, C Duran, B Akpınar, U Ozbek, AS Buyukdevrim, Z Yazıcı. The role of mediastinal adipose tissue 11 β -hydroxysteroid dehydrogenase type 1 and glucocorticoid receptor expressions in the development of coronary atherosclerosis in obese patients with coronary artery disease;

- correlation with fatty acid content-a case control study. *Cardiovascular Diabetology* 2012, 11:115.
5. Cengiz P, Bas F, Atalar F, Ucar A, Darendeliler F, Akan G, Tarhan T, Bundak R. Growth Hormone/Insulin-like Growth Factor-1 Axis as Related to Body Mass Index in Patients with Idiopathic Short Stature. *J Clin Res Pediatr Endocrinol.* 2013 Feb 19. doi: 10.4274/JCRPE.901.
 6. Haytural H, Yalcinkaya N, Akan G, Arikan S, Ozkok E, Cakmakoglu B, Yaylim I, Aydin M, Atalar F. Identification of a Novel BRCA2 and CHEK2 A-C-G-C Haplotype in Turkish Patients Affected with Breast Cancer. *Asian Pac J Cancer Prev.*2013;14(5):3229-35.
 7. Erdem M, Tekiner TA, Fejzullahu A, Akan G, Anak S, Saribeyoglu ET, Ozbek U, Atalar F. herg1b Expression as a Potential Specific Marker in Pediatric Acute Myeloid Leukemia Patients with HERG 897K/K Genotype. *Pediatr Hematol Oncol.* 2014 Sep 23.
 8. Bilgic Gazioglu S, Akan G, Atalar F, Erten G. PAI-1 and TNF- α profiles of adipose tissue in obese cardiovascular disease patients. *Int J Clin Exp Pathol.* 2015 Dec 1;8(12):15919-25.
 9. Akan G, Kisenge P, Sanga T.S, Mbugi E, Adolf I, Turkcan M.K, Janabi M and Atalar F. Common SNP-Based Haplotype Analysis of the 9p21.3 Gene Locus as Predictor Coronary Artery Disease in Tanzanian Population. *Cell Mol Biol (Noisy-le-grand).* 2019 Jul 31;65(6):33-43. doi.org/10.14715/cmb/2019.65.6.7
 10. Adolf IC, Akan G, Mselle TF, Dharsee N, Namkinga LA, Atalar F. Implication of Soluble HLA-G and HLA-G +3142G/C Polymorphism in Breast Cancer Patients Receiving Adjuvant Therapy in Tanzania. *Asian Pac J Cancer Prev.* 2019 Nov 1;20(11):3465-3472. doi: 10.31557/APJCP.2019.20.11.3465.
 11. Gormez S, Erdim R, Akan G, Caynak B, Duran C, Gunay D, Sozer V, Atalar F. Relationships between visceral/subcutaneous adipose tissue FABP4 expression and coronary atherosclerosis in patients with metabolic syndrome. *Cardiovasc Pathol.* 2019 Dec 6;46:107192. doi: 10.1016/j.carpath.2019.107192.
 12. Görmez S, Erel Kırıçoğlu C, Ekicibaşı ME, Değirmencioğlu A, Paudel A, Akan G, Atalar F, Sarigüzel N, Pamukçu B. Comparison of hypertension prevalence and the use of renin-angiotensin-aldosterone system blockers in hospitalized patients with COVID-19 and non-COVID-19 viral pneumonia. *Turk Kardiyol Dern Ars.* 2021 Jun;49(4):286-292. doi: 10.5543/tkda.2021.87750.
 13. Gormez S, Gumusel HK, Ekicibasi E, Degirmencioglu A, Paudel A, Akan G, Atalar F, Erdim R, Eroglu E, Dagdelen S, Sariguzel N, Kirisoglu CE, Pamukcu B. Impact of proactive low-molecular weight heparin therapy on outcomes in COVID-1. *Bratisl Lek Listy.* 2021;122(8):582-589. doi: 10.4149/BLL_2021_093

14. Adolf IC, Almars A, Dharsee N, Mselle T, Akan G, Nguma IJ, Nateri AS, Atalar F, HLA-G and single nucleotide polymorphism (SNP) associations with cancer in African populations: Implications in personal medicine, *Genes & Diseases*, 2021,ISSN 2352-3042,doi.org/10.1016/j.gendis.2021.06.004.
15. Rweyemamu LP, Akan G, Adolf IC, Magorosa EP, Mosha IJ, Dharsee N, Namkinga LA, Lyantagaye SL, Nateri AS, Atalar F. The distribution of reproductive risk factors disclosed the heterogeneity of receptor-defined breast cancer subtypes among Tanzanian women. *BMC Womens Health*. 2021 Dec 20;21(1):423. doi: 10.1186/s12905-021-01536-6.
16. Adolf IC, Rweyemamu LP, Akan G, Mselle TF, Dharsee N, Namkinga LA, Lyantagaye SL, Atalar F. The interplay between XPG-Asp1104His polymorphism and reproductive risk factors elevates risk of breast cancer in Tanzanian women: A multiple interaction analysis. *Cancer Med*. 2022 Jun 12. doi: 10.1002/cam4.4914.
17. Rweyemamu LP, Gültaşlar BK, Akan G, Dharsee N, Namkinga LA, Lyantagaye SL, Yazıcı H, Atalar F. Breast cancer in East Africa: Prevalence and spectrum of germline SNV/indel and CNVs in BRCA1 and BRCA2 genes among breast cancer patients in Tanzania. *Cancer Med*. 2023 Feb;12(3):3395-3409. doi: 10.1002/cam4.5091.
18. Ergoren MC, Akan G, Volkan E, Kandemis E, Evren EU, Evren H, Volkan E, Tuncel G, Suer K, Sanlıdag T. The "vaccine" hubbub: Viral load comparisons of SARS-CoV-2 Delta and Omicron variants against different vaccine-booster vaccine combinations. *J Med Virol*. 2023 Jan;95(1):e28309. doi: 10.1002/jmv.28309.
19. Ergoren MC, Komurcu K, Tuncel G, Akan G, Ozverel CS, Dalkan C, Kalayci M, Sanlıdag T. Impact of SARS-CoV-2 Delta and Omicron variants on viral burden and cycle threshold in BNT162b2-vaccinated 12-18 years group. *Braz J Microbiol*. 2022 Dec;53(4):1937-1940. doi: 10.1007/s42770-022-00820-3.
20. Mamurova B, Akan G, Mogol E, Turgay A, Tuncel G, Evren EU, Evren H, Suer K, Sanlıdag T, Ergoren MC. Strong Association between Vitamin D Receptor Gene and Severe Acute Respiratory Syndrome coronavirus 2 Infectious Variants. *Glob Med Genet*. 2023 Feb 16;10(1):27-33. doi: 10.1055/s-0043-1761924.
21. Curukoglu A, Gungor GCA, Akan G, Kukner A, Ogutcu G, Kalayci M, Temizel M, Ozgencil FE. The effect of cold atmospheric plasma (NO) alone and in combination with NPH insulin on the full-thickness excisional wound healing in a diabetic rat model. *Vet Med (Praha)*. 2023 Apr 28;68(4):152-163. doi: 10.17221/109/2022-VETMED.
22. Tatlıcioğlu G, Çürükoğlu A, Akan G, Yeşilovalı G, Öğütçü G, Aktaş R, Kükner A, Temizel M, Saritaş ZK, Özgencil FE. Effect of cold atmospheric plasma/NO gas application with

different exposure times on healing in wounds with tissue loss in diabetic rats. *Pol J Vet Sci.* 2023 Sep 20;26(3):441-447. doi: 10.24425/pjvs.2023.145051.

23. Ergoren MC, Akan G, Guler E, Tuncel G, Akovalı D, Evren EU, Evren H, Suer HK, Sanlidag T. Sex and ABO Blood Differences in SARS-CoV-2 Infection Susceptibility. *Glob Med Genet.* 2023 Jan 30;10(1):22-26. doi: 10.1055/s-0043-1761202.
24. Hoti Q, Akan G, Tuncel G, Evren EU, Evren H, Suer K, Sanlidag T, Ergoren MC. Altered expression levels of TAS1R2 and TAS1R3 genes among SARS-CoV-2 variants of concerns. *Mol Biol Rep.* 2023 Nov;50(11):9343-9351. doi: 10.1007/s11033-023-08893-5.
25. Akan G, Nyawawa E, Nyangasa B, Turkcan MK, Mbugi E, Janabi M, Atalar F. Severity of coronary artery disease is associated with diminished circANRIL expression: A possible blood based transcriptional biomarker in East Africa. *J Cell Mol Med.* 2023 Dec 27. doi: 10.1111/jcmm.18093.

7.2. Articles Published in Other International Peer-Reviewed Journals

1. Akan G, Kisenge P, Sanga T.S, Mbugi E, Turkcan M.K, Janabi M and Atalar F. Intronic variants in the long non-coding RNA CDKN2B-AS1 are strongly associated with the risk of coronary artery disease in the Northern Tribes of Tanzania. *Tanzan J Health Res.* April 2019; 21: 1-14. doi.org/10.4314/thrb.v21i1.3
2. Rweyemamu LP, Akan G, Mbotwa CH, Dharsee N, Namkinga LA, Lyantagaye SL, Mselle T, Atalar F. Absence of Germline BRCA1 c.68_69delAG and c.5266dupC Mutations among Hormone Receptor-negative Breast Cancer Patients: A First Impression at a Tertiary Cancer-care Facility in Tanzania. *Tanzania Journal of Science.* 2021, 1859-1869, doi: 10.4314/tjs.v47i5.27.

7.3. Papers Presented at International Scientific Conferences and Published in Conference

Proceedings

3. Akan G, Kisenge P, Sanga T.S, Mbugi E, Turkcan M.K, Janabi M and Atalar F. Intronic variants in the long non-coding RNA CDKN2B-AS1 are strongly associated with the risk of coronary artery disease in the Northern Tribes of Tanzania. *Tanzan J Health Res.* April 2019; 21: 1-14. doi.org/10.4314/thrb.v21i1.3
4. Rweyemamu LP, Akan G, Mbotwa CH, Dharsee N, Namkinga LA, Lyantagaye SL, Mselle T, Atalar F. Absence of Germline BRCA1 c.68_69delAG and c.5266dupC Mutations among

Hormone Receptor-negative Breast Cancer Patients: A First Impression at a Tertiary Cancer-care Facility in Tanzania. Tanzania Journal of Science. 2021, 1859-1869, doi: 10.4314/tjs.v47i5.27.

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1. Atalar F., Bilgiç S., Akan G, Demirkan A., Çaynak B., Sağbaşı E., Duran C., Günay D., Hergun S., Karabay C., Akpınar B., Ozbek U. ve Büyükdevrim S.; 'The critical roles of STAMP2 and proinflammatory factor CD68 in Cardiometabolic Syndrome-Comparison of genomic findings with clinical and phenotypic parameters.' 3rd ESF Conference on Functional Genomics and Diseases Oct 1-4 2008
2. Atalar F., Bas F., Akan G, Tarhan T., Darendeliler F., Aydın B., Bundak R., Saka N., Gunoz H.; 'Leptin, Leptin Receptor, MC4R, PPAR gamma and Osteopontin gene polymorphisms in obese and overweight children.' 49th Annual Meeting of the European Society for Paediatric Endocrinology, 22-25 September 2010
3. Cengiz P., Bas F., Bundak R., Atalar F., Darendeliler F., Aydın B., Akan G, Tarhan T., Saka N., Gunoz H.; 'Expression of IGF-1, IGFBP3, IGF-1R genes in Idiopathic short stature.' 49th Annual Meeting of the European Society for Paediatric Endocrinology 22-25 September 2010
4. Bas F., Atalar F., Darendeliler F., Tarhan T., Akan G, Aydın B., Bundak R., Saka N., Gunoz H.; 'Correlation of leptin, leptin receptor gene polymorphism and expression with insulin resistance in congenital adrenal hyperplasia(CAH).' 49th Annual Meeting of the European Society for Paediatric Endocrinology 22-25 September, 2010.
5. Akan G, Ozgen O., Acuner T., Oncu F., Yesilbursa D., Turkcan S., Atalar F.; 'Altered expression of Peroxysome proliferator-activated receptor Gamma 2 and serum leptin levels in schizophrenia.' European Human Genetics Conference (ESHG); 28 -31 Mayıs 2011; Amsterdam RAI, The Netherlands
6. Atalar F., Acuner T.T., Colak A., Akan G, Tekiner T.A., Oncu F. Yesilbursa, D., Turkcan S.; 'Gene Expression of HERG1, HERG2, HERG3 Isoforms in Peripheral Blood Mononuclear Cells of Schizophrenia Patients' 3rd. European Conference on Schizophrenia Research-Facts and Visions O-06-003, European Archives of Psychiatry & Clinical Neuroscience Germany, 2011

7. Atalar F., Bas F., Akan G, Tarhan T., Darendeliler F., R Bundak., Saka N., Gunoz H.; 'The Crosstalk Between the Insulin-Like Growth Factor (IGF)-IGF Binding Proteins Axis and Leptin: Differential Impact of Childhood Obesity in IGF-1, IGFBP-3 and Leptin', European Society For Paediatric Endocrinology (ESPE) Scotland, 2011, P2-d1-553, Hormone Research in Paediatrics, 76(2), 173.
8. Atalar F., Bas F., Tarhan T., Akan G, Darendeliler F., Bundak R., Saka N., Gunoz H.; 'PPAR Gamma Gene Expression is Positively Correlated with Leptin and MC4R Expressions in Congenital Adrenal Hyperplasia' 50th Annual Meeting of the European Society of Pediatric Endocrinology (ESPE) Scotland, 2011., P1-d1-172, 51, Hormone Research in Paediatrics, 76 (2).
9. Tekcan D., Bas F., Atalar F., Akan G, Tarhan T., Darendeliler F.; 'IGF-1 and IGFBP-3 Levels and Distribution of IGF-1 Gene Polymorphisms in Idiopathic Short Stature.', European Society For Paediatric Endocrinology (ESPE) Scotland, 2011,P2-d3-694, Hormone Research in Paediatrics, 76(2), 217.
10. Colak A., Akan G, Oncu F., Yesilbursa D.,Turkcan S., Atalar F.; 'The Combinatory Effect of KCNH2/HERG1 K897T and DIO2 THR92ALA in the Susceptibility to Schizophrenia', Molecular Immunology & Immunogenetics Congress, 2012.
11. Akan G, Gormez S., Caynak B., Yazıcı Z., Gunay D., Duran C., Akpınar B., Ozbek U., Buyukdevrim AS., Atalar F.; 'Abberant Expression of the Obesity Hormone Leptin and It's Receptor in Epicardial Adipose Tissue of Obese and CAD Patients', Molecular Immunology & Immunogenetics Congress, 2012.
12. Colak A., Akan G, Oncu F., Yanbay S., Acar S., Yesilbursa D., Turkcan S., Atalar F. "Association Study of the DIO2 Gene as a Susceptibility Candidate for Schizophrenia in the Turkish population; a Case-Control Study." 21st European Congress of Psychiatry (EPA) Nice, France, 6-9 April 2013. Abstract will publish in Elsevier-European Psychiatry as a special supplement.
13. Akan G, Ozgen O., Colak A., Acar S., Oncu F., Yesilbursa D., Turkcan S., Atalar F. " Expression of Obesity Related Genes and Leptin Serum Levels are Decreased in Turkish Schizophrenia Patients, Case-Control Study" 21st European Congress of Psychiatry (EPA) Nice, France, 6-9 April 2013. Abstract will publish in Elsevier-European Psychiatry as a special supplement.

- 14.** Akan G, Inan O., Atalar F., Gormus U., Bilir A., Ozdilli K., Ciftci C., Altug T. "11 β HSD-1 and PAI-1 Gene Expression Fructose Induced Metabolic Syndrome in Rats" 12th FELASA SECAL Congress, Barcelona, Spain, 10-13 June, 2013. Abstract publish in a special supplement of JAALAS
- 15.** Atalar F, Gormez S, Caynak B, Akan G, Tanriverdi G, Bilgic-Gazioglu S, Akpinar B, Ozbek U, Buyukdevrim AS, Yazici Z. The Role Of Mediastinal AT 11 β HSD-1, GCR Expression In The Development Coronary Atherosclerosis In Obese Patients With Ischemic Heart Disease. The 10th International Congress on Coronary Artery Disease (ICCAD 2013) Oct. 13-16 2013 Florence, Italy.
- 16.** Akan G, Bilgic Gazioglu S, Gormez S, Caynak B and Atalar F. Differential expression of TNF- α and PAI-1 in Cardiac Adipose Tissues of Obese Patients with Coronary Artery Disease The 10th International Congress on Coronary Artery Disease (ICCAD 2013) Oct. 13-16 2013 Florence, Italy.
- 17.** Aydın K., Akan G, Görmez S., Akpinar B., Sözen V. and Atalar F. Abberant Expressions Of Cd68 And Cd45 In Mediastinal Adipose Tissue Are Associated With The Increased Secretion Of The Proinflammatory Cytokines In Obese Coronary Artery Disease. 2nd International Molecular Immunology & Immunogenetics Congress" 27-30 April 2014 Antalya Turkey
- 18.** Acar S., Akan G, Ozgen O., Oncu F., Yanbay H., Yesilbursa D., Turkcan S. and Atalar F. A Key Element Of Endocannabinoid System Ppar γ 2 And Leptin Are Associated In Turkish Schizophrenia Patients 2nd International Molecular Immunology & Immunogenetics Congress" 27-30 April 2014 Antalya Turkey
- 19.** Akan G, Inan O., Atalar F., Gormus U., Bilir A., Ozdilli K., Çiftçi C. and Altug F. Fructose has the ability to induce glucocorticoid dysregulation in liver and adipose tissue of diet-induced Metabolic syndrome rats. 2nd International Molecular Immunology & Immunogenetics Congress" 27-30 April 2014 Antalya Turkey
- 20.** Akan G, Kisenge P., Sanga T.S., Mbugi E., Adolf I., Janabi M., Atalar F. Polymorphisms on Chromosome 9p21.3 Modify Susceptibility to Coronary Artery Disease and the Severity of Coronary Atherosclerosis in Tanzanian Population. 11th Conference of the AfSHG - African Society of Human Genetics. 19-21 September 2018 Kigali Rwanda

- 21.** Akan G, Kisenge P., Sanga T.S., Mbugi E., Janabi M., Atalar F. Evaluation of Association Between Common SNPs on 9p21.3 Region and Coronary Artery Disease in Tanzanian Population. 34th Turkish Cardiology Congress with International Participation. 20-23 October 2018 Antalya Turkey. Abstract publish in a special supplement of AJC
- 22.** Akan G, Kisenge P., Sanga T.S., Mbugi E., Janabi M., Atalar F. Association of Chromosome 9p21.3 Region with Increased Risk of Coronary Artery Disease in Northern Tanzanian Patients. 34th Turkish Cardiology Congress with International Participation. 20-23 October 2018 Antalya Turkey. Abstract publish in a special supplement of AJC
- 23.** Akan G, Kisenge P., Sanga T.S., Mbugi E., Janabi M., Atalar F. Evaluation of Association Between Common SNPs on 9p21.3 Region and Coronary Artery Disease in Tanzanian Population. 5th World Congress on Epigenetics and Chromosome 15-16 November 2018 Istanbul, Turkey
- 24.** Adolf I, Akan G, Dharsee N, Mselle T and Atalar F. Implication Of Soluble HLA-G and HLA-G +3142G/C Polymorphism in Breast Cancer Patients Receiving Adjuvant Therapy at ORCI, Tanzania. International Molecular Immunology & Immunogenetics Congress IV (MIMIC IV) 27-29 April 2019 Bursa, Turkey
- 25.** Akan G, Kisenge P, Sanga T.S, Mbugi E, Turkcan M.K, Janabi M., Atalar F. 9p21.3 Gene Region as Predictor Coronary Artery Disease in Tanzanian Population. International Molecular Medicine Symposium 16-18 May 2019 Istanbul, Turkey
- 26.** Akan G, Inan O, Atalar F, Ciftci C. Fructose-Induced Metabolic Syndrome in Rats. International Molecular Medicine Symposium 16-18 May 2019 Istanbul, Turkey
- 27.** Akan G, Kisenge P, Sanga T.S, Mbugi E, Turkcan M.K, Janabi M, Atalar F. SNPs on 9p21.3 gene region may be can use as predictors coronary artery disease patients in Tanzania. European Human Genetics Conference 15-19 June 2019, Gothenburg, Sweden.
- 28.** Adolf I, Akan G, Dharsee N, Mselle T and Atalar F. Implication of HLA-G+3142G>C Polymorphism and Soluble HLA-G in Mastectomized Breast Cancer Patients in Tanzania. European Human Genetics Conference 15-19 June 2019, Gothenburg, Sweden.
- 29.** Akan G, Nyawawa E, Nyangasa B, Turkcan MK., Mbugi E, Mohammed J, Atalar F. Expression of linear and circular forms of ANRIL in human peripheral blood and adipose tissues: Possible influence of the 9p21.3 variants linked to coronary artery disease.

Medical Biology and Genetics Congress with International Participation. 27-30 October 2019, Bodrum, Turkey.

30. Adolf I, Akan G, Dharsee N, Mselle T and Atalar F. Implication of HLA-G+3142G>C Polymorphism and Soluble HLA-G in Mastectomized Breast Cancer Patients in Tanzania. 12th Conference of African Society of Human Genetics. 19 -21 September 2019, Bamako, Mali.
31. Akan G, Nyawawa E, Nyangasa B, Turkcan MK, Mbugi E, Ozgen O, Mohammed J, Atalar F. Circulating lncRNA ANRIL: a potential biomarker in Tanzanian patients with coronary artery disease. European Human Genetics Virtual Conference. June 6-9 June 2020, Berlin, Germany.
32. Ozgen O, Akan G, Colak A, Acar S, Oncu F, Yanbay H, Yesilbursa D, Turkcan S, Atalar F. DIO2 Thr92Ala Reduces Deiodinase 2 Activity and Serum T3 Levels in Patients with Schizophrenia. European Human Genetics Virtual Conference. June 6-9 June 2020, Berlin, Germany.
33. L Paul, G Akan, I Adolf, E Magorosa, I Mosha, N Dharsee, L Namkinga, L Lyantagaye, F Atalar. The Prevalence of Breast Cancer Molecular Subtypes and Associated Risk Factors Among Women at a Tertiary Hospital in Dar Es Salaam, Tanzania. AIJR Abstracts, 2021
34. IC Adolf, G Akan, LP Rweyemamu, F Atalar. Association of XRCC1-Arg399Gln and XPG-Asp1104His polymorphisms with reproductive risk factors and increased risk of breast cancer in Tanzanian patients. EUROPEAN JOURNAL OF HUMAN GENETICS, 2022
35. B Teker, S Tatonyan, MC Balci, M Karaca, G Akan, Ö Özgen, EP Yıldız, O Güngör, RK Kılıç, A İnci, A Gedikbaşı, F Atalar, GF Gökçay, M Poda. Rapid, accurate and comprehensive diagnostic method for the detection of Neuronal Ceroid Lipofuscinosis Type 2 (CLN2) Disease using long-read third-generation sequencing technology. SSIEM Annual Symposium, 2023

7.4. National/international Books or Book Chapters

7.5. Articles Published in National Peer-Reviewed Journals

8. Art and Design Activities

9. Projects

- 1.** Mutation screening of children suffering from congenital adrenal hyperplasia due to 21 hydroxylase deficiency. Project No:5242, Istanbul University- Scientific Project Office, 2010, Project Research Scientist.
- 2.** Expression of HERG1, HERG2 and HERG3 isoforms in the peripheral blood cells of schizophrenia patients Istanbul University- Scientific Project Office, Project No:UDP/ 18386, 2011. Project Research Scientist.
- 3.** Establishment of Genetics Laboratory at Muhimbili University Medical School, Dar Es Salaam, Tanzania, Istanbul University- Honorary Consulate Of Tanzania Joint Project, 2014-2018.
- 4.** Role of hypertension and cardiovascular disease as predisposing factors for COVID-19: comparison with viral pneumonia due to other factors. Scientific Research Projects of the Ministry of Health, Turkey. Project number: 2020-05-02T19_38_13, Project Research Scientist, 2020
- 5.** To examine the effect of low molecular weight heparin therapy on in-hospital outcomes and prognostic laboratory parameters in COVID-19 patients with normal D-Dimer levels. Scientific Research Projects of the Ministry of Health, Turkey. Project number: 2020-05-11T12_01_54, Project Research Scientist, 2020
- 6.** Breast Cancer Genes Mutation Analysis in The Hadzabe Ethnic Group Of Tanzania. University of Dar es Salaam, Project number: MCHAS-20059, Project Research Scientist, 2020.
- 7.** Development of Hepatitis D Virus Real-Time PCR Diagnostic Kit , Project number: 2022-086, Project Research Scientist, 2022
- 8.** Kit development using third next-generation sequencing technology for second-line molecular differential diagnosis in extended newborn screening with tandem mass spectrometry. Project number: 39456, Project Research Scientist, 2022

10. Administrative Responsibilities**11. Memberships in Scientific and Professional Organizations**

1. Biologists Association
2. Turkish Society of Immunology
3. Medical Biology and Genetics Association
4. Laboratory Animal Science Association
5. TMC-KKTC Microbiology Platform

12. Awards

1. 33. Days of Pediatrics and 12. Pediatric Nursing Days, Best oral presentation award 2011.
2. 21st European Congress of Psychiatry (EPA) Best poster presentation award, 2013
3. 1st International Medical Faculty Student Congress, En iyi sözlü sunum, 2022
4. Near East University Young Researcher Award, 2022
5. 38. ANKEM Rational Antibiotic Use Congress, Best oral presentation award, 2023
6. 38. ANKEM Rational Antibiotic Use Congress, Best poster presentation award, 2023

13. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021 - 2022	Medicine	Gene Mapping	x		
	Master	Molecular Technics in Medicine	x	x	10
2022 - 2023	Medicine	Gene Mapping	x		
	Molecular Biology and Genetics	Chromosome Dynamics	x	x	8
	Obstetrics	Medical Biology and Genetics	x		55
	Nutrition Dietetics	Medical Biology and Genetics	x		70
	Dentistry	DNA Repair Mechanisms	x		
	Dentistry	Cell Death Mechanisms	x		

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