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## Personal Information

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## International Researcher IDs

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## **Education Information**

Doctorate, Gazi University, Tıp Fakültesi, Turkey 2000 - 2005

Expertise In Medicine, Gazi University, Tip Fakültesi, Turkey 1996 - 1999

Undergraduate, Gazi University, Tip Fakültesi, Tip Pr., Turkey 1988 - 1995

## Dissertations

Doctorate, Koroner kalp ve diabetik hastalıklarla paraoksonaz gen polimorfizmi arasındaki ilişki, Gazi University, Tip Fakültesi, 2005

## Research Areas

Medicine, Informatics

## Academic Titles / Tasks

Professor, Gazi University, Tip Fakültesi, Dahili Tip Bilimleri, 2012 - Continues

**Associate Professor, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri, 2006 - Continues**

Assistant Professor, Gazi University, Tip Fakültesi, Dahili Tip Bilimleri, 2004 - 2006

## Academic and Administrative Experience

Head of Department, Gazi University, Tip Fakültesi, Dahili Tip Bilimleri, 2021 - Continues

**BAP Subcommittee Member, Gazi University, Tip Fakültesi, Dahili Tip Bilimleri, 2020 - Continues**

Deputy Director of Research Institute, Gazi University, Tip Fakültesi, Dahili Tip Bilimleri, 2020 - Continues

Head of Department, Gazi University, Tip Fakültesi, Dahili Tip Bilimleri, 2019 - Continues

Head of Department, Gazi University, Bilişim Enstitüsü, 2018 - 2020

PUBLISHED JOURNAL ARTICLES INDEXED BY SCI, SSCI, AND AHCI

- I. The interrelation between the high expression level of MIR34a and the trisomic abortion materials  
KAZANCIÖĞLU E., TUĞ E., ERGÜN M. A., Kazan H. H., YİRMİBEŞ KARAOĞUZ M.  
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- II. The effect of apoprotein E gene polymorphism on neurocognitive functions of children with CHD  
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CARDIOLOGY IN THE YOUNG, vol.33, pp.1556-1560, 2023 (SCI-Expanded)
- III. Association of ACTN3 R577X Polymorphism with Elite Basketball Player Status and Training Responses  
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- IV. Evaluation of the Association of *VDR* rs2228570 Polymorphism with Elite Track and Field Athletes' Competitive Performance  
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- V. Exome-Wide Association Study of Competitive Performance in Elite Athletes  
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- VI. Athletic performance, sports experience, and exercise addiction: an association study on *ANKK1* gene polymorphism rs1800497  
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FRONTIERS IN PSYCHOLOGY, vol.14, 2023 (SSCI)
- VII. Whole exome sequence analysis in patients with non-ischemic dilated cardiomyopathy  
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ANATOLIAN JOURNAL OF CARDIOLOGY, vol.26, 2022 (SCI-Expanded)
- VIII. Growth hormone-releasing pituitary microadenoma overshadowed by a macroadenoma: a case of double pituitary adenomas and review of the literature  
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BRITISH JOURNAL OF NEUROSURGERY, 2022 (SCI-Expanded)
- IX. Clinical and molecular evaluation of MEFV gene variants in the Turkish population: a study by the National Genetics Consortium  
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FUNCTIONAL & INTEGRATIVE GENOMICS, vol.22, no.3, pp.291-315, 2022 (SCI-Expanded)
- X. Identification of copy number variants in children and adolescents with autism spectrum disorder: a study from Turkey  
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MOLECULAR BIOLOGY REPORTS, vol.48, no.11, pp.7371-7378, 2021 (SCI-Expanded)
- XI. Function of telomere in aging and age related diseases  
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- XII. Genome-wide association and whole exome sequencing studies reveal a novel candidate locus for restless legs syndrome  
Ergün U., Say B., Güntekin Ergün S., Perçin F. E., Inan L., Kaygısız Ş., Gelener Asal P., Yurteri B., Struchalin M., Shtokalo D., et al.  
EUROPEAN JOURNAL OF MEDICAL GENETICS, vol.64, no.4, pp.1-5, 2021 (SCI-Expanded)
- XIII. Genome-wide association and whole exome sequencing studies reveal a novel candidate locus for restless legs syndrome.  
Ergun U., Say B., Ergun S. G., PERÇİN F. E., Inan L., Kaygisiz S., Asal P. G., Yurteri B., Struchalin M., Shtokalo D., et al.  
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- XIV. **Role of glutathione S-transferase P1 polymorphism in early transplant complications in patients undergoing allogeneic stem cell transplantation**  
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- XV. **CDH13 and LPHN3 Gene Polymorphisms in Attention-Deficit/Hyperactivity Disorder: Their Relation to Clinical Characteristics.**  
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- XVI. **Ultimate COVID-19 Detection Protocol Based on Saliva Sampling and qRT-PCR with Risk Probability Assessment**  
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- XVII. **Is cervical swab an efficient method for developing a new noninvasive prenatal diagnostic test for numerical and structural chromosome anomalies?**  
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- XVIII. **Cellular iron storage and trafficking are affected by GTN stimulation in primary glial and meningeal cell culture**  
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- XIX. **Iron homeostasis is altered in response to hypoxia and hypothermic preconditioning in brain glial cells**  
Aral L. A., Ergün M. A., Engin A. B., Börcek A. Ö., Belen H. B.  
Turkish journal of medical sciences, vol.50, no.8, pp.2005-2016, 2020 (SCI-Expanded)
- XX. **Intelligent Ratio: A New Method for Carrier and Newborn Screening in Spinal Muscular Atrophy.**  
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- XXI. **Inherited eye diseases in Turkey: Current approaches and future directions**  
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- XXII. **Warburg Micro Syndrome 1 due to Segmental Paternal Uniparental Isodisomy of Chromosome 2 Detected by Whole-Exome Sequencing and Homozygosity Mapping**  
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- XXIII. **Aetiological Evaluation of oligodontia in a Three-Generation Family**  
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- XXIV. **A rare etiology of epileptic encephalopathy: HECW2 mutations**  
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- XXV. **Single-Nucleotide Polymorphisms in IL23R-IL12RB2 (rs1495965) Are Highly Prevalent in Patients with Behcet's Uveitis and Vary Between Populations**  
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- XXVI. **Dual overlapping phenotype recessively inherited due to paternal unipaternal disomy of chromosome 2 (pUPD2) in a patient**  
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European Journal Of Human Genetics, vol.27, pp.384-385, 2019 (SCI-Expanded)

- XXVII. Copy number variation analysis in autism spectrum disorders**  
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European Journal Of Human Genetics, no.27, pp.1-688, 2019 (SCI-Expanded)
- XXVIII. Eight new patient with autosomal recessive hereditary spastic paraplegia diagnosed via WES analysis**  
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BALKAN MEDICAL JOURNAL, vol.22, no.1, pp.207, 2019 (SCI-Expanded)
- XXIX. A new method for analysis of whole exome sequencing data (SELIM) depending on variant prioritization**  
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- XXX. A novel RYR 1 gene mutation in a patient with severe central core disease**  
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- XXXI. Duplication of HTR 7 gene in a patient: Is it a possible cause of autism and congenital cataract ?**  
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- XXXII. Identification of Three Novel FBN1 Mutations and Their Phenotypic Relationship of Marfan Syndrome**  
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- XXXIII. Microdeletion and mutation analysis of the SHOX gene in patients with idiopathic short stature with FISH and sequencing**  
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- XXXIV. Clinical findings in cases with 9q deletion encompassing the 9q21.11q21.32 region**  
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- XXXV. Microdeletion and mutation analysis of the SHOX gene in patients with idiopathic short stature with FISH and sequencing**  
Bakır A., Yirmibeş Karaoguz M., Emriye Percin F., Tuğ E., Cinaz P., Ergün M. A.  
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- XXXVI. The relation between isolated micropenis in childhood with CAG and GGN repeat polymorphisms in the androgen receptor gene**  
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- XXXVII. Birt-Hogg-Dube Syndrome with a Novel Mutation in the FLCN Gene**  
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- XXXVIII. LRP5-linked osteoporosis- pseudoglioma syndrome mimicking isolated microphthalmia**  
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EUROPEAN JOURNAL OF MEDICAL GENETICS, vol.60, no.3, pp.200-204, 2017 (SCI-Expanded)
- XXXIX. Development of a new real-time PCR screening kit for HbS and common beta-thalassemia mutations observed in Turkey**  
Kan Karaer D., ERGÜN M. A., ILGIN RUHİ H., Ozturk J., Kara H., Reisoglu Cakmak D., Aydogmus T., Percin E. F.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.47, no.3, pp.973-978, 2017 (SCI-Expanded)
- XL. Association of polymorphisms in APOE and LOXL1 with pseudoexfoliation syndrome and pseudoexfoliation glaucoma in a Turkish population**  
Tuncay F. Y., AKTAŞ Z., ERGÜN M. A., Ergun S. G., Hasanreisoglu M., Hasanreisoglu B.  
OPHTHALMIC GENETICS, vol.38, no.1, pp.95-97, 2017 (SCI-Expanded)
- XLI. The effect of CYP2C9 and VKORC1 genetic polymorphisms on warfarin dose requirements in a**

**pediatric population**

Taskin B. D., KULA S., ERGÜN M. A., Altun D., Olgunturk R., TUNAOĞLU F. S., OĞUZ A. D., Gursel T.

ANATOLIAN JOURNAL OF CARDIOLOGY, vol.16, no.10, pp.791-796, 2016 (SCI-Expanded)

**XLII. ANALYSIS OF GENETICS AND RISK FACTORS OF ALZHEIMER'S DISEASE**

Ates M. P., Karaman Y., Guntekin S., ERGÜN M. A.

NEUROSCIENCE, vol.325, pp.124-131, 2016 (SCI-Expanded)

**XLIII. MECP2 DUPLICATION SYNDROME WITH ADDITIONAL FINDINGS**

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GENETIC COUNSELING, vol.27, no.4, pp.471-478, 2016 (SCI-Expanded)

**XLIV. SUBMICROSCOPIC DUPLICATION OF 8q24.3 REGION IS A POTENTIAL CANDIDATE FOR DISORDERS OF SEX DEVELOPMENT**

Dilek F. N., Percin E. F., Kayserili H., ERGÜN M. A., Saka N.

GENETIC COUNSELING, vol.27, no.3, pp.385-392, 2016 (SCI-Expanded)

**XLV. CFH Y402H and VEGF Polymorphisms and Anti-VEGF Treatment Response in Exudative Age-Related Macular Degeneration**

Yıldız B. K., ÖZDEK Ş., ERGÜN M. A., Ergun S., Tuncay F. Y., Elbeg S.

OPHTHALMIC RESEARCH, vol.56, no.3, pp.132-138, 2016 (SCI-Expanded)

**XLVI. Bio-engineered synovial membrane to prevent tendon adhesions in rabbit flexor tendon model**

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JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, vol.103, no.1, pp.84-90, 2015 (SCI-Expanded)

**XLVII. A PATIENT WITH PARTIAL CHROMOSOME 12q DUPLICATION AND 10q DELETION**

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**XLVIII. The Role of Interleukin-6 and Interleukin-8 Gene Polymorphisms in Non-Alcoholic Steatohepatitis**

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**XLIX. Evaluation of GenoFlow Thrombophilia Array Test Kit in Its Detection of Mutations in Factor V Leiden (G1691A), Prothrombin G20210A, MTHFR C677T and A1298C in Blood Samples from 113 Turkish Female Patients**

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**L. Chromosomal-array analysis reveals partial 11q duplication and partial 12p deletion in a mildly affected case**

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**LI. Ketamine is toxic to chondrocyte cell cultures**

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**LIII. MEFV Mutations and CYP3A4 Polymorphisms Do Not Predict "Colchicine Responsiveness" in Familial Mediterranean Fever**

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**LIV. Plasma Levels and Distribution of Gene Polymorphisms of Factor VII in Turkish Population**

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**LV. National Undergraduate Medical Core Curriculum in Turkey: Evaluation of Residents**

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- BALKAN MEDICAL JOURNAL, vol.31, no.1, pp.23-28, 2014 (SCI-Expanded)
- LVI. **Epilepsy in Aicardi-Goutieres syndrome**  
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- LVII. **T102C and 1438 G/A polymorphisms of the serotonin 2A receptor gene in etiology and course of ADHD**  
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- LVIII. **Mitotic Stability of Small Supernumerary Marker Chromosomes: A Study Based on 93 Immortalized Cell Lines**  
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- LIX. **Does hyaluronic acid decrease the apoptotic effect of bupivacaine?**  
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- LX. **The evaluation of long-term effects of ionizing radiation through measurement of current sister chromatid exchange (SCE) rates in radiology technologists, compared with previous SCE values**  
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- LXI. **The Correlation of Attention Deficit Hyperactivity Disorder with DRD4 Gene Polymorphism in Turkey**  
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- LXII. **Molecular karyotyping of an isolated partial trisomy 11q patient with additional findings**  
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- LXIII. **Analysis of GNAL polymorphisms in attention deficit hyperactivity disorder**  
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- LXIV. **Array and Cytogenetic Analyses Revealed Partial 11q Duplication and Partial 12p Deletion in a Case with Mild Phenotype**  
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- LXV. **Comparison of radiation-induced damage between CT angiography and conventional coronary angiography**  
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- LXVI. **CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR GENE MUTATIONS IN PATIENTS WITH MASSIVE NASAL POLYPPOSIS**  
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- LXVII. **LOCAL ANESTHETICS CAN INDUCE APOPTOSIS IN HUMAN FIBROBLAST AND LYMPHOCYTES**  
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- LXVIII. **TWENTY-FOUR GENES ARE UPREGULATED IN PATIENTS WITH HYPOSPADIAS**  
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- LXIX. **A case with double translocation and sjögren's syndrome Sjögren Sendromu Tanılı ve Çift**

- Translokasyon Taşıyıcısı Bir Olgu**  
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- LXX. **The prognostic role of hemochromatosis H63D allele in allogeneic hematopoietic stem cell transplantation**  
 Sucak G. T., Yasar D. G., YEGİN Z. A., ERGÜN M. A., ÖZKURT Z. N., Aki S. Z., Guntekin S.  
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ERGÜN M. A., SAAT H., SEZER A., GÜNGÖR T., ÖNER Ş. S., KAPLAN O. İ., Project Supported by Higher Education Institutions, Siliyopati kliniği bulunan hastalarda saptanan aday varyantların fonksiyon çalışmalarıyla değerlendirilmesi, 2022 - 2024

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Zorba E., Ergün M. A., Ulucan K., Ekmekçi R., Bayraktar I., Bulğay C., Akman O., Project Supported by Higher Education Institutions, Sporcu Performansına Etki Eden Genetik Parametrelerin Belirlenmesi ve Sporculara Genetik Danışmanlık Verilmesi, 2021 - 2023

Perçin F. E., Ergün M. A., Güntekin Ergün S., Project Supported by Higher Education Institutions, Huzursuz bacak sendromu olan bir ailedede yeni nesil dizileme yöntemi ile aday gen/genlerin araştırılması, 2015 - 2020

Özaslan A., Güney E., Ergün M. A., Okur İ., Project Supported by Higher Education Institutions, CDH13 and LPHN3 Gene

**Polymorphisms in Attention Deficit Hyperactivity Disorder: Their Relation With Clinical Characteristics and Executive Functions, 2018 - 2019**

**ERGÜN M. A., TUBITAK Project, Syısal ve Yapısal kromozom anomalileri için Yeni bir girişimsel olmayan tanı test kitinin geliştirilmesi, 2018 - 2019**

**Karabulut R., Sönmez K., Türkyılmaz Z., Ergün M. A., Project Supported by Higher Education Institutions, Hipospadiaslı çocukların total gen ifadesinin araştırılması, 2012 - 2017**

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**ERGÜN M. A., Project Supported by Higher Education Institutions, Huzursuz bacak sendromu olan bir ailede yeni nesil dizileme yöntemi ile aday gen/genlerin araştırılması, 2015 - 2016**

**Perçin F. E., Ergün M. A., Güntekin Ergün S., Kolbaşı Özgen G., Project Supported by Higher Education Institutions, Mitokondriyal DNA Mutasyonları, 2012 - 2014**

**ERGÜN M. A., Project Supported by Higher Education Institutions, CYP2D6 genine ait polimorfizmlerin Türk toplumunda araştırılması, 2012 - 2014**

**ERGÜN M. A., Project Supported by Higher Education Institutions, Huzursuz bacak sendromu olan bir ailede genetik haritalama yöntemi ile aday gen araştırılması, 2012 - 2014**

**Perçin F. E., Ergün M. A., Taşkin B., Project Supported by Higher Education Institutions, CYP2D6 genine ait polimorfizmlerin Türk toplumunda araştırılması BAP 01 2012 46, 2012 - 2014**

**Perçin F. E., Ergün M. A., Güntekin Ergün S., Project Supported by Higher Education Institutions, Huzursuz bacak sendromu olan bir ailede genetik haritalama yöntemi ile aday gen araştırılması BAP 01 2012 12, 2012 - 2014**

**ERGÜN M. A., Project Supported by Higher Education Institutions, MİTOKONDRİYAL DNA'DAKİ POLİMORFİZMLERİN MİTOKONDRİYAL HASTALIKLARLA OLAN İLİŞKİSİNİN ARAŞTIRILMASI, 2011 - 2014**

**ERGÜN M. A., Project Supported by Higher Education Institutions, Kromozomal yeniden düzenlenmelerde moleküler karyotipleme ile genotip-fenotip ilişkisinin belirlenmesi, 2011 - 2014**

**ERGÜN M. A., Project Supported by Higher Education Institutions, Eksudatif (Yaş) Tip Yaşa bağlı Makula Dejenerasyonunda anti VEGF tedavi etkinliğinin genetik polimorfizm ile ilişkisi, 2012 - 2012**

**Coşkun Ö., Budakoğlu I. İ., Ergün M. A., Project Supported by Higher Education Institutions, Gazi Üniversitesi Tıp Fakültesi'nde Mezuniyet Sonrası Eğitim Alan Araştırma Görevlileri'nin ve Gazi Üniversitesi Tıp Fakültesi Mezunlarının Tıp Eğitimleri Hakkındaki Görüşleri ", 2010 - 2012**

**ERGÜN M. A., Project Supported by Higher Education Institutions, Türk Toplumunda çocukluk çağının obezitesinin MC4R geni ve bu gene komşu bölgelerde meydana gelen mutasyon ve polimorfizmlerle olan ilişkisinin araştırılması, 2009 - 2010**

**ERGÜN M. A., Project Supported by Higher Education Institutions, Obezite tanısı almış çocukların Apolipoprotein E ve Dopamin D2 reseptör gen polinorfizmlerinin PCR ve RFLP yöntemi ile belirlenmesi, 2004 - 2007**

## **Activities in Scientific Journals**

**GAZI MEDICAL JOURNAL, First Editor, 2012 - Continues**

## **Memberships / Tasks in Scientific Organizations**

**Tıbbi Genetik Derneği, Vice President, 2021 - Continues, Turkey**

## **Scientific Refereeing**

**GAZI MEDICAL JOURNAL, Journal Indexed in ESCI, January 2023**

**GAZI MEDICAL JOURNAL, Journal Indexed in ESCI, April 2021**

**GAZI MEDICAL JOURNAL, Journal Indexed in ESCI, January 2021**

## **Tasks In Event Organizations**

Ergün M. A., 1. Ulusal HematoOnkoGenetik Kongresi, Scientific Congress, Antalya, Turkey, Kasım 2021

### **Metrics**

Publication: 312

Citation (WoS): 970

Citation (Scopus): 1040

H-Index (WoS): 16

H-Index (Scopus): 17

### **Congress and Symposium Activities**

10.Uluslararası Moleküler Biyoloji ve Biyoteknoloji Kongresi, Invited Speaker, Ankara, Turkey, 2021

1st GAZI UNIVERSITY and KAZAKH NATIONAL MEDICAL UNIVERSITY named after S.D. ASFENDIYAROV HEALTH SCIENCES CONGRESS, Invited Speaker, Ankara, Turkey, 2021

1. Ulusal HematoOnkoGenetik Kongresi, Session Moderator, Antalya, Turkey, 2021

8.Uluslararası Üreme Tıbbı ve Cerrahisi Derneği Kongresi, Invited Speaker, Antalya, Turkey, 2021

Erciyes Tıp Tibbi Genetik Kongresi, Session Moderator, Kayseri, Turkey, 2021

Jinekolojik Onkoloji Sempozyumu, Invited Speaker, Ankara, Turkey, 2021

4.Uluslararası Herkes için Spor Kongresi, Session Moderator, Ankara, Turkey, 2021

3.Uluslararası Öğrenci Moleküler Biyoloji ve Biyoteknoloji Kongresi, Invited Speaker, Ankara, Turkey, 2021

### **Non Academic Experience**

Gazi Üniversitesi Tıp Fakültesi

Zübeyde Hanım Doğum Hastanesi