

Prof. ALİ İRFAN GÜZEL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-5234-2019

Yoksis Researcher ID: 45131

Education Information

Doctorate, Cukurova University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji Anabilim Dalı, Turkey
2001 - 2006

Postgraduate, Cukurova University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji Anabilim Dalı,
Turkey 1987 - 2000

Undergraduate, Middle East Technical University, Faculty Of Education, Biyoloji Öğretmenliği,
Turkey 1986 - 1992

Biography

Ali İrfan GÜZEL was born in 1967 in Bozhüyük town of Göksun district of Kahramanmaraş. He completed his primary education in Bozhüyük and his secondary and high school education in Kayseri Imam Hatip High School. He won the Middle East Technical University Biology Teaching Department in 1986 and graduated from there in February 1992. He worked as a Science and Biology teacher in Tunceli and Çorum Anatolian High Schools between 1992-1997. He won the Çukurova University Health Sciences Institute Medical Biology Department Master's Program in the spring term of 1997 and started to work as a Research Assistant in the Institute staff. He completed his master's degree in January 2000 and won the doctorate program in the Department of Medical Biology in the spring semester of the same year. In December 2005, he was appointed as a Teaching Assistant at Çukurova University Faculty of Medicine, Department of Medical Biology. He completed his PhD in 2006. In 2010, he started to work as an Assistant Professor in the Department of Medical Biology at Recep Tayyip Erdoğan (Rize) University Faculty of Medicine, Department of Basic Medical Sciences, and received the title of Associate Professor in the same year (April 27). He was promoted to Professor on 24.06.2015. He has served as; Members of Senate, Institute of Health Sciences, Faculty of Medicine and Faculty of Dentistry, Membership of Institute/Faculty Board and Administrative Board, Members of Foreign Languages High School and SHMYO Board of Directors, BAP Coordinator and TUEKK membership in Faculty of Medicine and Head of Medical Education Program Evaluation Commission. He has/has held administrative duties at Recep Tayyip Erdoğan University Faculty of Medicine as the Deputy Dean (2011-2016), Head of the Department of Basic Medical Sciences (2019 -) and Head of the Department of Medical Biology (2010 -).

He is married and has three children.

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Fare Lizozim ve İnterlökin-2 Genlerinin Klonlanması ve Malign Melanomada Anti-tümöral DNA Aşısı Olarak Kullanılması, Cukurova University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji Anabilim Dalı, 2006

Postgraduate, Bakteriofaj T4 Lizozim Geninin (Gen e) Plazmid Vektörler ile Klonlanması, Cukurova University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyoloji Anabilim Dalı, 2000

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Medical Biology, Life Sciences, Molecular Biology and Genetics, Genetic Disorders, Genetic Engineering, Molecular Biology of Cancer, Natural Sciences

Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2015 - Continues

Associate Professor, Recep Tayyip Erdogan University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2010 - 2015

Assistant Professor, Recep Tayyip Erdogan University, Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 2010 - 2010

Lecturer PhD, Cukurova University, Tıp Fakültesi, Temel Tıp Bilimleri, 2005 - 2010

Research Assistant, Cukurova University, Tıp Fakültesi, Temel Tıp Bilimleri, 1997 - 2005

Courses

Recombinant DNA Technologies, Postgraduate, 2020 - 2021

Kanserin Moleküler Biyolojisi , Postgraduate, 2016 - 2017

Jury Memberships

Post Graduate, Tez Savunma Jürisi, KTÜ, August, 2019

Doctorate, Tez Savunma Jürisi, KTÜ, September, 2015

Academic Staff Examination, Sınav Jürisi, RTEÜ, August, 2015

Appointment to Academic Staff-Assistant Professorship, Yrd. Doç. Jürisi, RTEÜ, July, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Variants in taste genes on caries risk and caries activity status**
Yıldız T., Saydam F., Güzel A. İ., Telatar B.
MEDICAL MOLECULAR MORPHOLOGY, vol.53, no.4, pp.244-251, 2020 (SCI-Expanded)
- II. **Pelvic Radiation-Induced Testicular Damage: An Experimental Study at 1 Gray.**
RAKICI S., Guzel A. İ., TUMKAYA L., Nalkiran H. S., MERCANTEPE T.
Systems biology in reproductive medicine, vol.66, no.2, pp.89-98, 2020 (SCI-Expanded)
- III. **Association of paraoxonase-1 L55M and Q192R polymorphisms with PCOS risk and potential risk factors for atherosclerosis**

Nalkiran H., Sahin S. B., Ayaz T., Nalkiran I., Guzel A. I., Eldes T., Yildiz Y.

BIOMARKERS IN MEDICINE, vol.13, no.4, pp.279-289, 2019 (SCI-Expanded)

- IV. **Chromosomal findings and sequence analysis of target exons of calcium-sensing receptor (CaSR) gene in patients with Sagliker syndrome**
Tunc E., DEMİRHAN O., Sagliker Y., YILDIZ I., Paylar N., Guzel A. İ.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.47, no.1, pp.13-21, 2017 (SCI-Expanded)
- V. **Determination of Genotypic and Phenotypic Characteristics of Friedreich's Ataxia and Autosomal Dominant Spinocerebellar Ataxia Types 1, 2, 3, and 6**
Boz P. B., Koc F., KOCATÜRK SEL S., Guzel A. I., KASAP H.
NOROPSIKIYATRI ARSIVI-ARCHIVES OF NEUROPSYCHIATRY, vol.53, no.2, pp.115-119, 2016 (SCI-Expanded)
- VI. **Investigation of the polymorphism of the myostatin gene by using PCR-RFLP in two tilapia species (Oreochromis aureus and Oreochromis niloticus).**
BAYLAN M., Mazi G., OZCAN N., OZCAN B. D., GÜZEL A. İ.
Journal of Food, JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.13, no.2, pp.228-231, 2015 (SCI-Expanded)
- VII. **Cloning and Expression of Cellulosimicrobium cellulans beta-1,3-Glucanase Gene in Lactobacillus plantarum to Create New Silage Inoculant for Aerobic Stability**
Ozcan B. D., ÖZCAN N., BAYLAN M., Guzel A. İ.
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.19, no.4, pp.575-581, 2013 (SCI-Expanded)
- VIII. **Cloning and Expression of beta-1,3-Glucanase Gene from Cellulosimicrobium cellulans in Escherichia coli DH5a**
Ozcan B. D., ÖZCAN N., BAYLAN M., Guzel A. İ.
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.19, no.3, pp.523-528, 2013 (SCI-Expanded)
- IX. **Are there fetal stem cells in the maternal brain?**
DEMİRHAN O., ÇEKİN N., Tastemir D., Tunc E., Guzel A. İ., Meral D., DEMİRBEK B.
NEURAL REGENERATION RESEARCH, vol.8, no.7, pp.593-598, 2013 (SCI-Expanded)
- X. **Clodronate changes neurobiological effects of pulsed magnetic field on diabetic rats with peripheral neuropathy**
Mert T., ÖCAL I., GÜZEL A. İ., GÜNAY İ.
ELECTROMAGNETIC BIOLOGY AND MEDICINE, vol.32, no.3, pp.342-354, 2013 (SCI-Expanded)
- XI. **RAPID DETECTION OF FETAL ANEUPLOIDIES BY QUANTITATIVE FLUORESCENT-POLYMERASE CHAIN REACTION FOR PRENATAL DIAGNOSIS IN THE TURKISH POPULATION**
GÜZEL A. İ., YILMAZ M., DEMİRHAN O., PAZARBAŞI A., Kocaturk-Sel S., Erkoc M. A., Inandikioğlu N., ÖZGÜNEN F. T., Sariturk C.
BALKAN JOURNAL OF MEDICAL GENETICS, vol.15, no.1, pp.11-17, 2012 (SCI-Expanded)
- XII. **The Reliability of Maternal Serum Triple Test in Prenatal Diagnosis of Fetal Chromosomal Abnormalities of Pregnant Turkish Women**
DEMİRHAN O., PAZARBAŞI A., GÜZEL A. İ., Tastemir D., Yilmaz B., Kasap M., Ozgunen F. T., Evruke C., Demir C., Tunc E., et al.
GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.15, no.10, pp.701-707, 2011 (SCI-Expanded)
- XIII. **Association of serum sex steroid levels and bone mineral density with CYP17 and CYP19 gene polymorphisms in postmenopausal women in Turkey**
YILMAZ M., PAZARBAŞI A., GÜZEL A. İ., Kocaturk-Sel S., KASAP H., Kasap M., ÜRÜNSAK İ. F., BAŞARAN S., ALPTEKİN D., DEMİRHAN O.
GENETICS AND MOLECULAR RESEARCH, vol.10, no.3, pp.1999-2008, 2011 (SCI-Expanded)
- XIV. **Investigation of p53 Tumor Suppressor Gene Mutations in Patients with a Lung Mass Using Sequence Analysis**
LÜLEYAP H. Ü., İzmirli M., Onatoglu D., Koc S., TOPÇUOĞLU M. Ş., ALPTEKİN D., PAZARBAŞI A., GÜZEL A. İ., Foster U. G.
TÜRKİYE KLİNİKLERİ TIP BİLİMLERİ DERGİSİ, vol.30, no.5, pp.1447-1453, 2010 (SCI-Expanded)
- XV. **Neurofibromatosis type 1 associated with Charcot-Marie-Tooth type 1A**

- Koc F., GÜZEL A. İ.
JOURNAL OF DERMATOLOGY, vol.36, no.5, pp.306-311, 2009 (SCI-Expanded)
- XVI. **Macrophage depletion delays progression of neuropathic pain in diabetic animals**
Mert T., GUNAY I., ÖCAL I., GÜZEL A. İ., İNAL T. C., SENCAR L., POLAT S.
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.379, no.5, pp.445-452, 2009 (SCI-Expanded)
- XVII. **Detection of Parental Origin and Cell Stage Errors of a Double Nondisjunction in a Fetus by QF-PCR**
Guzel A. İ., DEMİRHAN O., PAZARBAŞI A., Ozgunen F. T., Kocaturk-Sel S., Tastemir D.
GENETIC TESTING AND MOLECULAR BIOMARKERS, vol.13, no.1, pp.73-77, 2009 (SCI-Expanded)
- XVIII. **PARENTAL ORIGIN AND CELL STAGE ERRORS IN X-CHROMOSOME POLYSOMY 49,XXXXY**
GÜZEL A. İ., DEMİRHAN O., PAZARBAŞI A., YÜKSEL B.
BALKAN JOURNAL OF MEDICAL GENETICS, vol.12, no.1, pp.45-50, 2009 (SCI-Expanded)
- XIX. **Suppression of the Tumorigenicity of B-16V Melanoma Cells via Lysozyme Gene**
GÜZEL A. İ., KASAP H., Tuncer I., Ozgunen K., SERTDEMİR Y., Kasap M., ÖZCAN N., YILMAZ M., PAZARBAŞI A.
CANCER BIOTHERAPY AND RADIOPHARMACEUTICALS, vol.23, no.5, pp.603-608, 2008 (SCI-Expanded)
- XX. **Inheritance of pericentric inversion in chromosome 7 through the three progenies and a newborn with congenital hydronephrosis diagnosed prenatally by fetal urine sampling**
GÜZEL A. İ.
FERTILITY AND STERILITY, vol.89, no.1, pp.1-6, 2008 (SCI-Expanded)
- XXI. **INHERITANCE OF A TRANSLOCATION BETWEEN CHROMOSOMES 12 AND 16 IN A FAMILY WITH RECURRENT MISCARRIAGES AND A NEWBORN WITH DOWN SYNDROME CARRYING THE SAME TRANSLOCATION**
PAZARBAŞI A., DEMİRHAN O., TURGUT M., Guzel I., Tastemir D.
GENETIC COUNSELING, vol.19, no.3, pp.301-308, 2008 (SCI-Expanded)
- XXII. **Polymorphisms in the tumor necrosis factor-alpha gene in Turkish women with pre-eclampsia and eclampsia**
PAZARBASI A., KASAP M., Guzel A. İ., KASAP H., ONBASIOGLU M., OZBAKIR B., DEMIRKAZIK A., OZGUNEN F. T., GURTUNC E.
ACTA MEDICA OKAYAMA, vol.61, no.3, pp.153-160, 2007 (SCI-Expanded)
- XXIII. **Duplication analysis in turkish Charcot-Marie-Tooth type 1a patients using short tandem repeat markers**
KOC F., Guezel A. İ., SARICA Y., KASAP H.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.117, no.11, pp.1611-1619, 2007 (SCI-Expanded)
- XXIV. **GAA repeat polymorphism in Turkish Friedreich's ataxia patients**
Yilmaz M. B., Koc A. F., Kasap H., Guzel A. İ., Sarica Y., Suleymanova D.
INTERNATIONAL JOURNAL OF NEUROSCIENCE, vol.116, no.5, pp.565-574, 2006 (SCI-Expanded)
- XXV. **A rare genetic disorder in the differential diagnosis of the entrapment neuropathies: Hereditary neuropathy with liability to pressure palsies**
KOC F., GUZEL R., BENLIDAYI I., YERDELEN D., Guzel I., SARICA Y.
JCR-JOURNAL OF CLINICAL RHEUMATOLOGY, vol.12, no.2, pp.78-82, 2006 (SCI-Expanded)
- XXVI. **Artificial bloodfeeding of Anopheles sacharovi on a membrane apparatus**
KASAP H., ALPTEKIN D., KASAP M., Guzel A. İ., LULEYAP U.
JOURNAL OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION, vol.19, no.4, pp.367-370, 2003 (SCI-Expanded)
- XXVII. **Cloning and expression of bacteriophage T4 lysozyme gene (gene e) in Escherichia coli via PCR amplification**
Guzel A. İ., OZCAN N., KASAP H.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.26, no.1, pp.133-138, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. Comparison of DNA isolation methods from mammalian sperm cells and development of a new

protocol

SEVİM NALKIRAN H., NALKIRAN İ., RAKICI S., TÜMKAYA L., GÜZEL A. İ.

Medicine Science, vol.10, no.2, pp.440-443, 2021 (Peer-Reviewed Journal)

II. Effect of Conception Time and Maternal Age Upon Fetal Sex Ratio in Çukurova Population.

TUNC E., DEMIRHAN O., PAZARBASI A., TASTEMİR D., GÜZEL A. İ., KASAP M., OZGUNEN F. T., YILMAZ B., KOCATURK-SEL S.

CUKUROVA MEDICAL JOURNAL, vol.39, no.2, pp.248-255, 2014 (Peer-Reviewed Journal)

III. Gelişmekte Olan Fare Fetüs Beyninde Aromataz, Östrojen Reseptör Alfa ve Progesteron Reseptörünün Birbirleriyle Olan İlişkileri.

YILMAZ B., ERKOC M. A., KOCATURK-SEL S., TUNC E., Özpak L., PAZARBASI A., GÜZEL A. İ., ALPTEKİN D., LULEYAP H. U., DEMIRHAN O., et al.

CUKUROVA MEDICAL JOURNAL, vol.38, no.2, pp.174-180, 2013 (Peer-Reviewed Journal)

IV. Evaluation of the cases with Friedreich ataxia

Kurul S. H., Yiş U., Güzel A. İ., KASAP H., Başak N., Dirik E.

Gulhane Medical Journal, vol.55, no.2, pp.123-127, 2013 (Scopus)

V. Cytogenetic and Molecular Investigation in Children with Possible Fragile X Syndrome.

ÖZER O., DEMIRHAN O., TUNC E., YILMAZ M. B., GÜZEL A. İ.

ÇUKUROVA ÜNİVERSİTESİ EĞİTİM FAKÜLTESİ DERGİSİ, vol.37, no.2, pp.76-83, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

I. Bakteri Genetiği

GÜZEL A. İ.

in: Tıbbi Biyoloji ve Genetik, Prof. Dr. Halil KASAP, Editor, Adana Nobel Kitabevi, Adana, pp.277-300, 2010

Refereed Congress / Symposium Publications in Proceedings

I. Allah'ın (c.c.) İlim ve Sanatına Örnekler: Genetik Bilgi ve Canlılar

GÜZEL A. İ.

I. Uluslararası Bilimler Işığında Yaratılış Kongresi, Şanlıurfa, Turkey, 30 November - 02 December 2017, pp.16-17

II. Polikistik Over Sendromu Tanısı Almış Hastalarda Paraoksonaz 1 Genindeki Leu55Met ve Gln192Arg Polimorfizmlerinin Ateroskleroz riskiyle ilişkisinin Araştırılması

SEVİM NALKIRAN H., AYAZ T., NALKIRAN İ., GÜZEL A. İ., ELDEŞ T., YILDIZ Y.

2. Ege Endokrin Hastalıklar ve Genetik Sempozyumu, Turkey, 23 - 25 February 2017

III. Y CHROMOSOME MICRODELITIONS IN 102 CASES: IS THE INCIDENCE OF ACQUIRED NON-OBSTRUCTIVE AZOOSPERMIA INCREASING?

UZUN H., SEVİM NALKIRAN H., AKÇA N., EREN H., NALKIRAN İ., SAYDAM F., GÜZEL A. İ.

ESAU Meeting Bodrum Turkey, Muğla, Turkey, 21 May 2017, pp.84

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VII. Y CHROMOSOME MICRODELITIONS IN 102 CASES: IS THE INCIDENCE OF ACQUIRED NON-OBSTRUCTIVE AZOOSPERMIA INCREASING?

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ESAU Meeting Bodrum Turkey, Muğla, Turkey, 21 May 2017, pp.84

X. Düşük Doz Radyasyonun Germ Hücrelerinde Oluşturduğu Genetik ve Histopatolojik Değişiklikler

RAKICI S., GÜZEL A. İ., TÜMKAYA L., ÇINAR Y., SEVİM NALKIRAN H., MERCANTEPE T.

22. ULUSAL KANSER KONGRESİ, Antalya, Turkey, 19 April - 23 March 2017, pp.386

XI. Düşük Doz Radyasyonun Germ Hücrelerinde Oluşturduğu Genetik ve Histopatolojik Değişiklikler

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22. ULUSAL KANSER KONGRESİ, Antalya, Turkey, 19 April - 23 March 2017, pp.509

XIII. Düşük Doz Radyasyonun Germ Hücrelerinde Oluşturduğu Genetik ve Histopatolojik Değişiklikler

RAKICI S., GÜZEL A. İ., TÜMKAYA L., ÇINAR Y., SEVİM NALKIRAN H., MERCANTEPE T.

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22. ULUSAL KANSER KONGRESİ, Antalya, Turkey, 19 April - 23 March 2017, pp.386

XVI. Polikistik Over Sendromu Tanısı Almış Hastalarda Paraoksonaz 1 Genindeki Leu55Met ve Gln192Arg Polimorfizmlerinin Ateroskleroz riskiyle ilişkisinin Araştırılması (Türkçe) Investigation of Association Between Paraoxonase-1 L55M (RS854560) and Q192R (RS662) Polymorphisms and Potential Atherosclerotic Risk Factors in PCOS Patients (İngilizce)

SEVİM NALKIRAN H., AYAZ T., NALKIRAN İ., GÜZEL A. İ., DURAKOĞLUGİL T., YILDIZ Y.

2. Ege Endokrin Hastalıklar ve Genetik Sempozyumu, İzmir, Turkey, 23 - 25 February 2017, vol.9, pp.27

XVII. Polikistik Over Sendromu Tanısı Almış Hastalarda Paraoksonaz 1 Genindeki Leu55Met ve Gln192Arg Polimorfizmlerinin Ateroskleroz riskiyle ilişkisinin Araştırılması (Türkçe) Investigation of Association Between Paraoxonase-1 L55M (RS854560) and Q192R (RS662) Polymorphisms and Potential Atherosclerotic Risk Factors in PCOS Patients (İngilizce)

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2. Ege Endokrin Hastalıklar ve Genetik Sempozyumu, İzmir, Turkey, 23 - 25 February 2017, vol.9, pp.27

XIX. Investigation of Association Between Paraoxonase-1 L55M (RS854560) and Q192R (RS662)

Polymorphisms and Potential Atherosclerotic Risk Factors in PCOS Patients Patients (Polikistik Over

Sendromu Tanısı Almış Hastalarda Paraoksonaz 1 Genindeki Leu55Met ve Gln192Arg

Polimorfizmlerinin Ateroskleroz riskiyle ilişkisinin Araştırılması)

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- XX. **Polikistik Over Sendromu Tanısı Almış Hastalarda Paraoksonaz 1 Genindeki Leu55Met ve Gln192Arg Polimorfizmlerinin Ateroskleroz riskiyle ilişkisinin Araştırılması (Türkçe) Investigation of Association Between Paraoxonase-1 L55M (RS854560) and Q192R (RS662) Polymorphisms and Potential Atherosclerotic Risk Factors in PCOS Patients (İngilizce)**

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2. Ege Endokrin Hastalıklar ve Genetik Sempozyumu, İzmir, Turkey, 23 - 25 February 2017, vol.9, pp.27

- XXI. **Konjenital hidronefrozisli yeni doğan bir olgunun fetal idrar örneğinden prenatal olarak saptanan ve üç kuşak boyunca gözlenen perisentrik inversiyon 7 inin kalıtımı**

DEMİRHAN O., ÖZCAN K., TAŞTEMİR KORKMAZ D., DEMİR S. C., TUNC E., SOLGUN H., GÜZEL A. İ.

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Publication: 57

Citation (WoS): 155

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Non Academic Experience

Ministry, Milli Eğitim Bakanlığı, Tunceli ve Çorum Anadolu Liseleri