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Education Information

Doctorate, Hacettepe University, Fen/Biyoloji, Moleküler Biyoloji, Turkey 2003 - 2010
Postgraduate, Hacettepe University, Fen/Biyoloji, Moleküler Biyoloji, Turkey 1999 - 2003
Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 1995 - 1999

Foreign Languages

English, C1 Advanced

Research Areas

Life Sciences, Molecular Biology and Genetics, Genetic Disorders, Genetic Engineering, Natural Sciences

Academic Titles / Tasks

Associate Professor, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2015 - Continues
Research Assistant, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2010 - 2015
Research Assistant, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2002 - 2010

Courses

Deneysel Biyokimya I, Undergraduate, 2016 - 2017
Biyokimya I, Undergraduate, 2016 - 2017

Advising Theses

KARAASLAN İ. Ç., SERPINB1 VE SERPINB2 PROTEAZ İNHİBİTÖRLERİNİN BRONŞ EPİTEL HÜCRELERİNDEKİ İNFLAMATUVAR CEVAPTAKİ ROLÜ, Postgraduate, Ö.Aran(Student), 2019

Published journal articles indexed by SCI, SSCI, and AHCI

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II. **Establishment of a 3D multicellular placental microtissues for investigating the effect of antidepressant vortioxetine**
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III. **Identification of Ochrobactrum as a bacteria with transstadial transmission and potential for application in paratransgenic control of leishmaniasis**
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IV. **Enhanced Osteogenic Potential of Noggin Knockout C2C12 Cells on BMP-2 Releasing Silk Scaffolds**
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V. **Comparing the melissopalynological and next generation sequencing (NGS) methods for the determining of botanical origin of honey**
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VI. **Differential expression of Phlebotomus tobbi Adler, Theodor & Lourie, 1930 (Diptera: Psychodidae) genes under different environmental conditions**
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CAN BOSTAN Ö., DAMADOĞLU E., SARAÇ B. E., KILIÇ B., ŞAHİNER Ü. M., KARAASLAN İ. Ç., KARAKAYA G., KALYONCU A. F.
Dermatology Practical and Conceptual, vol.13, no.4, 2023 (SCI-Expanded)

VIII. **Synthesis of hybrid myocardium constructs and in vitro characterization under mechanical stimulation**
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IX. **Omics technologies in allergy and asthma research: An EAACI position paper**
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X. **Comparisons of two cryptic Ampedus species (Coleoptera: Elateridae) by using classical systematics, ecological niche modeling, and DNA barcoding**
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XVII. **The Genetic Variants of Interferon Regulatory Factor-3 in Children with Asthma**
Mosayyebi S., Sarac B. E., Akel Bilgic H., Sahiner Ü. M., Sackesen C., Kalayci O., Karaaslan C.
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Yu C., Liang X., Lipsky S., Karaaslan C., Kozakewich H., Hotamisligil G. S., Bischoff J., Cataltepe S.
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XXVIII. **The Genetic Variants of Thymic Stromal Lymphopoietin Protein in Children with Asthma and Allergic Rhinitis**
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INTERNATIONAL ARCHIVES OF ALLERGY AND IMMUNOLOGY, vol.163, no.3, pp.185-192, 2014 (SCI-Expanded)

XXIX. **The role of SCCA1 in asthma related physiological events in the airway epithelium and the effect of promoter variants on asthma and gene function**
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XXXI. **Elastase inhibitory activity of airway α1-antitrypsin is protected by treatment with a catalytic antioxidant in a baboon model of severe bronchopulmonary dysplasia.**
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The Journal of allergy and clinical immunology, vol.118, no.5, pp.1097-104, 2006 (SCI-Expanded)

XXXVIII. **The effect of CD14-C159T genotypes on the cytokine response to endotoxin by peripheral blood mononuclear cells from asthmatic children**
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Tahan F., Karaaslan C., Aslan A., Kiper N., Kalayci O.
Annals of allergy, asthma & immunology : official publication of the American College of Allergy, Asthma, & Immunology, vol.96, pp.819-25, 2006 (SCI-Expanded)

XL. **The effect of polymorphisms at the CD14 promoter and the TLR4 gene on asthma phenotypes in Turkish children with asthma.**
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XLI. **Severe hemolytic anemia associated with Hb Volga [beta27(B9)Ala-->Asp]: GCC-->GAC at codon 27 in a Turkish family.**
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American journal of hematology, vol.76, no.4, pp.378-82, 2004 (SCI-Expanded)

Articles Published in Other Journals

I. **Astımda Genetik Faktörler ve Gen-Çevre Etkileşimi**
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Klinik Tıp Pediatri, 2017 (Peer-Reviewed Journal)

II. **Comparison of Six Commercial DNA Extraction Kits for DNA Extraction from Wheat**
KARAASLAN İ. Ç., AKEL H., PERÇİN DEMİRÇELİK I., ÜNLÜ S.
Hacettepe Journal of Biology and Chemistry, vol.42, pp.395-400, 2014 (Peer-Reviewed Journal)

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I. **Oxidative stress and antioxidant responses in airway inflammatory and resident cells experimentally simulated by cigarette smoke condensate (CSC)**
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V. **Solunum yolu yapısal ve inflamatuvar hücrelerinde oksidatif stres cevabının karşılaştırılması**
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VI. **Proteaz Alerjenlerin Havayolu Epitel Hücre Kaynaklı Matriks Metalloproteazlar Üzerine Etkileri**
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X. **Hışıltılı çocuklarda astımı öngörmede klinik mi, biyobelirteçler mi ?**
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XIV. **Investigation of Osteogenic Associated Genes in A New Generation Bone Substitute: Combination of Mesenchymal Stem Cells and Fibrin Glue Coated Ceraform**
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XVI. **Impact of Exopolysaccharides (EPSs) of Lactobacillus gasseri strains isolated from human vagina on cervical tumor cells (HeLa)**
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XIX. **Expressions of Apoptosis Related Proteins in Colon Cancer Cells After HYP Induced Phototherapy**
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XXVII. **Association between NPY gene polymophisms and alcohol dependence in Turkish sample**
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XXX. **Association of filaggrin gene polymorphisms with food allergy and atopic dermatitis**
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