

## Res. Asst. DİLARA KARAGÜZEL

### Personal Information

**Email:** dilarakaraguzel@hacettepe.edu.tr

**Web:** <https://avesis.hacettepe.edu.tr/dilarakaraguzel>

### International Researcher IDs

ORCID: 0000-0001-5986-4311

Yoksis Researcher ID: 284063

### Education Information

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 2012 - 2016

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Hava Yolu Epitel Hücrelerinde Alerjen Proteazların Matriks Proteazların Salımı Üzerine Olan Etkileri, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2019

### Research Areas

Life Sciences, Molecular Biology and Genetics, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2018 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhanced Osteogenic Potential of Noggin Knockout C2C12 Cells on BMP-2 Releasing Silk Scaffolds**  
ÇAKMAK A. S., Fuerkaiti S., KARAGÜZEL D., KARAASLAN İ. Ç., GÜMÜŞDERELİOĞLU M.  
ACS Biomaterials Science and Engineering, vol.9, no.11, pp.6175-6185, 2023 (SCI-Expanded)
- II. **The Expression Profile of Protease Inhibitors in the Airway Epithelial Cells after Allergen (Der p 1) Stimulation**  
Karaaslan C., KARAGÜZEL D., SARAÇ B. E., SUCULARLI C., AKEL BİLGİÇ H., Kalayci O.  
INTERNATIONAL ARCHIVES OF ALLERGY AND IMMUNOLOGY, vol.183, no.1, pp.25-33, 2022 (SCI-Expanded)
- III. **Pistachio and cashew nut allergy in childhood: Predictive factors towards development of a decision tree**  
Cetinkaya P., Karaguzel D., Esenboğa S., Sahiner Ü. M., Soyer O., Buyuktiryaki B., Birben E., Karaaslan Ç., Sekerel B. E.

ASIAN PACIFIC JOURNAL OF ALLERGY AND IMMUNOLOGY, vol.39, no.1, pp.53-61, 2021 (SCI-Expanded)

- IV. **A clinical score to guide in decision making for monogenic type I IFNopathies.**  
Sönmez H., Karaaslan C., de J., Batu E., Anlar B., Sözeri B., Bilginer Y., Karaguzel D., Cagdas A., Tezcan I., et al.  
Pediatric research, vol.87, no.4, pp.745-752, 2020 (SCI-Expanded)
- V. **The Influence of Dietary Fatty Acids on Immune Responses.**  
Radzikowska U., Rinaldi A., Çelebi S., Karaguzel D., Wojcik M., Cypryk K., Akdis M., Akdis C., Sokolowska M.  
Nutrients, vol.11, 2019 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The effects of allergen proteases on fibroblast-myofibroblast transition in mouse and epithelial-fibroblast co-culture model**  
Kilic B., KARAGÜZEL D., Tynecka M., Sarac B., Walewska A., Bilgic H. A., Tarasik A., Reszec J., Moniuszko M., Eljaszewicz A., et al.  
Annual Hybrid Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), Hamburg, Germany, 9 - 11 June 2023, pp.92-93
- II. **Effects of HDM derived protease allergens on matrix metalloproteases and cytokine profiles in airway epithelial cells**  
Karagüzel D., Saraç B. E., Bilgic A. H., Karaaslan İ. Ç.  
European-Academy-of-Allergology-and-Clinical-Immunology Digital Congress (EAACI), London, Canada, 6 - 08 June 2020, vol.75, pp.392
- III. **The effect of SERPINB3 on mucus expression in airway epithelial cells**  
Saraç B. E., Karagüzel D., Bilgic A. H., Birben E., Kalayci O., Karaaslan İ. Ç.  
European-Academy-of-Allergology-and-Clinical-Immunology Digital Congress (EAACI), London, Canada, 6 - 08 June 2020, vol.75, pp.166-167
- IV. **Solunum yolu yapısal ve inflamatuvar hücrelerinde oksidatif stres cevabının karşılaştırılması**  
Akel Bilgiç H., Karagüzel D., Saraç B. E., Prof. Dr. Ömer Kalaycı P. D. Ö., Karaaslan İ. Ç.  
XXVI. Ulusal Allerji ve Klinik İmmünoloji Kongresi, Antalya, Turkey, 9 - 13 November 2019, pp.1
- V. **Proteaz Alerjenlerin Havayolu Epitel Hücre Kaynaklı Matriks Metalloproteazlar Üzerine Etkileri**  
Karagüzel D., Saraç B. E., Akel Bilgiç H., Karaaslan İ. Ç.  
XXVI. Ulusal Allerji ve Klinik İmmünoloji Kongresi, Antalya, Turkey, 9 - 13 November 2019, pp.21
- VI. **Havayolu Epitel Hücrelerinde SERPINB3'ün Mukus İfadesi Üzerine Etkisi**  
Saraç B. E., Karagüzel D., Akel Bilgiç H., Birben E., Kalaycı C. Ö., Karaaslan İ. Ç.  
XXVI. Ulusal Allerji ve Klinik İmmünoloji Kongresi, Antalya, Turkey, 9 - 13 November 2019
- VII. **The effect of SERPINB1 protease inhibitor on the inflammatory response genes in bronchial epithelial cells**  
KARAGÜZEL D., ARAN O. T., Bilgic A. H., Kalayci O., Karaaslan C.  
Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), Lisbon, Portugal, 1 - 05 June 2019, vol.74, pp.417-418
- VIII. **Comparison of the oxidative stress response induced by tert-butyl hydroperoxide in airway resident and inflammatory cells**  
Akel Bilgiç H., Karagüzel D., Kalaycı P. D. Ö., Karaaslan İ. Ç.  
EAACI 2019 , Lisbon, Portugal, 1 - 05 June 2019, pp.419
- IX. **SERPINB3 response to Der p1 stimulation in airway epithelial cell is partially PAR-2 dependent (Late Breaking Abstract)**  
AKEL H., KARAGÜZEL D.  
EAACI Congress 2018, Munich, Germany, 26 May 2018, pp.72
- X. **The protease inhibitor profile of the airway epithelial cell lines after Der p1 stimulation**  
AKEL H., Karaguzel D., BİRBEN E., KARAASLAN İ. Ç., KALAYCI Ö.  
European Academy of Allergy and Clinical Immunology (EAACI) Congress, 2018, 26 - 30 May 2018

- XI. **SERPINB3 response to Der p1 stimulation in airway epithelial cell is partially PAR-2 dependent**  
AKEL H., KARAGÜZEL D., BİRBEN E., KALAYCI Ö., KARAASLAN İ. Ç.  
EAACI 2018, 26 - 30 May 2018
- XII. **DNA Barcoding Research on Some Species of the Genera Ampedus (Coleoptera: Elateridae)**  
KABALAK M., KARAASLAN İ. Ç., AKEL H., KARAGÜZEL D.  
Symposium of Eurasian Biodiversity 2017, 5 - 08 July 2017

## **Supported Projects**

KARAASLAN İ. Ç., KARAGÜZEL D., Project Supported by Higher Education Institutions, Hava Yolu Epitel Hücrelerinde Alerjen Proteazlarının Matriks Proteazların Salımı Üzerine olan Etkileri, 2019 - 2021

## **Metrics**

Publication: 19  
Citation (WoS): 20  
Citation (Scopus): 35  
H-Index (WoS): 3  
H-Index (Scopus): 3

## **Congress and Symposium Activities**

EAACI Congress 2018, Attendee, Munich, Germany, 2018