

DUMAN

**Personal Information**

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**Education Information**

Doctorate, Cardiff University , School of Medicine , Department of Cancer and Genetics, England 2020 - 2024

Postgraduate, Erciyes University, Tıp Fakültesi, Temel Tıp Bilimleri, Turkey 2017 - 2019

Undergraduate, Istanbul Technical University/Montana State University , Bioengineering , Turkey 2010 - 2016

**Foreign Languages**

English, C1 Advanced

**Dissertations**

Doctorate, Imbalance of DNA Methylation and Demethylation as Pathogenic Mechanism of Acute Leukaemia, Cardiff University , School of Medicine , Department of Cancer and Genetics, 2024

**Academic Titles / Tasks**

Assistant Professor, Erciyes University, Tıp Fakültesi, Temel Tıp Bilimleri, 2024 - Continues

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

- I. **Trans Species RNA Activity: Sperm RNA of the Father of an Autistic Child Programs Glial Cells and Behavioral Disorders in Mice**  
Yilmaz Sukranli Z., Korkmaz Bayram K., Mehmetbeyoglu E., DOĞANYİĞİT Z., BEYAZ F., ŞENER E. F., TAHERİ S., ÖZKUL Y., Rassoulzadegan M.  
Biomolecules, vol.14, no.2, 2024 (SCI-Expanded)
- II. **From Data to Insights: Machine Learning Empowers Prognostic Biomarker Prediction in Autism.**  
Mehmetbeyoglu E., Duman A., Taheri S., Ozkul Y., Rassoulzadegan M.  
Journal of personalized medicine, vol.13, no.12, 2023 (SCI-Expanded)
- III. **Alterations in Serum miR-126-3p Levels over Time: A Marker of Pituitary Insufficiency following Head Trauma**  
Tufan E., Taheri S., Karaca Z. C., Mehmetbeyoglu E., Yilmaz Sukranli Z., Korkmaz Bayram K., Ulutabanca H., Tanriverdi F., Unluhizarci K., Rassoulzadegan M., et al.

NEUROENDOCRINOLOGY, vol.114, no.4, pp.315-330, 2023 (SCI-Expanded)

- IV. **Quinoa (*Chenopodium quinoa* Willd.) supplemented cafeteria diet ameliorates glucose intolerance in rats**  
Ozcalskan Ilkay H., Karabulut D., Kamaci Özocak G., Mehmetbeyoglu E., Kaymak E., Kişioğlu B., Çiçek B., Akyol A.  
Food Science and Nutrition, vol.11, no.11, pp.6920-6930, 2023 (SCI-Expanded)
- V. **Heterozygous Cc2d1a mice show sex-dependent changes in the Beclin-1/p62 ratio with impaired prefrontal cortex and hippocampal autophagy**  
Şener E. F., Dana H., Tahtasakal R., Hamurcu Z., Taheri S., Delibasi N., Mehmetbeyoglu E., Sukranli Z. Y., Dal F., Tufan E., et al.  
Progress in Neuro-Psychopharmacology and Biological Psychiatry, vol.125, 2023 (SCI-Expanded)
- VI. **Comparison of Cardioplegic Solutions in Coronary Bypass Surgery Over Autophagy and Apoptosis Mechanisms**  
ŞENER E. F., HAMURCU Z., TAHERİ S., Tahtasakal R., Delibasi N., ELÇİK D., Mehmetbeyoglu E., TUNÇAY A., Dal F., KORKMAZ BAYRAM K., et al.  
ARQUIVOS BRASILEIROS DE CARDIOLOGIA, vol.120, no.7, 2023 (SCI-Expanded)
- VII. **Overexpression of the PTEN Gene in Myocardial Tissues of Coronary Bypass Surgery Patients**  
Tahtasakal R., Şener E. F., Delibasi N., Hamurcu Z., Mehmetbeyoglu E., Bayram K. K., Gunes I., Goksuluk D., Emirogullari O. N.  
ARQUIVOS BRASILEIROS DE CARDIOLOGIA, vol.120, no.4, 2023 (SCI-Expanded)
- VIII. **The Role of Apoptosis and Autophagy in the Hypothalamic-Pituitary-Adrenal (HPA) Axis after Traumatic Brain Injury (TBI)**  
Taheri S., Karaca Z. C., Mehmetbeyoglu E., Hamurcu Z., Yilmaz Z., Dal F., Çınar V., Ulutabanca H., Tanriverdi F., Unluhizarci K., et al.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.23, no.24, 2022 (SCI-Expanded)
- IX. **Understanding a high-risk acute myeloid leukemia by analyzing the interactome of its major driver mutation**  
Chiriches C., Nicolaisen N., Wieske M., Elhaddad H., Mehmetbeyoglu E., Alvares C., Becher D., Hole P., Ottmann O. G., Ruthardt M.  
PLOS GENETICS, vol.18, no.10, 2022 (SCI-Expanded)
- X. **The Characterization of Sex Differences in Hypoglycemia-Induced Activation of HPA Axis on the Transcriptomic Level**  
Taheri S., Karaca Z., Rassoulzadegan M., Mehmetbeyoglu E., Zararsız G., Şener E. F., Bayram K. K., Tufan E., Sahin M. C., Marasli M. K., et al.  
CELLULAR AND MOLECULAR NEUROBIOLOGY, vol.42, no.5, pp.1523-1542, 2022 (SCI-Expanded)
- XI. **Mouse Paternal RNAs Initiate a Pattern of Metabolic Disorders in a Line-Dependent Manner**  
Satir-Basaran G., Kianmehr L., Mehmetbeyoglu E., Korkmaz Bayram K., Memis M., Yilmaz Z., Tufan E., Taheri S., Kelestimur F., Rassoulzadegan M.  
FRONTIERS IN GENETICS, vol.13, 2022 (SCI-Expanded)
- XII. **Decrease in RNase HII and Accumulation of lncRNAs/DNA Hybrids: A Causal Implication in Psoriasis?**  
Mehmetbeyoglu E., Kianmehr L., BORLU M., Yilmaz Z., Kılıç S. B., Rajabi-Maham H., TAHERİ S., Rassoulzadegan M.  
Biomolecules, vol.12, no.3, 2022 (SCI-Expanded)
- XIII. **EFFECT OF ELAMIPRETIDE (SS-31) ON INFLAMMASOME FORMATION IN MICE MODEL WITH OXALATE NEPHROPATHY**  
DURSUN İ., HAMURCU Z., TAHERİ S., Tufan E., Mehmetbeyoglu E., Delibas N., DOĞANYİĞİT Z., ALAN A., KUYUCU Y., POLAT S., et al.  
PEDIATRIC NEPHROLOGY, no.10, pp.3317-3318, 2021 (SCI-Expanded)
- XIV. **Gene Expression of Mouse Hippocampal Stem Cells Grown in a Galactose-Derived Molecular Gel Compared to In Vivo and Neurospheres**  
Bayram K. K., Fitremann J., Bayram A., Yilmaz Z., Mehmetbeyoglu E., ÖZKUL Y., Rassoulzadegan M.  
PROCESSES, vol.9, no.4, 2021 (SCI-Expanded)

- XV. **Molecular skin changes in Cushing syndrome and the effects of treatment**  
Karaca Z. C., Taheri S., Firat S. T., Borlu M., Zararsiz G., Mehmetbeyoglu E., Caglar A. S., Hacıoglu A., Tanriverdi F., Unluhizarci K., et al.  
JOURNAL OF ENDOCRINOLOGICAL INVESTIGATION, vol.44, no.1, pp.153-163, 2021 (SCI-Expanded)
- XVI. **Blood mRNA Expression Profiles of Autophagy, Apoptosis, and Hypoxia Markers on Blood Cardioplegia and Custodiol Cardioplegia Groups**  
Elcik D., Tuncay A., Sener E. F., Taheri S., Tahtasakal R., Mehmetbeyoğlu E., Gunes I., Emirogullari Ö. N.  
BRAZILIAN JOURNAL OF CARDIOVASCULAR SURGERY, no.3, pp.331-337, 2021 (SCI-Expanded)
- XVII. **A heritable profile of six miRNAs in autistic patients and mouse models.**  
Ozkul Y., Taheri S., Bayram K., Sener E. F., Mehmetbeyoglu E., Öztıp D., Aybuga F., Tufan E., Bayram A., Dolu N., et al.  
Scientific reports, vol.10, no.1, pp.9011, 2020 (SCI-Expanded)
- XVIII. **Association of OSR-1 With Vascular Dysfunction and Hypertension in Polycystic Kidney Disease**  
Kocycigit I., Taheri S., Eroglu E., Zararsiz G., Sener E. F., Uzun I., Imamoglu H., Mehmetbeyoglu E., Unal A., Korkmaz K., et al.  
THERAPEUTIC APHERESIS AND DIALYSIS, vol.24, no.1, pp.64-71, 2020 (SCI-Expanded)
- XIX. **Systemic Succinate, Hypoxia-Inducible Factor-1 Alpha, and IL-1 beta Gene Expression in Autosomal Dominant Polycystic Kidney Disease with and without Hypertension**  
Kocycigit I., Taheri S., Eroglu E., Sener E. F., Zararsız G., Uzun I., Tufan E., Mehmetbeyoglu E., Korkmaz B., Sipahioglu M. H., et al.  
CARDIORENAL MEDICINE, vol.9, no.6, pp.370-381, 2019 (SCI-Expanded)
- XX. **Assessment of genes involved in behavior, learning, memory, and synaptic plasticity following status epilepticus in rats**  
Gol M. F., ERDOĞAN F. F., Bayramov K. K., Mehmetbeyoglu E., ÖZKUL Y.  
EPILEPSY & BEHAVIOR, vol.98, pp.101-109, 2019 (SCI-Expanded)
- XXI. **Altered Global mRNA Expressions of Pain and Aggression Related Genes in the Blood of Children with Autism Spectrum Disorders**  
Şener E. F., Taheri S., Şahin M., Bayramov K. K., Maraşlı M. K., Zararsız G., Mehmetbeyoğlu E., Öztıp D. B., Canpolat M., Canatan H., et al.  
JOURNAL OF MOLECULAR NEUROSCIENCE, vol.67, no.1, pp.89-96, 2019 (SCI-Expanded)

## Books & Book Chapters

- I. **RNA-Mediated Inheritance of Mammalian Spermatozoa**  
Rassoulzadegan M., Yılmaz Şükranlı Z., Mehmetbeyoğlu Duman S. E.  
in: Epigenetics in Biological Communication, Guenther Witzany, Editor, Springer Nature, Geneve, pp.47-67, 2024

## Refereed Congress / Symposium Publications in Proceedings

- I. **Assessment of genes involved in behavior, learning, memory and synaptic plasticity following status epilepticus in rats**  
Gol M. F., ERDOĞAN F. F., Bayramov K. K., Mehmetbeyoglu E., ÖZKUL Y., Deconinck N.  
5th Congress of the European-Academy-of-Neurology (EAN), Oslo, Norway, 29 June - 02 July 2019, pp.413
- II. **THE ASSOCIATION OF OSR-1 BETWEEN VASCULAR DYSFUNCTION AND HYPERTENSION IN POLYCYSTIC KIDNEY DISEASE**  
EROĞLU E., KOÇYIĞIT İ., TAHERİ S., ZARARSIZ G., ŞENER E. F., UZUN İ., İMAMOĞLU H., MEHMETBEYOĞLU E., ÜNAL A., KORKMAZ K., et al.  
55th Congress of the European-Renal-Association (ERA) and European-Dialysis-and-Transplantation-Association (EDTA), Copenhagen, Denmark, 24 - 27 May 2018

## **Metrics**

Publication: 24

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