



Mehmet BOSTANCIKLIOGLU

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EDUCATION **Bachelor**

Adnan Menderes University, Turkey, Graduated, 2011

International University of Applied Science, Germany, Graduated in 2027

Graduate Education (MSc)

Gaziantep University, Medical Faculty Department of Physiology, Turkey,
Graduated in 2014

PhD

Gaziantep University, Medical Faculty Department of Physiology, Turkey,
Graduated in June 2023.

Thesis title: Investigation of the association between local myelin damage
in hippocampus and gut microbiome diversity.

LANGUAGES Advanced level of English

SKILLS

SPSS (Advanced),
Adobe Illustrator CC (Advanced),
Graph Pad Prism Statistics (Advanced),
Adobe Muse (Advanced),
Adobe Audition (Advanced),
G* Power 3.1.9.4 (Advanced),
EndNote (Advanced).

EXPERIENCE

Gaziantep University, Research Assistant, 2012-2016.

AID (Association for Integration and Development), Partnership Coordinator and HR Officer, 01.01.2016- 30.10.2016

EDITORIALS

Guest Editor at Journal of Psychiatric Research (**5.3 impact factor**)- Elsevier

<https://www.sciencedirect.com/journal/journal-of-psychiatric-research/about/forthcoming-special-issues>

Associate Editor at Human Gene (Elsevier)

<https://www.journals.elsevier.com/human-gene/editorial-board>

Editorial Board Member in Allergy & Rhinology (SAGE Pubs)

<https://us.sagepub.com/en-us/nam/author/mehmet-bostanciklioglu>

COURSES AND CERTIFICATES

Optogenetics

Electrophysiology (Patch-Clamp)

EMG, EEG and ECG recording in rodents

Primary neuron culture

Animal models of Parkinson's disease and Alzheimer's disease -

Experimental Animal Use Certificates

Animal modeling of psychiatric disorders

Cell death research

Western blotting

PCR

Science writing and publishing

Biostatistics

SPSS data analysis

PUBLICATIONS

Original Article

Bostancıklıoğlu, M., Kaplan, D.S., Temiz, E., Yiğit, E. (2023). Local myelin damage in the hippocampus fluctuates gut microbiome profile and memory. *Journal of psychiatric research*; -**5.3 IMPACT FACTOR**

Albayram, M. S., Smith, G., Tufan, F., Tuna, I. S., Bostancıklıoğlu, M., Zile, M., & Albayram, O. (2022). Non-invasive MR imaging of human brain lymphatic networks with connections to cervical lymph nodes. *Nature communications*, 13(1), 1-14. - **17.69 IMPACT FACTOR**

Cengiz, B., Bostancıklıoğlu, M., Demir, T., Karabulut, H., Dokuyucu, R., & Ulaşlı, M. (2021). Investigation of Cytotoxic Effects of Oxymetazoline on Lungs in a Rat Model of Rhinitis Medicamentosa. *Current Molecular Pharmacology*, 14(4), 658-666. – **3.8 IMPACT FACTOR**

Mutlu, H., Mutlu, S., & Bostancıklıoğlu, M. (2021). Profiling of autophagy-associated microRNAs in the osteosarcoma cell line of U2OS. *Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents)*, 21(13), 1732-1737. – **2.5 IMPACT FACTOR**

Bostancıklıoğlu, M., Demiryürek, Ş., Cengiz, B., Demir, T., Öztuzcu, S., Aras, M. H., ... & Bağcı, C. (2015). Assessment of the effect of laser irradiations at different wavelengths (660, 810, 980, and 1064 nm) on autophagy in a rat model of mucositis. *Lasers in medical science*, 30(4), 1289-1295. – **2.5 IMPACT FACTOR**

Reviews

Bostancıklıoğlu, M. (2021). Unexpected awakenings in severe dementia from case reports to laboratory. *Alzheimer's & Dementia*, 17(1), 125-136. – **16.5 IMPACT FACTOR**

Bostancıklıoğlu, M. (2020). Temporal correlation between neurological and gastrointestinal symptoms of SARS-CoV-2. *Inflammatory bowel diseases*, 26(8), e89-e91. – **7.2 IMPACT FACTOR**

Bostancıklıoğlu, M. (2020). Severe acute respiratory syndrome coronavirus 2 is penetrating to dementia research. *Current neurovascular research*, 17(4), 342-343. – **2.5 IMPACT FACTOR**

Bostancıklioğlu, M. (2020). Optogenetic stimulation of serotonin nuclei retrieve the lost memory in Alzheimer's disease. *Journal of cellular physiology*, 235(2), 836-847. – **6.5 IMPACT FACTOR**

Bostancıklioğlu, M. (2020). An update on memory formation and retrieval: An engram-centric approach. *Alzheimer's & Dementia*, 16(6), 926-937. – **16.5 IMPACT FACTOR**

Bostancıklioğlu, M. (2020). Neuromodulation of Memory Formation and Extinction. *Current Neurovascular Research*, 17(3), 319-326. – **2.5 IMPACT FACTOR**

Bostancıklioğlu, M. (2020). SARS-CoV2 entry and spread in the lymphatic drainage system of the brain. *Brain, behavior, and immunity*, 87, 122. – **19.2 IMPACT FACTOR**

Bostancıklioğlu, M. (2019). The role of gut microbiota in pathogenesis of Alzheimer's disease. *Journal of applied microbiology*, 127(4), 954-967. – **4.05 IMPACT FACTOR**

Bostancıklioğlu, M. (2019). An update on the interactions between Alzheimer's disease, autophagy and inflammation. *Gene*, 705, 157-166. – **3.9 IMPACT FACTOR**

Bostancıklioğlu, M. (2018). Intestinal bacterial flora and Alzheimer's disease. *Neurophysiology*, 50(2), 140-148. – **0.8 IMPACT FACTOR**

Carrera, J., Tomberlin, J., Kurtz, J., Karakaya, E., Bostancıklioğlu, M., & Albayram, O. (2021). Endocannabinoid signaling for GABAergic-microglia (mis) communication in the brain aging. *Frontiers in Neuroscience*, 14, 606808. – **5.1 IMPACT FACTOR**

Bostancıklioğlu, M. (2016). Anti-A β antibodies in the fighting with Alzheimer's disease. *Single Cell Biol*, 5, 127. – **0.5 IMPACT FACTOR**

Bostancıklioğlu, M. (2015). HThe Role of Autophagy in Stress and Cancer. *Single Cell Biol*, 4(111), 2. – **0.5 IMPACT FACTOR**

Bostancıklioğlu, M. (2022). Letter to editor about the article" Myelin as a regulator of development of the microbiota-gut-brain axis". *Brain, behavior, and immunity*, 100, 242. – **19.2 IMPACT FACTOR**

Book Chapter

Bostancıoğlu, M., & Demir, T. (2022). Gut Dysbiosis and Neurological Disorders—An Eclectic Perspective. *Journal: Comprehensive Gut Microbiota*, 489-500.

Book

Physiology practicals (ISBN:978-602-66210-0-0)

Fizyoloji laboratuvar uygulamaları ISBN: 978-605-030-147-2, TÜRKİYE, Gaziantep
(In Turkish)

TRANSLATED BOOK CHAPTERS TO TURKISH

Locations in clinic neurology (Paul W.Brazis - Joseph C.Masdeu)- Lippincott Williams
& Wilkins, 2001

PUBLISHED POSTERS IN NATIONAL CONFERENCES

Kalp Iskemi Ve Reperfüzyon Sonrası Otofajinin Rolü. (In Turkish)

Böbrek Iskemi Ve Reperfüzyonunda Ca⁺⁺ Ve Na⁺ Kanal Blokerlerinin Otofajiye Olan Etkisinin Araştırılması. (In Turkish)

Deneyisel Olarak Oluşturulan Akciğer Iskemi Reperfüzyon Sıçan Modelinde Otofaji Genlerinin (Atg5, Atg7, Atg10, Becn1 Ve Ulk1) Ekspresyonlarının Değerlendirilmesi (In Turkish)

Oxymetazoline Kullanımının Akciğer Dokusunda Otofaji Ve Apoptoz Mekanizmasına Olan Etkisi (In Turkish)

Kanama Durdurucu Bitki Kompozisyonu -Awarded By The Scientific And Technological Research Council Of Turkey (In Turkish)
