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1. **Name Surname:** Emel Erdoğan
2. **Date of Birth:** 16.09.1987 Germany
3. **Title:** Dr.rer.nat. (PhD.)
4. **Education:**

Degree	Area	University	Year
Bachelor	Biology	University of Bremen	2008-2011
Master	Neuroscience	University of Bremen	2011-2014
Doctorate	Neuroscience	University of Bremen	2015-2017

5. Academic titles

Ph.D: : 2017
Assistant Professor : 2019

6. Supervized thesis:

Thesis	Type	Year
Psikoterapistlerde, Kişilik Özelliklerinin ve Durumluluk-Süreklilik Kaygısının Terapötik İttifak Üzerindeki Etkisi (<i>Personality Characteristics and Impact of State-Continuity Anxiety on The Therapeutic Alliance in Psychotherapists</i>)	Master Thesis Master in Clinical Psychology (adults)	2020 – continues
Predictive Effect of Attachment Style and Alexithymia on Obsessive Compulsive Symptoms and Eating Attitude (<i>Bağlanma Stili ve Aleksitiminin Obsesif Kompulsif Belirtiler ile Yeme Tutumu Üzerindeki Yordayıcı Etkisi</i>)	Master Thesis: Clinical Psychology (adults)	2020 – continues
Master Program: Clinical Psychology – Adults / PROJECT		
Evaluation of Traumatic Psychopathology and Its Effects on Brain Structure and Function (<i>Travmaya Bağlı Psikopatolojinin ve Beyin Yapısı ve İşlevi Üzerindeki Etkilerinin Değerlendirilmesi</i>)	Master Project (review) Master in Clinical Psychology (adults)	2020 – Jan.2021
Evaluation of Cognitions and Neuroimaging Findings in Dissociative Identity Disorder (<i>Dissosiyatif Kimlik Bozukluğunda Bilişlerin Ve Nörogörüntüleme Bulgularının Değerlendirilmesi</i>)	Master Project (review) Master in Clinical Psychology (adults)	2020 – Jan.2021
Undergraduate Projects		
Investigation of the relationship between ecological consciousness, anxiety levels and green product purchasing behavior	Undergraduate Project Bachelor in Psychology	2020-2021
Psychological and physical violence in Romantic relationships, and their relationship with degree of islamic religious devotion and failure	Undergraduate Project Bachelor in Psychology	2019-2020

7. Publications

7.1 Articles published in international refereed journals (SCI & SSCI & Arts and Humanities)

SCIE Journals

1. Arslan, D. B., Gurvit, H., Genc, O., Kicik, A., Eryurek, K., Cengiz, S., **Erdogdu, E.**, Yildirim, Z., Tufekcioglu, Z., Uluđ, A.M., Bilgic, B., Hanagasi, H., Tuzun, E., Demiralp., T., Ozturk-Isik, E. (2020). The cerebral blood flow deficits in Parkinson's disease with mild cognitive impairment using arterial spin labeling MRI. Journal of Neural Transmission, 1-10. DOI: <https://doi.org/10.1007/s00702-020-02227-6>
2. **Erdogdu, E.**, Kurt, E., Duru, A. D., Uslu, A., Başar-Erođlu, C., & Demiralp, T. (2019). Measurement of cognitive dynamics during video watching through event-related potentials (ERPs) and oscillations (EROs). Cognitive Neurodynamics, 1-10. DOI: 10.1007/s11571-019-09544-x
3. Kicik, A., Tüzün, E., **Erdogdu, E.**, Bilgiç, B., Tüfekçiođlu, Z., Öztürk-Işik, E., Hanađasi, H., Gürvit, H. (2019). Neuroinflammation Mediators are Reduced in Sera of Parkinson's Disease Patients with Mild Cognitive Impairment. Arch Neuropsychiatry 2019. <https://doi.org/10.29399/npa.23624>

7.2. Articles published in other international refereed journals

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7.3. Papers presented at international scientific meetings and published in the proceedings book

1. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, ISMRM 15-20 May 2021.
The perfusion deficits in general cognitive, executive, and visual dysfunction in Parkinson's disease measured by arterial spin labeling MRI . rslan DB, Gurvit H, Genc O, Kicik A, Eryurek K, Cengiz S, **Erdogdu E**, Yildirim Z, Tufekcioglu Z, Uluđ AM, Bilgic B, Hanagasi H, Demiralp T, Ozturk-Isik E. Vancouver, BC, Canada, 15-20 May, 2021. (submitted.)
2. EUROPEAN SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE AND BIOLOGY, Sep-Oct 2020
Determination of Cognitive Impairment in Parkinson's Disease Using Proton Magnetic Resonance Spectroscopic Imaging Based Biomarkers, Sena Azamat, Sevim Cengiz, Dilek Betul Arslan, Ani Kicik, **Emel Erdogdu**, Basar Bilgic, Hasmet Hanagasi, Hakan Gurvit, Tamer Demiralp, Esin Ozturk-Isik
3. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, August 2020 **Perfusion-Based Biomarkers of Mild Cognitive Impairment in Parkinson's disease with different MAPT haplotypes using Arterial Spin Labeling MRI**. Dilek Betul Arslan , Hakan Ibrahim Gurvit , Ozan Genc , Ani Kicik , Kardelen Eryurek , Sevim Cengiz , **Emel Erdogdu** , Zerrin Yildirim , Zeynep Tufekcioglu , Aziz Mufit Uluđ , Basar Bilgic , Hasmet Hanagasi , Erdem Tuzun , Tamer Demiralp , and Esin Ozturk-Isik

4. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, August 2020 **The Cerebral Blood Flow Changes in Parkinson's Disease with Mild Cognitive Impairment Using Arterial Spin Labeling MRI**. Dilek Betül Arslan , Hakan Ibrahim Gurvit , Ozan Genc , Ani Kicik , Kardelen Eryurek , Sevim Cengiz , Emel Erdogan , Zerrin Yildirim , Zeynep Tufekcioglu , Aziz Mufit Ulug , Basar Bilgic , Hasmet Hanagasi , Tamer Demiralp , and Esin Ozturk-Isik
5. ALZHEIMER'S ASSOCIATION INTERNATIONAL CONFERENCE. Los Angeles, USA, July 14-18, 2019. (poster) Cerebral Blood Flow Changes in Different Mapt Genotypes of Parkinson's Disease at Cerebral Cortex Parcellations Obtained from Resting State fMRI. Arslan DB, Yildirim Z, Cengiz S, Kicik A, Erdogdu E, Tufekcioglu Z, Bilgic B, Hangasi H, Ulug AM, Demiralp T, Gurvit IH, Ozturk-Isik E.
6. ALZHEIMER'S ASSOCIATION INTERNATIONAL CONFERENCE. Los Angeles, USA, July 14-18, 2019. (poster) MRSI Based Biomarkers of Parkinson's Disease with Mild Cognitive Impairment at Resting State fMRI Based Brain Parcellations. Cengiz S, Yildirim Z, Arslan DB, Kicik A, Erdogdu E, Yildirim M, Tufekcioglu Z, Bilgic B, Hanagasi H, Ulug AM, Gurvit IH, Demiralp T, Ozturk-Isik E.
7. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, May 2019 **The Evaluation of Cerebral Blood Flow Deficits in Parkinson's Disease Dementia using ASL-MRI at 3T**. Tuncer S, Arslan DB, Deniz TI, Aslan O, Kicik A, Eryurek K, Erdogdu E, Yildirim Z, Tufekcioglu Z, Bilgic B, Hanagasi H, Gurvit H, Demiralp T, Ozturk-Isik E
8. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, May 2019 **The cerebral blood flow changes of executive dysfunction in Parkinson's disease measured by arterial spin labeling MRI at cerebral cortex parcellations obtained from resting state fMRI** Dilek Betül Arslan , Sevim Cengiz , Ani Kicik , Emel Erdogan , Zerrin Yildirim , Zeynep Tufekcioglu , Basar Bilgic , Hasmet Hanagasi , Aziz Mufit Ulug , Tamer Demiralp , Hakan Gurvit , and Esin Ozturk-Isik
9. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE, May 2019 **Longitudinal Changes in Cerebral Blood Flow Calculated by Arterial Spin Labeling MRI in Parkinson's Disease**. Dilek Betül Arslan , Sevim Cengiz , Ozan Genc , Kardelen Eryurek , Ani Kicik , Emel Erdogan , Basar Bilgic , Zeynep Tufekcioglu , Hasmet Hanagasi , Hakan Gurvit , Aziz Mufit Ulug, Tamer Demiralp , and Esin Ozturk-Isik
10. ORGANIZATION FOR HUMAN BRAIN MAPPING – OHBM 2019, Rome, June 2019. **DTI measures to track cognitive decline in Parkinson's disease with MCI and Dementia**. Emel Erdoğan, Ani Kıcıık, Dilek Betül Arslan, Sevim Cengiz, Seda Büker, Zeynep Tüfekçioğlu, Esin Öztürk-İşik, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ, Canan Başar-Eroğlu, Hakan Gürvit, Tamer Demiralp
11. ORGANIZATION FOR HUMAN BRAIN MAPPING – OHBM 2019, Rome, June 2019. **Structural changes in neurocognitive networks related with cognitive decline in Parkinson's disease** Ulaş Ay, Emel

Erdogdu, Ani Kicik, Ali Bayram, Dilek Arslan, Zeynep Tüfekcioglu, Sevim Cengiz, Esin Öztürk-Isik, Basar Bilgic, Hasmet Hanagasi, Aziz Uluğ, Hakan Gürvit, Tamer Demiralp

12. INVESTIGATOR-INITIATED CLINICAL RESEARCH AND DATA SYMPOSIUM, İstanbul University, September 2018, **Magnetic Resonance Imaging Based Functional And Structural Connectivities of the Brain As Possible Clinical Tools For Diagnosis And Follow-Up of Cognitive Disorders.** **Emel Erdogdu**, Ani Kıçık, Çigdem Ulaşođlu-Yıldız, Elif Kurt, Hakan Gürvit, Tamer Demiralp. (**Oral Presentation-Invitation**)
13. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE - ISMRM 2018, Paris **Magnetic resonance spectroscopic imaging based biomarkers of Parkinson 's disease with mild cognitive impairment registered to MNI 152 brain atlas after chemical shift correction.** Cengiz S., Arslan D.B, Kıçık A., **Erdogdu E.**, Yildirim M., Tufekcioglu Z., Bilgic B., Hanagasi H., Ulug A.M., Gurvit H., Demiralp T., Ozturk-Isik E. (oral power pitch presentation)
14. ORGANIZATION FOR EUROPEAN SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE AND BIOLOGY - ESMRMB 2017, BARCELONA **Machine Learning for Classification of Mild Cognitive Impairment in Parkinson's Disease Based on Multiparametric MRI at 3T.** Ozturk-Isik E., Cengiz S., Arslan D.B ., Kıçık A., **Erdogdu E.**, Tufekcioglu Z., Bilgic B., Hanagasi H., Ulug A.M., Demiralp T., Gurvit H.
15. ORGANIZATION FOR HUMAN BRAIN MAPPING – OHBM 2017, Vancouver 25-29.06.2017 **Functional connectivity changes at different stages of cognitive decline in Parkinson's disease.** **Emel Erdogdu**, Ani Kıçık, Seda Buker, Zeynep Tufekcioglu, Dilek Betul Arslan, Sevim Cengiz, Esin Ozturk-Isik, Basar Bilgic, Hasmet Hanagasi, Aziz Mufit Ulug,, Canan Başar-Erođlu, Tamer Demiralp, Hakan Gürvit
16. ORGANIZATION FOR HUMAN BRAIN MAPPING – OHBM 2017, Vancouver 25-29.06.2017. **Correlation of cerebral perfusion and metabolic biomarkers in Parkinson's disease with mild cognitive impairment using ASL-MRI and 1H-MRSI at 3T.** Sevim Cengiz, Dilek Betul Arslan, Ani Kicik, **Emel Erdogdu**, Seda Buker, Zeynep Tufekcioglu, Aziz Mufit Ulug, Basar Bilgic, Hasmet Hanagasi, Hakan Gurvit, Tamer Demiralp, Esin Ozturk-Isik
17. ORGANIZATION FOR HUMAN BRAIN MAPPING – OHBM 2017, Vancouver 25-29.06.2017. **Association of Arterial Spin Labeling MRI with Neurophysiological Test Scores in Parkinson's Disease.** Dilek Betul Arslan, Sevim Cengiz, Ani Kicik, **Emel Erdogdu**, Seda Buker, Zeynep Tufekcioglu, Aziz Mufit Ulug, Basar Bilgic, Hasmet Hanagasi, Hakan Gurvit, Tamer Demiralp, and Ozturk-Isik
18. ORGANIZATION FOR HUMAN BRAIN MAPPING – OHBM 2017, Vancouver 25-29.06.2017. **Correlation of Arterial Spin Labeling MRI and MR Spectroscopic Imaging in Parkinson's Disease at 3T.** Sevim Cengiz, Dilek Betul Arslan, Ani Kicik, **Emel Erdogdu**, Seda Buker, Zeynep Tufekcioglu, Aziz Mufit Ulug, Basar Bilgic, Hasmet Hanagasi, Hakan Gurvit, Tamer Demiralp, Esin Ozturk-Isik

19. ORGANIZATION FOR HUMAN BRAIN MAPPING – OHBM 2017, Vancouver 25-29.06.2017. **Correlation of neuropsychological test scores and metabolic biomarkers in Parkinson’s disease at 3T.** Sevim Cengiz, Dilek Betul Arslan, Ani Kicik, **Emel Erdogan**, Seda Buker, Zeynep Tufekcioglu, Aziz Mufit Ulug, Basar Bilgic, Hasmet Hanagasi, Hakan Gurvit, Tamer Demiralp, Esin Ozturk-Isik
20. ORGANIZATION FOR HUMAN BRAIN MAPPING – OHBM 2017, Vancouver 25-29.06.2017. **Correlation of MRSI based biomarkers and neuropsychological test scores in Parkinson’s disease at 3T.** Sevim Cengiz, Dilek Betul Arslan, Ani Kicik, **Emel Erdogan**, Seda Buker, Zeynep Tufekcioglu, Aziz Mufit Ulug, Basar Bilgic, Hasmet Hanagasi, Hakan Gurvit, Tamer Demiralp, Esin Ozturk-Isik
21. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE – ISMRM, Honolulu April 2017. **Diffusion discriminant for mild cognitive impairment in Parkinson’s disease.** Aziz M. Ulug, Esin Ozturk-Isik, Ani Kicik, **Emel Erdogan**, Sevim Cengiz, Dilek Betul Arslan, Seda Buker, Ali Bayram, Cigdem Ulasoglu-Yildiz, Elif Kurt, Zeynep Tufekcioglu, Basar Bilgic, Hasmet A. Hanagasi, Tamer Demiralp, and Hakan Gurvit
22. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE – ISMRM, Honolulu April 2017. **Comparison of MR spectroscopic imaging findings between different MAPT and COMT genotypes of cognitively normal or mild cognitively impaired Parkinson’s disease patients at 3T.** Sevim Cengiz, Ani Kicik, **Emel Erdogan**, Dilek Betul Arslan, Seda Buker, Zeynep Tufekcioglu, Aziz Ulug, Basar Bilgic, Hakan Gurvit, Tamer Demiralp, Erdem Tuzun, Hasmet Hanagasi, Esin Ozturk-Isik
23. INTERNATIONAL SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE – ISMRM, Honolulu April 2017. **Cerebral Perfusion Correlates of MAPT and COMT Genotypes for Mild Cognitive Impairment in Parkinson’s Disease at 3T.** Dilek Betul Arslan, Ani Kicik, Sevim Cengiz, **Emel Erdogan**, Seda Buker, Zeynep Tufekcioglu, Aziz Ulug, Basar Bilgic, Hakan Gurvit, Tamer Demiralp, Erdem Tuzun, Hasmet Hanagasi, Esin Ozturk-Isik
24. EUROPEAN SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE AND BIOLOGY – Esmrmb, Wien 2016. **Comparison of cerebral blood volume and arterial blood volume between Parkinson’s disease patients with mild cognitive impairment and normal cognition using arterial spin labeling MR at 3T.** D.B. Arslan, S. Cengiz, A. Kicik, **E. Erdogan**, G.H. Hatay, Z. Tufekcioglu, B. Bilgic, A.M. Ulug, H.Hanagasi, H. Gurvit, T. Demiralp, E. Ozturk-Isik (oral presentation)
25. EUROPEAN SOCIETY FOR MAGNETIC RESONANCE IN MEDICINE AND BIOLOGY - Esmrmb, Wien 2016. **Proton MR spectroscopic imaging of Parkinson’s disease with mild cognitive impairment or normal cognition registered to MNI152 brain atlas.** S. Cengiz, D.B. Arslan, **E. Erdogan**, A. Kicik, G.H. Hatay, Z. Tufekcioglu, B. Bilgic, A.M. Ulug, H.Hanagasi, H. Gurvit, T. Demiralp, E. Ozturk-Isik (oral presentation)

26. ORGANİZATİON FOR HUMAN BRAİN MAPPING – OHBM, Genf 2016. **Event-related Potentials as Potential Biomarkers for Cognitive Impairment in Parkinson’s Disease.** Emel Erdođdu, Elif Kurt, Seda Buker, Basar Bilgic, Hasmet Hanagasi, Tamer Demiralp, Canan BasarErođlu
27. ORGANİZATİON FOR HUMAN BRAİN MAPPING – OHBM, Hamburg 2014, **Measurement of Cognitive and Emotional Dynamics during Video Watching Through Event-Related Potentials (ERPs).** Emel Erdođdu, Elif Kurt, Adil Deniz Duru, Atilla Uslu, Canan Basar Erođlu, Tamer Demiralp.
28. JOİNT TURKİSH-GERMAN SYMPOSIUM ON HUMAN NEUROSCİENCE, Berlin 2014. **Electrophysiological measures as potential biomarkers for cognitive impairment in Parkinsons Disease.** Emel Erdođdu, Elif Kurt, Seda Buker, Zeynep Tüfekcioglu, Basar Bilgic, Hasmet Hanagasi, Tamer Demiralp, Canan Basar-Erođlu
29. EUROPEAN CONFERENCE ON VISUAL PERCEPTİON ECVP, Bremen 2013. **Characterization of monkey V1 local field potentials as recorded by different types of chronically implanted multi-electrode arrays.** Detlef Wegener, Sunita Mandon, Victor Gordillo-González, Fingal Orlando Galashan, Emel Erdođdu, Yulia Smiyukha, Iris Grothe, Andreas K. Kreiter.
30. FEDERATİON OF EUROPEAN NEUROSCİENCE SOCIETİES – FENS, Barcelona 2012. **Response comparison of intracortically and epidurally implanted chronic electrodes.** Detlef Wegener, Victor Gordillo González F. Orlando Galashan, Emel Erdođdu, Yulia Smiyukha, Sunita Mandon, Iris Grothe, Andreas K. Kreiter CA

7.4. International books or chapters in books

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7.5. Articles published in national refereed journals

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7.6. Papers/Poster presented at national scientific meetings and published in the proceedings book

1. 55. Ulusal Nöroloji Kongresi, Nov 2019 - PARKİNSON HASTALIđI DEMANSİNİN BEYİN İŞLEVSEL BAđLANTISALLIK ÖZELLİKLERİ Emel Erdođdu, Ani Kıçık, Seda Bükler, Zeynep Tüfekçiođlu, Dilek Betül Arslan, Sevim Cengiz, Esin Öztürk-Işık, Başar Bilgiç, Haşmet Hanađası, Aziz Müfit Uluđ, Canan Başar-Erođlu, Hakan Gürvit, Tamer Demiralp
2. 55. Ulusal Nöroloji Kongresi, Nov 2019 - PARKİNSON HASTALIđINDA KOGNİTİF BOZULMANIN YORDAYICISI OLARAK KORTİKOAMİGDALOID GEÇİŞ ALANI ATROFİSİ Ulaş Ay, Zerrin Yıldırım, Emel Erdođdu, Ani Kıçık, Ali Bayram, Zeynep Tüfekçiođlu, Başar Bilgiç, Haşmet Hanađası, Hakan Gürvit, Tamer Demiralp (oral presentation)

3. 55. Ulusal Nöroloji Kongresi, Nov 2019 - PARKİNSON HASTALARINDA KOGNİTİF BOZULMANIN ARTERYEL SPİN ETİKETLEME MANYETİK REZONANS GÖRÜNTÜLEME TEMELLİ BİYOKİŞARETLEYİCİLERİNİN DEĞERLENDİRİLMESİ. Sena Tunçer, Dilek Betül Arslan, Tanya Deniz İpek, Öznur Aslan, Kardelen Eryürek, Sevim Cengiz, Ani Kıçık, Emel Erdoğan, Zerrin Yıldırım, Zeynep Tüfekçioğlu, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ, Tamer Demiralp, Hakan Gürvit, Esin Öztürk Işık (oral presentation)
4. 55. Ulusal Nöroloji Kongresi, Nov 2019 - PARKİNSON HASTALIĞINDA MAPT GENOTİPLERİNDE KORTEKS PARSELASYONLARINDA SEREBRAL KAN AKIMI DEĞİŞİKLİKLERİ. Dilek Betül Arslan, Zerrin Yıldırım, Sevim Cengiz, Ani Kıçık, Emel Erdoğan, Zeynep Tüfekçioğlu, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ, Tamer Demiralp, Hakan Gürvit, Esin Öztürk-Işık (oral presentation)
5. 55. Ulusal Nöroloji Kongresi, Nov 2019 - PARKİNSON HASTALIĞI HAFİF KOGNİTİF BOZUKLUĞUNUN KORTEKS PARSELASYONLARINDA MR SPEKTROSKOPİK GÖRÜNTÜLEME TEMELLİ BİYOKİŞARETLEYİCİLERİ Sevim Cengiz, Zerrin Yıldırım, Dilek Betül Arslan, Ani Kıçık, Emel Erdoğan, Muhammed Yıldırım, Zeynep Tüfekçioğlu, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ, Hakan Gürvit, Tamer Demiralp, Esin Öztürk-Işık (oral presentation)
6. 55. Ulusal Nöroloji Kongresi, Nov 2019 - PARKİN GEN MUTASYONU TAŞIYAN BİREYLERDE SEREBRAL KAN AKIMININ DEĞERLENDİRİLMESİ VE KOGNİTİF NORMAL PARKİNSON HASTALARI İLE KARŞILAŞTIRILMASI Zeynep Tüfekçioğlu, Merve Çebi, Sena Tunçer, Dilek Betül Arslan, Tanya Deniz İpek, Öznur Aslan, Sevim Cengiz, Ani Kicik, Emel Erdoğan, Zerrin Yıldırım, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ (oral presentation)
7. ULUSAL SİNİRBİLİM KONGRESİ USK, 2018, National Neuroscience Congress, İstanbul Teknik Üniversitesi. Parkinson hastalığında kognitif bozulmayla ilişkili yapısal ve fonksiyonel farklılıklar (Structural and functional differences in Parkinson Patients with cognitive impairment.) Ani Kıçık, Emel Erdoğan, Dilek Betül Arslan, Sevim Cengiz, Başar Bilgiç, Zeynep Tüfekçioğlu, Haşmet Hanağası, Aziz Müfit Uluğ, Erdem Tüzün, Tamer Demiralp, Esin Öztürk Işık, Hakan Gürvit (oral presentation)
8. ULUSAL SİNİRBİLİM KONGRESİ USK – National Neuroscience Congress, İstanbul Teknik Üniversitesi, May 2018. ASL-MR ile Parkinson hastalığı hafif kognitif bozukluğunda serebral perfüzyon değerlendirmesi.(Evaluation of ASL based cerebral perfusion data in Parkinson Patients with mild cognitive impairment.) Dilek Betül Arslan, Sevim Cengiz, Emel Erdoğan, Ani Kıçık, Zeynep Tüfekçioğlu, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ, Hakan Gürvit, Tamer Demiralp, Esin Öztürk Işık (oral presentation)
9. ULUSAL SİNİRBİLİM KONGRESİ USK – National Neuroscience Congress, İstanbul Teknik Üniversitesi, May 2018. Parkinson hastalığı hafif kognitif bozukluğunun MRG temelli makine öğrenme ile sınıflandırılması. (Grouping of Parkinson patients with mild cognitive impairment using MRI derived

maschiene learning methods.) Ozan Genc, Dilek Betül Arslan, Sevim Cengiz, Gökçe Hale Hatay, Ani Kıçık, Emel Erdoğan, Özge Can Kaplan, Zeynep Tüfekçioğlu, Başar Bilgiç, Haşmet Hanağası, Hakan Gürvit, Tamer Demiralp, Aziz Müfit Uluğ, Esin Öztürk Işık (oral presentation)

10. ULUSAL SİNİRBİLİM KONGRESİ USK – National Neuroscience Congress, Sakarya May 2017. Parkinson hastalığında kognitif bozulma ve beynin fonksiyonel bağlantısallık ağları (Cognitive dysfunction in Parkinson's disease and functional connectivity brain networks). Ani Kıçık, Emel Erdoğan, Zeynep Tüfekçioğlu, Dilek Betül Arslan, Sevim Cengiz, Seda Buker, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ, Canan Başar Eroğlu, Erdem Tüzün, Tamer Demiralp, Esin Öztürk Işık, Hakan Gürvit
11. BİYOMUT. Istanbul, Turkey, November 24-26, 2017 Parkinson Hastalığı Hafif Kognitif Bozukluğunun Difüzyon Ağırlıklı Manyetik Rezonans Görüntüleme Temelli Biyoışaretleyicilerinin Belirlenmesi. Kaplan ÖC, Arslan DB, Cengiz S, Kıçık A, Erdoğan E, Hatay GH, Tüfekçioğlu Z, Bilgiç B, Hanağası H, Gürvit H, Demiralp T, Uluğ AM, Öztürk-Işık E. (Poster)
12. ULUSAL SİNİRBİLİM KONGRESİ USK – National Neuroscience Congress, Ankara 2016. Parkinson hastalığında hafif kognitif bozuklukla ilişkili dinlenim durumu fonksiyonel bağlantısallık ağları.(Resting state functional connectivity networks related with mild cognitive impairment in Parkinsons disease). Ani Kıçık, Emel Erdoğan, Seda Buker, Zeynep Tüfekçioğlu, Dilek Betül Arslan, Sevim Nalçacı, Esin Öztürk Işık, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ, Hakan Gürvit
13. ULUSAL SİNİRBİLİM KONGRESİ USK – National Neuroscience Congress, Ankara 2016. Parkinson hastalığında hafif kognitif bozukluğun ayırimsanması için OİP-temelli biyoışaretleyici adayları.(Possible ERP-based biomarkers for the discrimination of Parkinson patients with mild cognitive impairment). Emel Erdoğan, Elif Kurt, Seda Buker, Başar Bilgiç, Haşmet Hanağası, Tamer Demiralp, Canan Başar-Eroğlu
14. ULUSAL SİNİRBİLİM KONGRESİ USK – National Neuroscience Congress, Ankara 2016. Investigation of cerebellum's activity related with implicit motor learning during a serial reaction time task. Çiğdem Ulaşoğlu Yıldız, Kardelen Eryürek, Elif Kurt, Emel Erdoğan, Tamer Demiralp, Hakan Gürvit
15. TÜRK MANYETİK REZONANS DERNEĞİ (TMRD) 2016 Konferansı, Ankara. Atardamar Fırl Etiketleme Manyetik Rezonans Görüntüleme Tekniği Kullanılarak Kognitif Normal ve Hafif Kognitif Bozukluğu olan Parkinson Hastalarının Serebral Kan Akım Değerlerinin Karşılaştırılması. Arslan D.B., Cengiz S., Kıçık A., Erdoğan E., Hatay G.H., Tüfekçioğlu Z., Bilgiç B., Hanağası H., Uluğ A.M., Gürvit H., Demiralp T., Öztürk Işık E. (oral presentation)
16. TÜRK MANYETİK REZONANS DERNEĞİ (TMRD) 2016 Konferansı, Ankara. Hafif kognitif bozukluğu olan ve kognitif normal Parkinson hastalarının üç boyutlu I H manyetik rezonans spektroskopik görüntüleme verilerinin karşılaştırılması. Cengiz S., Arslan D.B., Erdoğan E., Kıçık A., Hatay G .H., Tüfekçioğlu Z., Bilgiç B., Hanağası H., Uluğ A.M., Gürvit H., Demiralp T., Öztürk Işık E. (oral presentation)

17. ULUSAL SİNİRBİLİM KONGRESİ USK – National Neuroscience Congress, Istanbul 2014. Video İzleme Sırasında Kognitif Dinamiklerin Olaya İlişkin Potansiyeller İle Ölçümü. (Measuring cognitive dynamics during video watching using Event-Related Potentials). Emel Erdoğan, Elif Kurt, Adil Deniz Duru, Atilla Uslu, Canan Başar-Eroğlu, Tamer Demiralp

7.7 Other publications

Monography (Doctoral thesis)

Erdoğan, Emel. Using Multimodal MRI Techniques to Derive a Biomarker for Tracking the Pathological Changes Occurring at Different Stages of Cognitive Decline in Parkinson's Disease in a Cross-Sectional Study Design. Doctoral thesis, University of Bremen, September 2017. <https://d-nb.info/1144439450/34>

7.8. International citations

- Li, K. T., Liang, J., & Zhou, C. (2021). Gamma Oscillations Facilitate Effective Learning in Excitatory-Inhibitory Balanced Neural Circuits. *Neural Plasticity*, 2021.
- Han, F., Wang, Z., Fan, H., & Zhang, Y. (2020). High-Frequency Synchronization Improves Firing Rate Contrast and Information Transmission Efficiency in E/I Neuronal Networks. *Neural Plasticity*, 2020.
- Zhang, Z., Lu, Z., Warren, C. M., Rong, C., & Xing, Q. (2020). The late parietal event-related potential component is hierarchically sensitive to chunk tightness during chunk decomposition. *Cognitive Neurodynamics*, 14(4), 501-508.
- Zhang, G., Li, X., & Cong, F. (2020). Objective Extraction of Evoked Event-Related Oscillation from Time-Frequency Representation of Event-Related Potentials. *Neural Plasticity*, 2020.
- Wabg Rubin (2020). Application of quantum mechanics in cognitive neuroscience (*translated from chinese*). Advances in mechanics. 0-0.

8. National & International Projects

- TÜBİTAK AR-GE Project (R-D project): “Parkinson Hastalığı Hafif Kognitif Bozukluğu için Multimodal Manyetik Rezonans Görüntüleme Temelli Biyoışaretleyicilerin Belirlenmesi (Identification of Multimodal Magnetic Resonance Imaging-Based Biomarkers for Parkinson's Disease Mild Cognitive Impairment)”# 115S219: **Doctoral Student**
- DAAD Scholarship #57140539: Using Multimodal MRI Techniques to Derive a Biomarker for Tracking the Pathological Changes Occurring at Different Stages of Cognitive Decline in Parkinson's Disease in a Cross-Sectional Study Design.” (Istanbul University & Bremen University) **Doctoral thesis**

- ERASMUS & Germanstipend scholarships: Electrophysiological measures as potential biomarkers for cognitive impairment in Parkinson's disease". (İstanbul University & Bremen University) **researcher – Master thesis**
- ERASMUS ve Germanstipend scholarships: A new Approach: Testing the Pathogenic Effects of Isolated IgG from Serum Samples of Neuro Behçet patients. (İstanbul University & Bremen University) **Researcher**
- DAAD #57140539 & ERASMUS scholarships: Measurement of Cognitive Dynamics during Video Watching: Producing Event-Related Potentials (ERPs) by Introducing Intermittent Changes in the Video Quality (İstanbul University & Bremen University) **researcher**
- With the support of the Federal Education Aid Act: Comparison of two automatized mapping procedures for the detection of receptive fields of neurons in the primary visual cortex of macaque monkey" (Bremen University) **researcher – Bachelor thesis**

9. Administrative Duties

- ERASMUS Coordinator (Işık University 2019 - xx)
- Department of Psychology International Students Coordinator
- Department of Psychology Internship coordinator (Işık University 2020 - xx)
- Psychology undergraduate department Student counseling (Işık University 2019 - xx)

10. Memberships in Scientific and Professional Organizations

- BAD – Beyin Araştırmaları Derneği (Brain Research Society - Turkey)
- OHBM – Organization for Human Brain Mapping

11. Awards

- **55. National Neurology Congress: first prize for e-poster presentation**
55. Ulusal Nöroloji Kongresi birincilik ödülü/ (poster bildiri) - BRAIN FUNCTIONAL CONNECTIVITY CHARACTERISTICS OF PARKINSON'S DISEASE (PARKINSON HASTALIĞI DEMANSİNİN BEYİN İŞLEVSEL BAĞLANTISALLIK ÖZELLİKLERİ) Emel Erdoğan, Ani Kıçık, Seda Büker, Zeynep Tüfekçioğlu, Dilek Betül Arslan, Sevim Cengiz, Esin Öztürk-Işık, Başar Bilgiç, Haşmet Hanağası, Aziz Müfit Uluğ, Canan Başar-Eroğlu, Hakan Gürvit, Tamer Demiralp
- **55. National Neurology Congress: first prize for oral presentation**
55. Ulusal Nöroloji Kongresi birincilik ödülü (sözel sunum) - CORTICO AMYGDALOID TRANSITION AREA ATROPHY AS A Marker OF COGNITIVE DISABILITY IN PARKINSON'S DISEASE (PARKINSON HASTALIĞINDA KOGNİTİF BOZULMANIN YORDAYICISI OLARAK KORTİKOAMİGDALOID GEÇİŞ ALANI ATROFİSİ) Ulaş Ay, Zerrin Yıldırım, Emel Erdoğan, Ani Kıçık, Ali Bayram, Zeynep Tüfekçioğlu, Başar Bilgiç, Haşmet Hanağası, Hakan Gürvit, Tamer Demiralp
- **National Neuroscience Congress first prize (oral presentation)**

Ulusal Sinirbilim Kongresi birincilik ödülü (sözel sunum) - STRUCTURAL AND FUNCTIONAL DIFFERENCES RELATED TO COGNITIVE DAMAGE IN PARKINSON'S DISEASE (PARKINSON HASTALIĞINDA KOGNİTİF BOZULMAYLA İLİŞKİLİ YAPISAL VE FONKSİYONEL FARKLILIKLAR). Kıçık A., Erdoğan E., Arslan D.B., Cengiz S., Bilgiç B., Tüfekçioğlu Z., Hanağası H., Uluğ A.M., Tüzün E., Demiralp T., Öztürk Işık E., Gürvit H. 2018, İstanbul.

- **Award for “Young Investigator for German-Turkish Project”**, Turkish-German Symposium, Project: “Electrophysiological measures as potential biomarkers for cognitive impairment in Parkinson’s disease.” Rewarded by: 1st Joint Turkish-German Symposium on Human Neuroscience, Max Planck Institute for Human Cognition and Brain Science, Leipzig & Berlin, 2014.
- Below the 10% of the best students in the academic year 2014 at M.Sc. (Master of Neuroscience, University of Bremen) (2014 akademik yılın en iyi %10 mezunların altında)
- Below the 10% of the best students in the academic year 2011 at B.Sc. (Biology, University of Bremen) (2011 akademik yılın en iyi %10 mezunların altında)
- Below the best students in the academic year in 2007 in high school in Bremen. (2007 yılın lise öğrencilerin en iyi %10 mezunların altında)

12. Courses taught

- PSY 415 Research in Cognitive Psychology
- PSY 314.01 Physiological Psychology
- PSY 314.T Fyziolojik Psikoloji
- PSY 650T Psikofizyolojik İncelemeler
- PSYC 2503.01 Cognitive Processes
- PSYC 2502.01 Learning Psychology
- PSYC 3205 Experimental Psychology
- PSYC 4805 Advances in Neurosciences
- PSYC 2501 Foundations in Behavioral Neuroscience
- PSYC 490 Project
- PSY 580 Project
- PSY 590 Thesis
- PSY214 SPSS (Computer Use in Social Science)
- Behavioral Science in Medicine

13. Taken courses

- Laboratory Animal Science, Certificate, March 2012, University of Bremen, Germany.
- „Brain anatomy “, given by Ludwig Maximilian University at Istanbul University, 2013, Turkey.

14. Foreign languages

- German, mother tongue
- Turkish (2. mother tongue), C1 international language certificate (Dilmer language school in Istanbul)

- English, C1 international language certificate (University Certificate + YDS)
- Spanish, beginners level (3 years in school).
- Latin, beginners level (4 years in school).