

CV

1. **Name Surname** : Metehan Irak
2. **Date of Birth** : 1974
3. **Title** : Professor
4. **State of Education** : PhD
5. **Current Institution** : Bahcesehir University, Faculty of Economics, Administrative and Social Sciences, Department of Psychology.

Degree	Department	University	Date
Bachelor's Degree	Psychology	Ankara University	1996
Master's Degree	Experimental Psychology	Hacettepe University	1999
PhD	Experimental Psychology	Hacettepe University	2004

5. Academic Appointments

- Director of Brain and Cognition Research Laboratory at Bahcesehir University Department of Psychology January 2010-
- Assistant Professor at Bahcesehir University Department of Psychology Oct 2009 – Feb. 2011
- Part-time professor at University of Ottawa School of Psychology, Ottawa, Canada, January 2007 - 2009
- Teaching/Research Assistant at Cognitive Psychophysiology Laboratory, Hacettepe University Department of Psychology, Ankara, Turkey. 1997-2004.
- Statistical Analysis and Research Methods Consultant at Turkish Psychological Association, 1998 – 2004.
- Academic Consultant of the 7th National Congress of Psychology Students, June 22-28, 2001. Hacettepe University, Ankara, Turkey

6. Theses Advised

6.1. Postgraduate Theses

1. Neurobiological mechanism of adult attachment and anxiety symptoms: The mediator role of cognitive biases and affect regulation (A.Aydinoğlu, 2013)
2. Reliability and validity of expanded version of Inventory of Depression and Anxiety Symptoms (IDAS-II) in Turkish Culture (E.Aybayrak, 2014)
3. Metacognitive and cognitive mechanism of obsessive compulsive disorder: The role of memory confidence and feeling of knowing judgments (S.Derin, 2014)

4. The effect of violent video games on working memory, object recognition and visuo-spatial perception and its relationships with psychological factors (N.F. Başer, 2015)
5. Effects of violent game addiction on executive functions, response inhibition and emotional memory (H.K. Durna, 2015)
6. Investigation on Cognitive Bias in Adult Attachment (Ö.Özel, 2016)
7. Working Memory Profile in Dyslexia and Other Specific Learning Disorder (Z.Orgun, 2016)
8. Development of source monitoring mechanisms and feeling of knowing (Meliha Çimen, 2016)
9. olaysal bellek görevi altında ölçülen bilme hissinin olay-ilişkili beyin potansiyelleri üzerindeki etkisi (C. Soylu, 2014-*ikinci danışman*)
10. Depressive mood and memory bias: Is breathing exercise effective? (B. Sevim)
11. Accurate and inaccurate feeling of knowing in semantic memory: An ERP study (G. Turan)
12. Effects of mindfulness-based skills program on psychological and metacognitive processes of university Students with obsessive compulsive symptoms (M. Kocaoğlu)
13. Effect of mindfulness-based group Program on cognitive and metacognitive processes of university students with high social anxiety (M. Demirsoy)
14. Effects of violent game addiction on working memory: An ERP study (G. Yılmaz, 2018)
15. Effects of violent game addiction on visuo-spatial memory: An ERP study (Z. Kasap, 2018)
16. Effects of violent game addiction on emotional memory and psychological factors (B. Dericci, 2018)
17. Relationships between delusion-like experiences, lack of control, pattern perception, false memory and decision making (O.G. Çetin, 2019)

6.2. Doctoral Theses

Effect of verbal and audio representation: Relationship between cognitive load and performance under save / erase treatment to create transactive memory condition (E. Akkurt-cont)

7. Publications

7.1. Articles published in internationally refereed journals (SCI,SSCI,Arts and Humanities)

Derin, S. & **Irak, M.** (in press). Metacognitive and cognitive mechanism of obsessive compulsive disorder: The role of memory confidence and feeling of knowing judgments. *Current Approaches in Psychiatry*.

Irak, M., Soylu, C. & Turan, G. (2020). Comparing electrophysiological correlates of judgment of learning and feeling of knowing during face-name recognition. *Cognitive Neuropsychology*, doi: 10.1080/02643294.2019.1707650

Irak, M., & Albayrak, E.O. (2020). Psychometric properties of the expanded version of the Inventory of Depression and Anxiety Symptoms in a Turkish population. *Psychological Reports*, 123(2), 517-545. doi: 10.1177/0033294118813844.

- Irak, M.,** Turan, G., Güler, B., & Orgun, Z. (2019). Investigating memory functions in dyslexia and other specific learning disorders. *Life Span and Disability, 17*(2), 223-253.
- Irak, M.,** Soylu, C. & Çapan, D. (2019). Neurobiological basis of feeling of knowing in episodic memory. *Cognitive Neurodynamics, 13*, 239-256. doi:10.1007/s11571-019-09520-5
- Irak, M.,** & Çapan, D. (2018). Beliefs about memory as a mediator of relations between metacognitive beliefs and actual memory performance. *Journal of General Psychology, 145* (1), 21-44. <https://doi.org/10.1080/00221309.2017.1411682>
- Irak, M.** & Çapan, D. (2016). Relevance vs. valence: Directed forgetting in sub-clinical checkers and washers. *European Journal of Research on Education, 3*(2), 1-13.
- Irak, M.,** Çapan, D., & Soylu, C. (2015). Age related changes in metacognitive processes. *Turkish Journal of Psychology, 30*(75), 64-75.
- Irak, M.,** Soylu, C. & Çapan, D. (2014). Relationships between Wisconsin Card Sorting Test and event-related brain potentials. *Turkish Journal of Psychology, 29*(74), 95-104.
- Hopcan, S., Polat, E., **Irak, M.,** & Adıgüzel, T. (2013). Computerizing the Cancellation Test: Design, development and validation study. *World Journal on Educational Technology, 5*(2), 281-290.
- Irak, M.** (2012). Effect of metacognition and self-esteem on beliefs about memory. *Turkish Journal of Psychology, 27* (69), 47-49.
- Irak, M.** (2012). Standardization of Turkish Form of Metacognition Questionnaire for children and adolescents: The relationships with anxiety and obsessive-compulsive symptoms. *Turkish Journal of Psychiatry, 23*(1):47-54.
- Irak, M.** (2012). Effect of metacognition and self esteem on beliefs about memory. *Turkish Journal of Psychology, 27* (69), 47-49.
- Irak, M.,** & Flament, M.F. (2009). Attention in sub-clinical obsessive-compulsive checkers. *Journal of Anxiety Disorders, 23*, 320-326.
- Irak, M. (2008).** Are people's beliefs about their own memory consistent with controlled studies? *Turkish Journal of Psychology, 23*(62),17-33.
- Irak, M.** & Tosun, A. (2008). Exploring the role of the meta-cognition in obsessive-compulsive and anxiety symptoms. *Journal of Anxiety Disorders, 22*, 1316-1325.
- Tosun, A., & **Irak, M.** (2008). Adaptation, validity, and reliability of the Metacognition Questionnaire-30 for the Turkish Population, and its relationship to anxiety and obsessive-compulsive symptoms. *Turkish Journal of Psychiatry, 19*(1), 67-80.
- Irak, M.,** & Flament, M.F. (2007). Neuropsychological profile of childhood-onset obsessive-compulsive disorder. *Turkish Journal of Psychiatry, 18*(4), 293-301.
- Flament, M.F., Geller, D., **Irak, M.,** & Blier, P. (2007). Specificities in pediatric obsessive-compulsive disorder. *International Journal of Neuropsychiatric Medicine: CNS Spectrum, 12*(2): 43-58.

Irak, M. (2005). Is it metacognition or executive functions? The prediction of feeling of knowing from attention processes which are measured with neuropsychological tests. *Turkish Journal of Psychology*, 20(56), 97-118.

Karakaş, S., Yalın, A., **Irak, M.**, & Erzenin, Ö.U. (2002). Digit span changes from puberty to old age under different levels of education. *Developmental Neuropsychology*, 22(2), 423-

7.2. Articles published in other internationally refereed journals

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7.3. Assertions presented in international scientific congresses and published in the proceedings

Irak, M., Soylu, C., Turan, G., Yavuz, M., Yılmaz, G. & Güler, B. (2018). Reduction of P300 Amplitude during Working Memory Task in Violent Video Game Addiction: An ERP Study. International Congress of Applied Psychology (ICAP), 26-30 June, 2018, Montreal, Canada.

Şen, Y.O., Yavuz, M. Soylu, C. & **Irak, M.** (2018). Does Feeling of Knowing Task Affect Accuracy? International Congress of Applied Psychology (ICAP), 26-30 June, 2018, Montreal, Canada.

Irak, M., Soylu, C., & Çapan, D. (2016). *Playing violent video games and its relations with working memory: An event-related brain potential study*. 3rd European Society for Cognitive and Affective Neuroscience, June 23-26, 2016, Porto, Portuguese.

Soylu, C., Çapan, D., & **Irak, M.** (2016). *Neurobiological basis of emotional memory retrieval in violent game addiction*. 3rd European Society for Cognitive and Affective Neuroscience, June 23-26, 2016, Porto, Portuguese.

Çapan, D. Soylu, C., & **Irak, M.** (2016). *Effects of excessive violent game playing on recognition: an event related brain potential study*. 3rd European Society for Cognitive and Affective Neuroscience, June 23-26, 2016, Porto, Portuguese.

Irak, M., Soylu, C., Çapan, D., & Aydınoğlu, B.A. (2015). *Neurobiological differences between anxious and avoidant attachment styles on implicit memory*. 120th Annual American Psychological Association Congress, 6-9 August, 2015 Toronto, Canada.

Neşe, H., Soylu, C., **Irak, M.**, Adanalı, P. & Akın, A. (2016). Functional Connectivity of Resting State as a Biomarker for Working Memory Performance. *Front. Neuroinform. Conference Abstract: Neuroinformatics 2016. Reading, UK, September 3-4* doi: 10.3389/conf.fninf.2016.20.00061

Irak, M. & Çapan, D. (2015). *Effects on aging on beliefs about memory, metacognition and actual memory performance*. VI. European Conference on Social and Behavioral Sciences, February 5-7, Selçuk, İzmir.

Irak, M. & Çapan, D. (2015). *Relevance vs. valence: Directed forgetting in sub-clinical checkers and washers*. 6. European Conference on Social and Behavioral

Sciences, February 5-7, Selçuk, İzmir.

Irak, M. (2015). Neurobiology of Metacognition and Feeling-of-Knowing. XII. International Cognitive Neuroscience Meeting, 15-17 May, Üsküdar Üniversitesi, İstanbul.

Irak, M., Soylu, C., & Özgör, C. (2014). *Investigation of neural basis of face-name association: An event-related potential study.* The Organization of Human Brain Mapping, June 5-7, 2014, Hamburg, Germany.

Aydinoğlu, B.A., Soylu, C., & **Irak, M.,** & (2014). *Attachment Style on Attention: Electrophysiological Evidence.* The Organization of Human Brain Mapping, June 8-12, 2014, Hamburg, Germany.

Irak, M., Çapan, D., Soylu, C., & Özgör, C. (2014). Investigation of neural basis of face name association: An event-related potential study. 1st Joint Turkish-German Symposium on Human Neuroscience, June 5-7, Berlin, Germany.

Irak, M., Özel, Ö. Soylu, C., & Özgör, C. (2014). Electrophysiological evidence for feeling of knowing in semantic memory. 1st Joint Turkish-German Symposium on Human Neuroscience, June 5-7, Berlin, Germany.

Irak, M., Soylu, C., & Özgör, C. (2014). Electrophysiological correlates of correct and incorrect recognition in episodic memory. 1st Joint Turkish-German Symposium on Human Neuroscience, June 5-7, Berlin, Germany.

Irak, M., Soylu, C., & Özgör, C. (2014). Electrophysiological correlates of correct and incorrect recognition in episodic memory. 2nd European Society for Cognitive and Affective Neuroscience, May 7-9, 2014, Dortmund, Germany.

Irak, M., Soylu, C., Özgör, C. (2014). Electrophysiological evidence for feeling-of-knowing in semantic memory. 2nd European Society for Cognitive and Affective Neuroscience, May 7-9, 2014, Dortmund, Germany.

Irak, M., Özgör, C., Soylu, C. (2014). Investigation of metacognition in episodic memory: An event-related brain potential study. 2nd European Society for Cognitive and Affective Neuroscience, May 7-9, 2014, Dortmund, Germany.

Aydinoğlu, B.A., & Soylu, C. & **Irak, M.,** (2014). Comparison between anxious and avoidant attachment style on attention: An event related potential study. 2nd European Society for Cognitive and Affective Neuroscience, May 7-9, Dortmund, Germany.

Irak, M., Soylu, C., Özgör, C. (2014). Investigation of neural basis of face-name association: An event-related potential study. 2nd European Society for Cognitive and Affective Neuroscience, May 7-9, 2014, Dortmund, Germany.

Aydinoğlu, B.A., & **Irak, M.** (2013, July). *Adult attachment and affect regulation: The mediating role of implicit and explicit memory bias.* 13th European Congress of Psychology. July 9-12, 2013, Stockholm, Sweden.

Özgör, C., **Irak, M.,** Çapan, D., Berkay, D., Taşçı, D., Temel, M., Yıldızhan, F., & Toker, B. (July, 2013). *Event-related potentials under color-naming Stroop task.* 13th European Congress of Psychology. July 9-12, 2013, Stockholm, Sweden.

- Irak, M.** & Özgör, C. (2013, June). *Effect of feedback on feeling of knowing*. European Conference on Social and Behavioral Sciences, June 19-21, 2013 Marmara University Istanbul. International Association of Social Sciences Research,
- Özgör, C., Soylu, C., & **Irak, M.** (2013, June). *Effect of correct and incorrect responses during Wisconsin Card Sorting Test on event-related brain potentials*. European Conference on Social and Behavioral Sciences, June 19-21, 2013 Marmara University Istanbul. International Association of Social Sciences Research.
- Irak, M.** (2013, March). *Neural correlates of metamemory monitoring and decision*. Bahçeşehir University Department of Psychology. March 16 2013 Bahçeşehir University, Berlin.
- Irak, M.** (2012, June). *Metacognition in OCD: Neurobiological perspective*. Bahçeşehir University Department of Psychology & University of Cambridge Joint Meeting. June 6 2012, Bahçeşehir University, İstanbul.
- Irak, M.**, Özgör, C. & Yıldızhan, F. (2011, July). *Episodic vs semantic metamemory: Evidence from nature of feedback*. 12th European Congress of Psychology. July, 4-8, 2011, Istanbul, Turkey.
- Irak, M.**, Çapan, D., Çelik, H., Erçelik, P., Oğuz, Z. (2011, July). *Memory bias in sub-clinical obsessive – compulsive checkers*. 12th European Congress of Psychology. July, 4-8, 2011, Istanbul, Turkey.
- Irak, M.**, et al. (2011, July). *Turkish form of Metacognition Questionnaire for Children: Psychometric skills and its relationships with anxiety and obsessive-compulsive symptoms*. 12th European Congress of Psychology. July, 4-8, 2011, Istanbul, Turkey.
- Hopcan, S., Polat, E., **Irak, M.**, & Adigüzel, T. (2011, May). *Computerizing The Cancellation Test: Design, development and validation study*. International Educational Conference, May 25-27, 2011, Istanbul, Turkey.
- Irak, M.**, Flament, M.F. & Smith, A. (2010, May). *Investigation of high order cognitive functions and regional brain activations in youth with obsessive-compulsive disorder*. Cognitive Neuroscience VII. May, 18-20, 2010 Istanbul, Turkey.
- Irak, M.**, Altinoglu-Dikmeer, I., Akozel-Sahin, A., & Erol, N. (2008, April). *Factor structure of an executive function test battery in Turkish elementary and secondary school aged children*. 18th World Congress of International Association for Child and Adolescent Psychiatry and Allied Professional (IACAPAP 2008), Istanbul, Turkey.
- Irak, M.** & Aslitürk, E. (2007, July). *How other's feedback effect our feeling of knowing judgments?* Xth European Congress of Psychology, Prague, Czech Republic.
- Irak, M.**, Tosun, A., & Uysal-Irak, D. (2007, June). *Exploring the role of the metacognition in obsessive-compulsive and anxiety symptoms*. Canadian Psychological Association Meeting, Ottawa, ON, Canada. *Canadian Psychology*, 48(2a), 69.
- Karakaş, S., Erzenin, Ö.U., Bekçi, B., Çakmak, E., **Irak, M.** & Özkan, A. (2004, September). *The effect of gender on the early time-locked gamma response*. International Journal of Psychophysiology, 54(1-2), 141-142. 12th World Congress of Psychophysiology, Thessaloniki, Greece.

Kılıç, B.G. Koçkar, A.İ., **Irak, M.**, Şener, Ş., & Karakaş, S. (2002, October). *Normal neuropsychological development in the school-age years: Performance on the Stroop Task in 6-11 year old children*. International Congress of Child and Adolescent Psychiatry and Allied Professions, New Delhi, India.

Kılıç, B.G. Koçkar, A., **Irak, M.**, Şener, Ş., & Karakaş, S. (2002, October). *The psychometric properties and clinical utility of the Turkish Form of a Cancellation Test in children*. International Congress of Child and Adolescent Psychiatry and Allied Professions, New Delhi, India.

Kılıç, B.G. Koçkar, A.İ., **Irak, M.**, Şener, Ş., & Karakaş, S. (2002, October). *Digit span changes as assessed by the Visual Aural Digit Span Test Revised Form (VADS-R)*. International Congress of Child and Adolescent Psychiatry and Allied Professions, New Delhi, India.

Irak, M., Karakaş, S., Erzenin, Ö.U. (2000). *The effect of divided and focused attention on event-related potentials and oscillations*. 10th World Congress of the International Organization of Psychophysiology (IOP). International Journal of Psychophysiology, 35(1), 66.

Irak, M., Karakaş, S., Erzenin, Ö.U., Aydın, H., Kafadar, H., Çakmak, E., D., Bekçi, B., (2000). *Auditory information processing during sleep stages 1-4 and REM*. Brain-Machine 2000 Workshop, 141-148, TÜBİTAK, Ankara.

Karakaş, S., Yalın, A., & **Irak, M.** (1999, October). *Age-related changes in digit span: Short-term memory capacity from puberty age for different levels of education*. 2nd International Symposium on Neuropsychological Assessment of Mental and Behavioral Disorders, Society of Biological Psychiatry. Uludag University Bursa, Turkey.

7.4. International books published, or chapters from a book

Irak, M., Soylu C., Sakman, Ö.K. & Turan, G. (2020). *ERP Correlates of working memory load in excessive video game players*. B.Bostan (Ed). In: Game User Experience and Player-Centered Design (pp. 1-23). Springer. ISBN: 978-3-030-37642-0

Irak, M., Soylu C., Tümen, C. & Turan, G. (2020). *Investigation of response inhibition in excessive video game playing: An Event-related potential study* B.Bostan (Ed). In: Game User Experience and Player-Centered Design (pp. 44-65). Springer. ISBN: 978-3-030-37642-0

Irak, M., Soylu C., & Çapan, D. (2016). *Violent video games and cognitive processes: A neuropsychological approach*. B.Bostan (Ed). Gamer Psychology and Behavior. London, UK: Springer. ISBN: 978331929904-4 (e-book) / 978-3-319-29903-7

Irak, M. & Özgör, C. (2014). *Effect of feedback on feeling-of-knowing*. G.Rata, H. Arslan, P.L. Runcan, & A. Akdemir (Ed.). Interdisciplinary Perspective on Social Sciences. Cambridge UK: Cambridge Scholar Publishing (pp. 89-96). (ISBN: 978-1-4438-5579-2)

7.5. Articles published in national refereed journals

Irak, M. (2012). The role of serotonin in cognitive functions. *Turkish Psychological Articles*, 15 (29), 13-22.

Irak, M. (2005). Awareness remembering and forgetting: The process of metacognition in healthy and brain damaged individuals. *Turkish Psychological Review*, 8 (supp.), 1-15.

- Kılıç, B.G. Koçkar, A.İ., **Irak, M.**, Şener, Ş. & Karakaş, S. (2002). Standardization study of the Stroop Test TBG Form in children between 6-11 years of age. *Journal of Child and Adolescent Mental Health*, 9(2), 86-99.
- Kılıç, B.G. Koçkar, A.İ., **Irak, M.**, Şener, Ş. & Karakaş, S. (2002). Assessment of the development of memory span of 6-11 year old children by Visual Aural Digit Span-Revised Form (VADS-R). *Journal of Psychiatry, Psychology and Psychopharmacology*, 10(3), 243-254.
- Kılıç, B.G. **Irak, M.**, Koçkar, A.İ., Şener, Ş. & Karakaş, S. (2002). Standardization study of the Turkish Form of Cancellation Test in 6-11 year old children. *Journal of Clinical Psychiatry*, 5(4), 213-228.
- Irak, M.**, & Karakaş, S. (2002). Event-related potentials and gamma responses for individuals having high and low attention performance. *Journal of Clinical Psychiatry*, 5(3), 169-176.
- Irak, M.**, & Karakaş, S. (2000). The effect of attention on brain neuroelectric activities. *Journal of Psychiatry, Psychology and Psychopharmacology*, 7(3), 179-192.
- Karakaş, S., **Irak, M.**, Kurt, M. & Erzenin, Ö.U. (1999). Wisconsin Card Sorting Test and Stroop Test TBAG Form: Comparative analysis of the measured properties. *Journal of Psychiatry, Psychology and Psychopharmacology*, 7(3), 179-192
- Irak, M.** (1998). Sleep and information processing. *Turkish Psychological Review*, 1(1), 13-20.

7.6. Assertions presented in national scientific congresses and published in the proceedings.

- Irak, M.**, Özgör, C., Soylu, C., Şenyer, S., Uslu, E. (2014). *Anlamsal bellek görevi altında elde edilen bilme hissi kararlarının olay ilişkili beyin potansiyellerine etkisi*. 18. Ulusal Psikoloji Kongresi, 9-12 Nisan, Uludağ Üniversitesi & Türk Psikologlar Derneği, Bursa.
- Irak, M.** (2014). *Türkiye'de Psikoloji lisans ve lisansüstü eğitiminde yaşanan sorunlar ve çözüm önerileri*. 18. Ulusal Psikoloji Kongresi, 9-12 Nisan, Uludağ Üniversitesi & Türk Psikologlar Derneği, Bursa.
- Irak, M.**, Özgör, C., Soylu, C., Çapan, D. Şenyer, S., Uslu, N., E.(2014). *Yüz ve isim tanımının nörobiyolojik temelleri: Olay ilişkili beyin potansiyelleri ve kaynak belirleme analizi sonuçları*. 12. Ulusal Sinirbilim Kongresi , İstanbul Üniversitesi İstanbul Tıp Fakültesi Dergisi, 77.1.
- Irak, M.**, Özgör, C., Soylu, C., Çapan, D. Şenyer, S., Uslu, N., E.(2014). *Anlamsal bellek görevi sırasındaki üst-biliş kararları: Olay ilişkili beyin potansiyelleri bulguları*. 12. Ulusal Sinirbilim Kongresi, İstanbul Üniversitesi İstanbul Tıp Fakültesi Dergisi, 77.1.
- Irak, M.**, Özgör, C. & Çapan, D. (2012). *Bilme hissi kararlarının frontal bölgeyle ilişkisi*. 17. Ulusal Psikoloji Kongresi, 25-28 Nisan 2012, Türk Psikologlar Derneği & Boğaziçi Üniversitesi Psikoloji Bölümü, İstanbul.
- Irak, M.** & Flament, M.F. (2006, Eylül). *Obsesif-kompulsif bozuklukta dikkat yanlılıkların dikkatin türlerine göre değişimi* . 14. Ulusal Psikoloji Kongresi. Türk Psikologlar Derneği & Hacettepe Üniversitesi Psikoloji Bölümü, Ankara.

- Irak, M** (2006, Eylül). *Otobiyografik anılar mı? Otobiyografik inançlar mı? Otobiyografik bellekte üst-biliş. Panel: Klinik kuramlarda ihmal edilmiş bir kavram: Otobiyografik bellek*. 14. Ulusal Psikoloji Kongresi. Türk Psikologlar Derneği & Hacettepe Üniversitesi Psikoloji Bölümü, Ankara.
- Şahin-Aközel, A., **Irak, M**, Altınoğlu-Dikmeer, İ., Erol, N., & Akçakın, M. (2006). İlköğretim çağı çocuklarında kullanılan yönetici işlev testlerinden İz Sürme Testi'nin norm değerlerinin belirlenmesi ve güvenilirlik çalışması. 14. Ulusal Psikoloji Kongresi. Türk Psikologlar Derneği & Hacettepe Üniversitesi Psikoloji Bölümü, Ankara.
- Şahin-Aközel, A., **Irak, M**, Altınoğlu-Dikmeer, İ., Erol, N., & Akçakın, M. (2006). İlköğretim çağı çocuklarında yönetici işlevlerin Wisconsin Kart Eşleme Testi kullanılarak incelenmesi. 14. Ulusal Psikoloji Kongresi. Türk Psikologlar Derneği & Hacettepe Üniversitesi Psikoloji Bölümü, Ankara.
- Altınoğlu-Dikmeer, İ., **Irak, M**, Şahin-Aközel, A., Erol, N., & Akçakın, M. (2006). İlköğretim çağı çocuklarında kullanılan yönetici işlev testlerinden Kelime Akıcılığı Testi'nin norm değerlerinin belirlenmesi ve güvenilirlik çalışması. 14. Ulusal Psikoloji Kongresi. Türk Psikologlar Derneği & Hacettepe Üniversitesi Psikoloji Bölümü, Ankara.
- Irak, M** (2004, Eylül). Sağlıklı insanda ve bazı beyin hasarlarında üst-biliş sisteminin işleyişi. *Panel: Psikopatolojilerde bilgi işleme süreçleri*. 13. Ulusal Psikoloji Kongresi, Türk Psikologlar Derneği & İstanbul Bilgi Üniversitesi, İstanbul.
- Irak, M** & Karakaş, S. (2004, Eylül). *Nöropsikolojik testler yoluyla meta-bellek. Panel: Nöropsikolojik yaklaşımın sağlıklı insanın bilişsel süreçlerinde kullanımı*. 13. Ulusal Psikoloji Kongresi, Türk Psikologlar Derneği & İstanbul Bilgi Üniversitesi, İstanbul.
- Karakaş, S., Bekçi, B., Kurt, M., **Irak, M**, & Erzenin, Ö.U. (2004, Eylül). *Görsel-uzaysal algılamada cinsiyetin etkisi yaşa göre değişmektedir. Panel: Nöropsikolojik yaklaşımın sağlıklı insanın bilişsel süreçlerinde kullanımı*. 13. Ulusal Psikoloji Kongresi, Türk Psikologlar Derneği & İstanbul Bilgi Üniversitesi, İstanbul.
- Koçkar, A.İ., Kılıç, B.G., **Irak, M**, & Karakaş, S. (2004, Eylül). *6-11 yaş sağlıklı çocuklarda üç nöropsikolojik değerlendirme aracının standardizasyonu. Panel: Dikkat eksikliği hiperaktivite bozukluğunun bilişsel temelleri*. 13. Ulusal Psikoloji Kongresi, Türk Psikologlar Derneği & İstanbul Bilgi Üniversitesi, İstanbul.
- Dürü, Ç., Işıklı, S., **Irak, M**, Uysal Irak, D., & Solmuş, T. (2004, Eylül). Türkiye'de sigara ve alkol kullanım yaygınlığı: sigara ve alkol kullanım davranışının aile işlevleri ve arkadaş etkisiyle ilişkileri. 13. Ulusal Psikoloji Kongresi, İstanbul, Türk Psikologlar Derneği & İstanbul Bilgi Üniversitesi, İstanbul.
- Dürü, Ç., Işıklı, S., **Irak, M**, Uysal Irak, D., & Solmuş, T. (2004, Eylül). Türkiye'de madde ve tıp dışı ilaç kullanım yaygınlığı: madde ve tıp dışı ilaç kullanım davranışının aile işlevleri ve arkadaş etkisiyle ilişkileri. 13. Ulusal Psikoloji Kongresi, Türk Psikologlar Derneği & İstanbul Bilgi Üniversitesi, İstanbul.
- Irak, M**. (2004). *Üst-biliş ve dikkat arasındaki ilişkiler*. Beyin ve Biliş: TÜBİTAK Beyin Dinamiği Multidisipliner Çalışma Grubu 15. Çalıştayı, 3-4 Mart 2004, Ege Üniversitesi, İzmir

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Irak, M. & Karakaş, S. (2002). *Kognitif süreçlerin beyin elektriksel potansiyellerine etkisi*. I. Nöropsikolojik Uygulamalar ve Disiplinlerarası Yaklaşımlar Sempozyumu. 3-4 Mart 2002, Falez Otel, Antalya.

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Karakaş, S., Çakmak, E.D., Bekçi, B., & **Irak, M** (2000, June). *A behavioral phenomenon enlightened through biological methods: Preconscious perception and its electrophysiological correlates*. Işık 2000 Workshop on Biomedical Engineering: Proceedings. İstanbul: Bogaziçi Univ. Printhouse.

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Karakaş, S., Kafadar, H., **Irak, M**, Kaya, G. & Bekçi, B. (2000, Eylül). *Yaş ve eğitimin bilişsel süreçlere etkisi*. XI. Ulusal Psikoloji Kongresi, Türk Psikologlar Derneği & Ege Üniversitesi Psikoloji Bölümü, İzmir.

Karakaş, S., Aydın, H., Kafadar, H., Çakmak, E.D., **Irak, M**, Erzenin, Ö.U., & Bekçi, B. (2000, March). *Auditory information processing during sleep 1-4 and REM*. In: U. Halıcı, K. Leblebicioğlu, V. Atalay, E. Nalçacı (Eds.), *Brain Machine* (pp. 141-146). Middle East Technical University, Ankara.

Irak, M, Karakaş, S., & Erzenin, Ö.U. (1999, Mayıs). *Dikkatin olay-ilişkili beyin potansiyellerine ve olay-ilişkili beyin osilasyonlarına etkisi*. XVI. Ulusal Klinik Nörofizyoloji ve EEG-EMG Kongresi, Klinik Nörofizyoloji & EEG-EMD Derneği Kayseri Şubesi, Kayseri.

Karakaş, S., Çakmak, E.D. & **Irak, M** (1999, Kasım). *Elektromanyetik kirliliğin nöroelektrik tepkilere etkisini incelemede kullanılacak teknoloji ve uygulamalar*. Bilişim Toplumuna Giderken Elektromanyetik Kirlilik Etkileri Sempozyumu. Türkiye Bilişim Derneği, Ankara.

Karakaş, S., **Irak, M**, & Erzenin, Ö.U. (1998, Eylül). *Wisconsin Kart Eşleme Testi (WCST) ve Stroop Testi TBAG Formu puanlarının testiçi ve testlerarası ilişkileri*. 10. Ulusal Psikoloji Kongresi. Türk Psikologlar Derneği & Ankara Üniversitesi DTCF Psikoloji Bölümü, Ankara.

7.7. Other publications

7.7.1. Invited Talks

Irak, M. (2015). Neurobiology and neuropsychology of game addiction. 20. National Psychology Students Meeting, 27-29 July, Hasan Kalyoncu University, Gaziantep.

Irak, M. (2015). Workshop: Neurobiological research in psychology 20. National Psychology Students Meeting, 27-29 July, Hasan Kalyoncu University, Gaziantep.

Irak, M. (2015). Neurobiology of Metacognition and Feeling-of-Knowing. XII. International Cognitive Neuroscience Meeting, 15-17 May, Üsküdar Üniversitesi, İstanbul.

Irak, M. (2015). Neurobiology of feeling-of-knowing. İstanbul University Çapa medical School neurology Department Meeting, June 11, 2015, İstanbul.

Irak, M. (2014). 'Do I know what I know?' Neurobiological foundations of metacognition. 19. National Psychology Students Meeting 24-27 June, 2014, Samsun 19 Mayıs University.

Irak, M. (2014). Neurobiological foundations of consciousness and knowing. Kemerburgaz University, 17-18 April, 2014, İstanbul.

Irak, M (2013). *Neural correlates of metamemory*. Different faces of cognition: From theory to practice, March 14-15, 2013, Berlin, Germany. Bahcesehir University International Seminar Series.

Irak, M. (2012). Metacognition in obsessive compulsive disorders. International Symposium on OCD & ADHD: Cognitive and Therapeutic Perspective. June 16, 2012. İstanbul, Turkey.

Irak, M. (2011). Neurobiology of metacognition: Difference between knowing and can not knowing. 5th National Psychology Graduate Students Meeting. September 14-16, 2011. Dogus University, İstanbul.

- Irak, M.** (2009). Neurobiology of metacognition. Izmir Ekonomi University Departmental Seminar. December 1st, 2010.
- Irak, M.** (2009). Knowing about knowing: Metacognition in obsessive-compulsive disorders. Marmara University Department of Child Psychiatry Seminar. June 10, 2010.
- Irak, M.** (2008). Metacognition in anxiety disorders. University of Ottawa Institute of Mental Health Research's Young Researchers Forum. February 15th, 2008. Ottawa, Canada.
- Flament, M.F., & **Irak, M.** (2006). Neurobiological and clinical evidence in childhood-onset OCD. 19th European College of Neuropsychopharmacology Congress (ECNP), Sep. 16-20, Paris, France.
- Irak, M.** & Flament, M.F. (2006). Neurobiology and cognitive aspects of OCD. Children Hospital of Eastern Ontario (CHEO), Mental Health PSU Research Rounds, 21 March 2006, Ottawa, Canada.
- Irak, M.** (2004). Difference between recall and forgetting **9th National Psychology Students Meeting. 30 June-4 July, 2004. Uludag University, Bursa.**
- Irak, M.** & Erzenin, O.U. (1999). *Course in SPSS 7.51 and its use in statistical analysis*. 2nd International Symposium on Neuropsychological Assessment of Mental and Behavioral Disorders, Society of Biological Psychiatry. 20-23 October 1999 Uludağ University, Bursa, Turkey.

8. Projects

- Investigation of the relationships between differences in episodic memory encoding and feeling-of-knowing performance using event-related potentials. *Submitted to* The Scientific and Technical Research Council of Turkey (2.5 years; CAD 100.000)
- Neurobiological foundations of metacognition: Investigation of temporal primacy of monitoring and control processes by using event-related potentials, and the relationships with attention and perceptual processes. The Scientific and Technical Research Council of Turkey-TÜBİTAK (Principal Investigator). (2 years; CAD 65.000)
- Changes in executive functions, metacognition, and regional brain activations in adolescents with obsessive-compulsive disorder. The Provincial Centre of Excellence for Child and Youth Mental Health at CHEO, (Principal Investigator (2 years; CAD120.000).
- Effects of SSRI pharmacotherapy on executive functions, metacognition, and brain activations in childhood-onset obsessive-compulsive disorder: Pilot study for a pre-post treatment investigation using neuropsychological, cognitive, and neuroimaging paradigms (2006). University of Ottawa Medical Research Grant (Co-investigator) (2 years; CAD35.000).
- Standardization of Metacognition Questionnaire-30 Form in Turkish culture and relations between metacognition and obsessive-compulsive and anxiety symptoms in Turkish university students. Okan University Research Grant Unit (Co-investigator). (2 years; \$12.000).
- The Turkish standardization and reliability study of neuropsychological test used in the assessment of executive functions of elementary and secondary school age children (2006). Ankara University Research Grant Unit (Co-investigator). (2 years; \$6.000).
- Investigation of relations between attention, meta-cognition, and different memory types in human (2002). Hacettepe University Research Grant Unit. (Principal Investigator). (1 year; \$2.000).
- Prevalence of substance use in Turkey and relationship of substance use behavior with family functions and friend's effect (2002). Turkish Psychological Association & Family Research Institution Ministry of Labor and Social Security (Co-investigator). (1.5 year - \$85.000)

- Classroom Based Intervention Evaluation Study (2002). UNICEF-Turkey Office (Co-investigator). (16 months - \$19.000)
- Effects of auditory inputs on different sleep periods. (2000). The Scientific and Technical Research Council of Turkey-TÜBİTAK- (Co-investigator). (2 years - \$15.000)
- Analysis of neuropsychological test performance using brain mapping, event-related potentials and oscillations. (1999). Prime Ministry State Planning Organization (Co-investigator). (2 years - \$48.000)
- The effect of divided and focused attention on event-related potentials and oscillations (1999). Hacettepe University Research Grant Unit (Principal Investigator). (1 year - \$5.000)

9. Administrative Services

Department Chair, Bahcesehir University, 2013-2018

Coordinator, Cognitive Neuropsychology Graduate Program, 2015-

10. Professional Affiliations

Cognitive Neuroscience Society, 2008 -

- European Cognitive and Affective Neuroscience, 2014 -

- Nöropsikoloji Derneği, 2013

- Türk Psikologlar Derneği, 1997-

11. Fellowships and Awards

1. Turkish Psychological Association Prof. Işık Savaşır Best Clinical Research Award (2015)
2. International Union of Psychological Science (IUPsyS), Young Scientist Program Award, 2008 (ICP-2008).
3. International Association for Child and Adolescent Psychiatry and Allied Professional (IACAPAP), Donald J. Cohen Fellowship, 2008.
4. The Provincial Centre of Excellence for Child and Youth Mental Health, Ontario, Canada, Postdoctoral Fellowship Award, (2007-2009).
5. University of California, Santa Barbara, Fellowship at Summer Institute in Cognitive Neuroscience, June-July 2007.
6. University of Ottawa, Best Clinical Research Award, 2005.
7. Turkish Academy of Sciences, Scientific Publication Support Award, 2003.
8. Turkish Psychiatric Association, Prof. Mualla Öztürk Best Research Award in Child and Youth Mental Health, 2002.
9. Journal of Psychiatry, Psychology and Psychopharmacology, Best Research Award, 1999.

12. Please fill out the chart below for undergraduate and graduate courses you have given in the last 2 years.

Academic Year	Semester	Course	Weekly Course Hours		Number of Students
			Practical	Practical	
2018-2019	Fall	Statistical Methods and Applications-I*	3		32
		Advanced Statistics in Cog. Neuropsychy-1	3		12
	Spring	Statistical Methods and Applications-II*	3		25
		Cognition, Learning and Technology**	3		15
		Advanced Neuropsychology*	3		11
	Summer	Cognitive Psychology	3		124
Seminars in Psychology		3		29	
2019-2020	Fall	Advanced Statistics in Cog. Neuropsychy-1*	3		10
		Cognitive Electrophysiology*	3		10
		Seminars in Psychology	3		24
	Spring	Advanced Statistics in Cog. Neuropsychy-2*	3		8
		Advanced Neuropsychology*	3		8

* Master , **PhD