



**Zahra Alemi**

**Contact information:**

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**Academic Background:**

- ✓ PhD Student in Cognitive Neuroscience, Brain and Cognition.  
2020-Present in Institute for Cognitive Science Studies, Tehran,  
Iran.
- ✓ MSc of Cognitive Science majoring in Cognitive Rehabilitation.  
2018- 2020 in Institute for Cognitive Science Studies, Tehran, Iran.  
**Thesis:** The effect of binaural beats on time perception in healthy  
adults
- ✓ M.S. of Clinical Medical Engineering, 2005-2010 in Islamic Azad  
University Science and Research Branch, Tehran, Iran.  
**Thesis:** investigating the correlation of emotional intelligence  
components by EEG in alpha and beta bands.

**Scientific Position:**

- ✓ Member of Iranian Neuroscience Society.

- ✓ Certificate of Technical Supervisor of Medical Engineering (Ministry of Health).

### **Executive Position:**

- ✓ Clinician Cognitive Neurorehabilitation in Brain and Cognition Clinic.
- ✓ Supervisor of Department of Neurophysiology in Brain and Cognition Clinic. (April 2020 to September 2021)
- ✓ Supervisor of Department of Neurophysiology in Youtop clinic.
- ✓ Clinician of Cognitive Neurorehabilitation in Youtop clinic.
- ✓ Clinician of Cognitive Neurorehabilitation, Cognitive Assessment and Brain Stimulation in Arameshe Zehn Counseling Center.

### **Training:**

- ✓ Online Course in “Cognitive Neuroscience based on the book Gazzaniga”, Sharif University Interdisciplinary School, Tehran, Iran. Summer 2023
- ✓ Online course of “neuropsychiatric evaluation and examinations”. Brain and Cognition Clinic, Tehran, Iran. 2021
- ✓ Online course of “cognitive neuroscience based on the book Gazzaniga” (Chapter 3), Shenakht Center, Tehran, Iran. 2021

- ✓ Workshop on “recording, processing and analysis of EEG signals. (ERP, LORETA)”, National Brain Mapping Laboratory, Tehran, Iran. 2021
- ✓ General Course in “Neuroscience and Cognitive Sciences”, Sharif University Interdisciplinary School, Tehran, Iran. 2020- 2021
- ✓ Online course of “psychopharmacology”, Brain and Cognition Clinic, Tehran, Iran. 2020
- ✓ Online Course “An Introduction and Practical Guide to the Effective Treatment of Autism with IM”, Conducted by the Clinical Education of Interactive Metronome, Inc , Florida. 2020
- ✓ Workshop of “The Introduction of Questionnaires and Tools for Assessing Learning Disabilities”, Brain and Cognition Clinic, Tehran, Iran. 2020
- ✓ Online Course of “An Introduction of EEG/Eye Tracker Integration”. ANTNeuro Company.2020
- ✓ Workshop of “The Introduction of Eye Tracking”, Brain and Cognition Clinic, Tehran, Iran. 2019
- ✓ Workshop of “Brain Signal Processing”, University of Social Welfare and rehabilitation science, Tehran, Iran. 2019
- ✓ Workshop of “Introduction of Quantitative ElectroEncephalography”, Paarand Specialized Center for human enhancement, Tehran, Iran. 2018

- ✓ Workshop of “Transcranial Direct Current Stimulation (tDCS), Paarand Specialized Center for human enhancement, Tehran, Iran. 2017
- ✓ Workshop of “Transcranial Direct Current Stimulation (tDCS) in Raftar Cognitive Neuro Science Research Center in Shahid Beheshti University, Tehran, Iran. 2017
- ✓ Workshop of “Transcranial Electrical Stimulation for Research, Psychiatric and Neurologic Disorder”, Neurocognitive Laboratory Iranian National Center for Addiction Studies (INCAS), Tehran, Iran. 2017
- ✓ Workshop of “Advanced Neurofeedback Training”, University of Tehran Student Counseling center, Tehran, Iran. 2013
- ✓ Workshop of “Introduction to EEG Biofeedback (Neurofeedback)”, University of Tehran Student Counseling Center, Tehran, Iran. 2013
- ✓ Workshop of “Introduction to Biofeedback”, University of Tehran Student Counseling Center, Tehran, Iran. 2013
- ✓ Workshop of “A course on the role of Neurofeedback in the management of ADHD”, Tehran University of Medical Science, Faculty of Rehabilitation Science, Tehran, Iran. 2011

### **Technical skills:**

- ✓ EEG/QEEG
- ✓ Transcranial Electrical Stimulation

- ✓ NeuroCognitive Rehabilitation (RehaCom & Captain Log Softwares, pen and paper exercises)
- ✓ NeuroPsychological Assessment ( CANTAB Battery, RehaCom & Captain Log Softwares, WMS, Wisconsin, TOL, Reading disorder and dyslexia test(NAMA),...)
- ✓ Eye Tracker (Task design and data analysis)
- ✓ Binaural Beats Stimulation
- ✓ Task design(Psychopy, MATLAB, ERP)
- ✓ EEG signal processing
- ✓ Neurofeedback & Biofeedback(BVP, Respiratory, Skin conduction)

### **Teaching Experience:**

- ✓ The practical part of the frequency-based brain stimulation workshop (visual and auditory stimuli)
- ✓ QEEG practical course and Neuroguide software training
- ✓ Comprehensive webinar series on attention deficit hyperactivity disorder with the topic of neurofeedback treatment QEEG-based in ADHD disorder
- ✓ Clinical psychophysics course with the topic of introducing attention paradigms RDOC-based
- ✓ Brain signal processing course and EEGLAB toolbox training

### **Language Skills:**

✓ Farsi: Native

✓ English: B2

✓ Spanish: A2