

# Mohammad Dawood Rahimi

**Education:** M.Sc. in Cognitive Psychology, Ferdowsi University of Mashhad, Iran (2006–2024)

## Research Interests

- Investigating the interaction between cognitive, emotional, and physiological mechanisms underlying neurological and psychological disorders, including migraines, tinnitus, and repetitive negative thought patterns.
- Bridging experimental psychopathology and lived experience engagement to design scalable, accessible self-management methods for chronic conditions and mental health disorders.
- Applying cutting-edge neuromodulation techniques (tDCS, HD-tDCS) and multimodal imaging approaches (e.g., EEG, fMRI) to understand mechanisms of brain adaptation and resilience.

## Publications

- **H-index:** 8
- **Papers:** +18 peer-reviewed publications, with 4 as first and corresponding author, including 3 RCTs.: [MD Rahimi - Google Scholar](#)

Cited By

**Rahimi, M. D.,** Kheirkhah, M. T., & Fadardi, J. S. (2023). [Efficacy of tDCS in chronic migraine: A multiprotocol randomized controlled trial](#). *Clinical Neurophysiology*, 150, 119-130. 11

**Rahimi, M. D.,** Hassani, P., Kheirkhah, M. T., & Fadardi, J. S. (2023). [Effectiveness of eye movement exercise and diaphragmatic breathing with jogging in reducing migraine symptoms: A preliminary, randomized comparison trial](#). *Brain and Behavior*, 13(1), e2820. 9

**Rahimi, M. D.,** Zargani, H., & Nikkhah, K. (2022). [Effectiveness of Transcranial Direct Current Stimulation in Chronic Daily Headaches: An Experimental Single Case Report with a Novel Protocol](#). *Case Reports in Neurology*, 14(3), 381-388. 4

**Rahimi, M. D.,** Fadardi, J. S., Saeidi, M., Bigdeli, I., & Kashiri, R. (2020). [Effectiveness of cathodal tDCS of the primary motor or sensory cortex in migraine: A randomized controlled trial](#). *Brain Stimulation*, 13(3), 675-682. 60\*

## Technical and Research Skills

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- **Neuromodulation Expertise:** Advanced knowledge of tDCS, HD-tDCS, tACS, TMS, and EEG-ERP.
- **Research Techniques:** Neuroimaging (familiarity with fMRI), eye-tracking, computerized cognitive task design (e.g., Stroop and WCST).
- **Data Analysis:** Python, MATLAB, SPSS, R; advanced statistical analysis and multivariate pattern analysis.

## Academic Affiliations

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Over the years, I have been honored to affiliate with distinguished institutions, each contributing profoundly to my multidisciplinary approach to research. My academic journey spans two decades, from Mashhad University of Medical Sciences (2004–2024) to Ferdowsi University of Mashhad (2006–2024). These engagements have allowed me to explore diverse yet interconnected fields—including Medicine, Neuroscience, Psychology, and Health Professions—fostering a holistic understanding of health-related disciplines. This breadth of experience has prepared me, as a versatile researcher, to unravel the intricate relationships between mind, body, and science.

## Academic Experience

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1. **Researcher** at Ghaem Hospital and Imam Reza Hospital, Mashhad, Iran:
  - Specialized in post-stroke rehabilitation using Mirror Feedback Therapy and mindful-based techniques (2011–2020).
  - Investigated neuromodulatory interventions for primary headache disorders.
2. **Assistant to Professor Dr. Mohammad Mehdi Ghasemi:**
  - Conducted research on the relationship between migraines, tinnitus, hearing loss, anxiety, and depression (2014–2023).
3. **Researcher at Javad Salehi Fadardi's Clinic:**
  - Focused on PTSD, cognitive assessment, and rehabilitation techniques (2017–Present).
4. **Educator and Lecturer:**
  - Delivered seminars on neuromodulation and cognitive neuroscience to multidisciplinary audiences (2014–2022).

For instance, [“The First Online Seminar of Iran’s Brain Mapping Student Branch in 2022.”](#)

## **Editorial and Peer Review Activities**

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- **Review Editor**, *Frontiers in Human Neuroscience* (Brain Imaging and Stimulation Section)
- **Peer reviewer** for high-impact journals, including *Brain*, *Brain Communications*, *BMC Complementary Medicine and Therapies*, *Journal of Pediatric Neurology*, *Frontiers in Pain Research*, *Frontiers in Public Health*, *Frontiers in Neuroscience*, *Frontiers in Human Neuroscience*, *Frontiers in Bioengineering and Biotechnology*, *SAGE Open Medicine*, *European Neurology*, and Many More—such prestigious journals bear witness to my intellectual prowess; see the file “Mohammad Dawood Rahimi’s Publications-Peer Reviews”.

May my journey through the corridors of peer review continue to inspire and shape the scientific landscape.

## **Under Review or Under Consideration Articles (Sole Author: Mohammad Dawood Rahimi)**

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1. EDHD or ADHD: A Paradigm Shift in Understanding ADHD
2. Latently or the Unconscious: A Rhythmic Ontology of Consciousness
3. Electrophysiological Dysresponsiveness: A Paradigm Shift in Neuroinflammation
4. The Book Reads the Brain: A Perspective on Cognition as Real-Time Decoding
5. Mapping Brain Function Through Amplitude, Coherence, and Phase Dynamics: A Rhythmic Ontology of Cognition
6. The Shared Philosophy of Being: Consciousness, Temporality, and Cosmological Becoming
7. Studying the Brain as Ontogenic Interface
8. The Shared Philosophy of Cosmic Intelligence and Human Knowledge
9. A Post-Computational and Non-Representational Theory of Cognition: A Dynamic Epistemology of Participatory Intelligence

These works collectively advance novel frameworks in neuropsychology, cognitive theory, and the philosophy of mind, challenging conventional models and deepening our understanding of intelligence, consciousness, and systemic plasticity.

## **Presentations at International Conferences**

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I have presented over 11 research findings on migraine, cognitive neuroscience, and neuromodulation at prestigious conferences, including the International Headache Society (2017, 2019, 2021, 2023).

## Professional Memberships

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- Associate Member, International Headache Society
- Elected Member, American Psychological Association (Membership ID: C2002914850)
- Elected Member, American Academy of Neurology
- Member, International Association for the Study of Pain
- Member, Migraine Science Collaborative

## References

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**Professor Javad Salehi Fadardi:** School of Community and Global Health, Claremont Graduate University, 150 E 10th Street, Claremont, CA 91711, USA. Master Thesis Supervisor. Since September 2017, I have been working in his clinic on **posttraumatic stress disorder (PTSD)**.

- Clinic Website: [پویش آگاهی \(pouyeshcenter.ir\)](http://pouyeshcenter.ir) دپارتمان علوم شناختی - کلینیک تخصصی مشاوره و روانشناسی پویش آگاهی
- Email: [javad.fadardi@cgu.edu](mailto:javad.fadardi@cgu.edu) / [jsfadardi@gmail.com](mailto:jfadardi@gmail.com)
- Office phone: +1(909) 607-2361
- Messages: +1(909) 607-8235

**Professor Mohammad Mahdi Ghasemi:** Mashhad University of Medical Sciences, Mashhad, Iran, Master Thesis Consultant. Worked collaboratively in his clinic from September 1, 2014, to December 31, 2023. Collaborated in studying the relationship between Migraine, Tinnitus, Hearing Loss, Anxiety, & Depression.

- Clinic Website: [دکتر قاسمی \(professorghassemi.com\)](http://professorghassemi.com)
- Email: [ghasemimm@mums.ac.ir](mailto:ghasemimm@mums.ac.ir) / [ghasemimmahdi55@gmail.com](mailto:ghasemimmahdi55@gmail.com)
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