

Publications

Journal Articles

- Kalafatis C, Modarres H, Apostolou P, Marefat H, **Khanbagi M**, Karimi H, Vahabi Z, Aarsland D, Khaligh-Razavi SM, *Validity and Cultural Generalizability of a 5-min AI-based, Computerized Cognitive Assessment in Mild Cognitive Impairment and Alzheimer's Dementia*, Frontiers in Psychiatry | Aging Psychiatry (2021) [[Link](#)]
- Karimi H, Marefat H, **Khanbagi M**, Kalafatis C, Modarres H, Vahabi Z, Khaligh-Razavi SM, *Temporal Dynamics of Animacy Categorization in the brain of Patients with Mild Cognitive Impairment*. bioRxiv (2020) [[Link](#)]
- Karimi H, Marefat H, **Khanbagi M**, Karami A, Vahabi Z, *Drift Diffusion Model Can Detect Patients with Cognitive Impairment*, Frontiers in Biomedical Technologies (2020)
- Khaligh-Razavi SM, Sadeghi M, **Khanbagi M**, Kalafatis C, Nabavi SM. *A Self-Administered, Artificial Intelligence Platform for Cognitive Assessment in Multiple Sclerosis (MS)* BMC Neurol. **20**, 193 (2020) [[Link](#)]
- Khaligh-Razavi S-M, Habibi S, Sadeghi M, Marefat H, **Khanbagi M**, Nabavi SM, et al. *Integrated Cognitive Assessment: Speed and Accuracy of Visual Processing as a Reliable Proxy to Cognitive Performance*. Sci Rep. **9**, 1102 (2019) [[Link](#)]

Conference Abstracts

- Marefat H, Ebrahiminia F, **Khanbagi M**, Karimi H, Modarres H, Kalafatis C, Khaligh-Razavi SM, *How Animacy Processing is Affected in Early Stages of AD?*, Alzheimer Association Annual Conference | AAIC (2021) [[Link](#)]
- Aghaei M, Modarres H, Vahabi Z, Kalafatis C, Marefat H, **Khanbagi M**, sKarimi H, Khaligh-Razavi SM, *Association between a Computerized, Self-administered Cognitive Assessment and Fluid Biomarkers of Neurodegeneration*, Clinical Trials on Alzheimer's Disease Conference (CTAD 2021) [[Link](#)]
- **Khanbagi M**, Marefat H, Karimi H, Kalafatis C, Vahabi Z, Khaligh-Razavi SM, *Association between Integrated Cognitive Assessment (ICA) and Measures of Brain Structure in Mild Cognitive Impairment and Mild Alzheimer's Disease*, Alzheimer Association Annual Conference (AAIC 2020) [[Link](#)]
- Karimi H, Marefat H, **Khanbagi M**, Kalafatis C, Vahabi Z, Khaligh-Razavi SM, *Electroencephalography (EEG) reveals a decrease in speed of animacy processing in mild cognitive impairment and an alteration in neural response patterns*, Alzheimer Association Annual Conference (AAIC 2020) [[Link](#)]

Publications

- Kalafatis C, Modarres MH, Marefat H, **Khanbagi M**, Karimi H, Vahabi Z, Khaligh-Razavi SM, *Employing Artificial Intelligence in the Development of a Self-Administered, Computerized Cognitive Assessment for the Assessment of Neurodegeneration*, Alzheimer's & Dementia, July 2019 [[Link](#)]
- Marefat H, Karimi H, **Khanbagi M**, Kalafatis C, Vahabi Z, Khaligh-Razavi SM. *Neural Speed of Visual Information Processing is Delayed in Early Stages of Alzheimer's Disease*. Alzheimer's Society Annual Conference (ASAC 2019) [[Link](#)]
- Khaligh-Razavi SM, Modarres H, Marefat H, Karimi H, **Khanbagi M**, Kalafatis C, Vahabi Z. *Artificial Intelligence (AI)-Based Cognitive Assessment Tool for Early Diagnosis of AD*. Alzheimer's Research UK (ARUK 2019) [[Link](#)]
- Karimi H, Marefat H, **Khanbagi M**, Vahabi Z, Khaligh-Razavi SM, *Task-based EEG for Detection of Patients with Mild Cognitive Impairment*, The 3rd Iranian Symposium on Brain Mapping Updates (ISBM 2019)
- Khaligh-Razavi SM, Sadeghi M, **Khanbagi M**, Kalafatis C, Nabavi SM. *Using ICA —an artificial intelligence (AI)-assisted technology— as a digital biomarker of MS disease progression and treatment efficacy*. 35th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS 2019) [[Link](#)]
- Sadeghi M, Daemi M, Khaligh-Razavi SM, Tabasi SM, **Khanbagi M**, Nabavi SM, Kordi MR, *Virtual Reality (VR)-Based Cognitive Rehabilitation: Cognitive games are complementary to physical training for an optimum rehabilitation strategy in patients with Multiple Sclerosis (MS)*, 35th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS 2019), Oral Presentation [[Link](#)]
- Khaligh-Razavi SM, Sadeghi M, **Khanbagi M**, Kalafatis C, Nabavi SM. *A Brief Language-Independent and Self-Administered Computerized Test for Cognitive Assessment in Multiple Sclerosis (MS)*. 34th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS 2018) [[Link](#)]