



Zahra Arab

Education

Department of Biomedical Engineering, Amirkabir University, poly technique, Tehran, Iran **2014-2018**

- Bachelor in field Biomedical engineering, Bio Electric Institute of Medical Science and Technology, Shahid Beheshti University, Tehran, Iran **2018-2021**
- Master in field Biomedical engineering, Bio Electric

Courses and Certificates

Workshop on safety instructions for electromagnetic radiation and health hazards

The 24th National Conference and the 2nd International Conference on Biomedical Engineering of Iran
2017

Matlab software

Student Scientific Association of the Faculty of Chemical Engineering, Amirkabir University of Technology (Tehran Polytechnic)
2014

Advance Scientific Writing Educational Course

In Raftar Cognitive Neuroscience Research Center, Shahid Beheshti University Incubator, Tehran, Iran
36 Hour
2020

Statistics Workshop in Institute of Medical Science and Technology, Shahid Beheshti University, Tehran, Iran
12 Hour

Tehran, Iran



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2020

Advanced topic in dynamic causal modeling workshop, 7th Iranian human brain mapping congress 2020, By Dr Adel Razi, Monash University

2021

achievements

Oral presentation in 7th Iranian human brain mapping (IHBM) 2020
Subject: Dynamical assessment of intrinsic brain networks in insomnia disorder

Poster presentation in 6th Iranian human brain mapping (IHBM) 2019
Subject: The effect of sleep deprivation on empathy using fMRI study of hands experimentations

Papers


Arab, Zahra; Pirian, Pouria; Bayrami, Fardin; Latif, Elham , Kamalkhani , Niloufar; Mahdipour, Mostafa; Zarei, Mojtaba, 2019, The Effect of Sleep Deprivation on Empathy Using fMRI Study of Hands Experimentations, 6th Iranian human brain mapping, Iran, Tehran, <https://civilica.com/doc/951665>

Ghanjal, Ali, Monireh Motaqi, **Zahra Arab**, and Boshra Hatef. "Force variability in the short- and long-term type 2 diabetes mellitus." *Journal of Medical Signals and Sensors* 9, no. 1 (2019): 50.

Faghani, Zahra, **Zahra Arab**, Fatemeh Parastesh, Sajad Jafari, Matjaž Perc, and Mitja Slavinec. "Effects of different initial conditions on the emergence of chimera states." *Chaos, Solitons & Fractals* 114 (2018): 306-311.

skills

Matlab #####
Python ####



FSL	###
CONN	###
SPM	###
Linux working skill	##
Endnote	#####
Latex	####
Office	###
SPSS	###
Word press	##
Arduino programming	###
LT spice	#####
Keil	##
Lab view	##
Proteus	##
Orcad	##
Corel	##
Working with server	###

“End”
1/31/2021