



Maryam Fadavi

RESEARCH INTERESTS

- ◆ EEG signal processing
- ◆ Brain network analysis
- ◆ Study on Normal and Drug Addiction EEG signals
- ◆ Functional connectivity
- ◆ Neuro-feedback
- ◆ EEG Biofeedback
- ◆ Cognitive behavioral treatment

CONTACT

maryamfadavi9@gmail.com

fadavi@email.kntu.ac.ir

ABOUT ME

I am currently M.Sc. student in biomedical engineering at biomedical signal processing lab of K. N. Toosi University. My field of research is Brain Signal Processing and features extracted from EEG signals for diagnosis Drug Addiction and non-addicted subjects. My project aims to identify the abnormality of resting-state addicted Brain functional system using source decomposition and effective connectivity tools. The resting-state EEG signals were acquired 20 male Addicted subjects and 20 male normal subjects. I worked with EEG-LAB for EEG signal processing. My previous research at B.S. was in field of Neuro-feedback and Biofeedback.

EDUCATION

- ◆ M.S. of biomedical engineering (current), at K. N. Toosi University of Technology, Tehran, Iran.
- ◆ B.S. of biomedical engineering (2015), Islamic Azad University, Tehran Medical Branch