

Fatemeh Ghoreishian (1990 Mazandaran, Iran)

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Marital Status: Married

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GoogleScholarlink: https://scholar.google.com/citations?view_op=list_works&hl=en&user=W5nfM6sA-AAAJ

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Education

- B.Sc. in Biomedical Engineering, Shahed University, Tehran, Iran (2012-2014). Average: 17.57/20. Ranked 3th in B.Sc. program.
- M.Sc. in Biomedical Engineering, Shahed University, Tehran, Iran (2012-2014). Average: 17.75/20. Ranked 4th in M.Sc. program.
- Ph.D. in Biomedical Engineering, Amirkabir University of Technology, Tehran, Iran (2020-present).

Projects

- **B.Sc. thesis:** Design and construction of programmable eight-channel electrical excitation system. Supervisor: Dr. Mohammad pooyan. Thesis score: 20.
- **M.Sc. thesis:** Modeling the tremor in parkinsonian patients. Supervisor: Dr. Mohammad pooyan. Thesis score: 19.

Articles

- Ghoreishian, F. "Investigation and analysis of the force applied to the joints due to the rotational movement of the limbs", *2th Iranian Rehabilitation Engineering Conference*, June. 2012.

- Ghoreishian, F., Pooyan, M. "[A mathematical model for tremor genesis in Parkinson disease from a chaotic view](#)", *21th Iranian Conference on Biomedical Engineering (ICBME)*, Nov. 2014.
- Ghoreishian, F., Pooyan, M. "[An Improved Modeling of Parkinson's Tremor and Investigation of Some Approaches to Remove this Symptom](#)", *International Journal of Engineering Transactions B: Applications*, 2021.
- Ghoreishian, F., Pooyan, M. "[Modeling Parkinsonian Gait and Investigating Some Approaches to Increase The Gait Speed](#)", *Iranian Journal of Biomedical Engineering*, 2021.
- Ghoreishian, F., Nazarimehr, F., Jafari, S., Towhidkhah, F. "[Controlling Chaotic to Periodic Dynamics in a Heart Model](#)", *The 31st National and 9th International Iranian Conference on Biomedical Engineering - Amirkabir University of Technology*.
- Ghoreishian, F., Nazarimehr, F., Jafari, S., Towhidkhah, F. "[Dynamical analysis of the FitzHugh–Nagumo model with memristive synapse](#)", *Chinese Journal of Physics*, Vol. 89, p.p: 1400-1414,2024.

Workshops

- Movement analysis
- Transcranial Magnetic Stimulation device (TMS)

- evaluation of rehabilitation and physiotherapy equipments performance
- Reflexology
- Shiatsu