Zahra Sadat Hosseini

Assistant Professor

College: Faculty of Biomedical Engineering

Education

Degree	Graduated in	Major	University
BSc	1389	Electrical engineering - electronics	Sharif University of Technology
MSc	1391	Biomedical engineering - bioelectrics	Sharif University of Technology
Ph.D	1398	Biomedical engineering - bioelectrics	Amirkabir University of Technology

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Biomedical engineering faculty	Academic staff	Tenured	Full Time	1

Papers in Conferences

1. sadegh Marzban , Zahra sadat Hosseini , Farzad Towhidkhah , S. Mohammad Reza Hashemi Golpayegani،A New Approach to Modeling Parkinson’s Disease with Sine-Circle Map،۷th Congress of Basic and Clinical Neuroscience،۱۲ ۱۲ ۲۰۱۸،تهران.

Papers in Journals

1. Zahra Sadat Hosseini ,& Seyed Mohammad Reza Hashemi Golpayegani,Esophageal epithelium modeling based on globally coupled map: an approach toward precancerous lesion diagnosis,Medical & Biological Engineering & Computing,pp. 1297–1308,2020 4 1.
2. Nazanin Zandi et al.,One dimensional map-based neuron model: A phase space interpretation,Chaos, Solitons & Fractals,2020 3 1.
3. Zahra Sadat Hosseini و Seyed Mohammad Reza Hashemi Golpayegani،Esophageal Epithelium Modeling based on Globally Coupled Maps with the approach of Precancerous Lesions Diagnosis،Iranian Journal of Biomedical Engineering،۲۰۱۹ ۲ ۲۵.
4. Zahra Sadat Hosseini , Seyed Mohammad Reza Hashemi Gholpayeghani , Masoud Sotoudeh , Reza Malekzadeh,A fractal based approach to evaluate the progression of esophageal squamous cell

dysplasia,Biomedical Signal Processing and Control,pp. 273-289,2019 2 1.
5. JC Sprott , S Jafari , VT Pham , ZS Hosseini,A chaotic system with a single unstable node,Physics Letters A,pp. 2030-2036,2015 9 25.
6. Z. S. Hosseini و سایر،Wireless Heart Beat and Respiratory Rate Monitoring Using a Short-range Wireless System،Iranian Journal of Biomedical Engineering،۱۶ ۶ ۲۸۵،۲۰۱۵-۲۷۷ شماره صفحات.
7. Discrimination between different degrees of coronary artery disease using time-domain features of the finger photoplethysmogram in response to reactive hyperemia,Biomedical Signal Processing and Control,pp. 282-292,2015 4 1.