

Mahdad Esmaeili

Date of Birth: May 20th 1983

**Current Position: Assistant professor, Biomedical Engineering Department
Tabriz University of Medical Sciences (September 5, 2017- now)**

Contact Information:

Email: Mh.esmaeili.md@gmail.com esmaeilim@tbzmed.ac.ir

Tel:+98914-1036-499 (WhatsApp and Telegram)

Education:

- **PhD in Biomedical Engineering, Department of Biomedical Engineering, Isfahan University of medical Science, Isfahan, Iran. (GPA: 18.51 out of 20)**
- **M.Sc in Biomedical Engineering, Department of Biomedical Engineering, Isfahan University of Medical Science, Isfahan, Iran, 2010. (GPA: 17.31 out of 20)**
- **B.SC. in Biomedical Engineering, Department of Electrical Engineering, Sahand University of Technology, Tabriz, Iran, 2006.**
- **High School Diploma in Mathematics and Physics, Seghatoleslam(Public exemplary Schools), Tabriz,2001.**

National Patents:

Patent No: 139750140003004978

Electrocardiogram interface design for transferring and storing ECG signals in the hospital database(PACS) in HIS system

Sina Andarabi, Mehdi Samadi,Mahdad Esmaeili

Patent No: 139750140003004978

Smart glove cover device with voice command and the ability to disinfect gloves

Saeed Asghari, Hossein Najafzadeh, Mahdad Esmaeili

Teaching Experiences:

- **Medical Image Processing: MSc course, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences**
- **Biomedical Signal Processing: MSc course, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences**
- **Pattern Recognition: MSc course, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences**
- **Electronic I&II : BSc course, Azad University of Tabriz, Biomedical Engineering Department.**

Research Lines and Interested topics:

Machine Learning, Computer Vision, Deep Learning, especially their applications in Healthcare, e.g. Medical Image Diagnosis, AI-based Computer-aided Diagnosis.

Skills:

- **Programming: Python, Matlab, C, Pascal**
- **Electrical Eng. Softwares: Proteus, PSPICE.**
 - **Mathematical Softwares: Matlab**
 - **MPs and MCUs: 8051, AVR, FPGA**

Honors and Certificates

- **Ranked 2st in M.Sc. of Biomedical Engineering in Isfahan University of Medical Science.**
 - **Best Paper Award for IEEE ICIP(International Conference on Image Processing)**

Other:

Advising under-graduate students
Faculty affairs Committee member
Teaching in workshops

PROFESSIONAL EXPERIENCES

- **Head of Bio-Medical Engineering (Bioelectric) Dept. Since 2019**
- **Head of the medical equipment working group Innovation and accelerator of health field of Tabriz University of Medical Sciences Since 2018**
- **Member of Technology Council of Tabriz University of Medical Sciences**