

# Masoomah Monfared Dehbali

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I am keen on in bioelectronics and Microelectronics Devices. I have done various works in the field of bioelectronics and Microelectronic. I am a graduate of MSc in Electrical Engineering - Micro and Nanoelectronic Devices from Shiraz University of Technology. And I am also interested in designing and fabrication Microelectronics devices. I was a **talented student** during Bachelor's Degree and Master's Degree and for this reason I was accepted for Master's Degree without any entrance exam.

## skills

- Fabrication Semiconductor Device
- Flexible Electronics
- Wearable Biosensors
- Bioelectronics
- Biosensors
- Point-of-Care Biosensors
- Wearable Smart Wristband
- Printed Electronic
- Microelectronics Devices
- Cleanroom
- lithography
- Metal oxides
- Carbon nanoparticles
- Biodegradable polymer materials
- Working with keithley device
- Working with sputtering device
- ICDL
- CodeVisionAVR
- BASCOMAVR
- Proteus
- Image processing with MATLAB
- Arduino
- COMSOL Multiphysics
- RSoft
- LabVIEW
- English: upper intermediate

## Submitting article

A Self-Powered Wearable Smart wristband for Continuous Sweat Monitoring with bioelectronic sensors based on Ag/CNT/Wc Masoomah Monfared Dehbali, Milad Farahmandpour, Samaneh Hamed, Zoheir Kordrostami(Biosensors and Bioelectronics)

## Educational Information

Bachelor of Science: Engineering Sciences(electronic) from Salman Farsi University of Kazeroun – 2016-2020  
Fabrication an eye movement tracking device (EOG signals) using Arduino and computer  
GPA  
15.95 of 20

Master's Degree: Electrical Engineering - Micro and Nanoelectronic Devices from Shiraz University of Technology – 2020-2022  
Fabrication of an electronic glucose biosensor using the combination of carbon nanoparticles and metal oxides along with the fabrication of a glucometer device  
GPA  
17.49 of 20

## Published article

**Development of a portable smart Glucometer with two electrode bio-electronic test strip patch based on Cu/Au/rGO/PEDOT:PSS**

Masoomah Monfared Dehbali, Milad Farahmandpour, Samaneh Hamed, Zoheir Kordrostami(scientific reports)