

PERSONAL:

Surname: Malakdar

First name: Shahrbanoo

Date of CV: 14 December 2021



Address: Iran – Isfahan, Isfahan



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SUMMARY:

SHAHRBANOO MALAKDAR, master's student in Nano Technology. I was interested in novel topics in science from my childhood. I was an active member of group projects and often accepted responsibility for projects. During my undergraduate studies, I worked at the same time to provide for my own subsistence. In addition to doing science projects, my interest in sports has led me to participate in sports competitions. My professors know me a disciplined, intelligent, and persistent person with good social relationships.

RESEARCH INTERESTS:

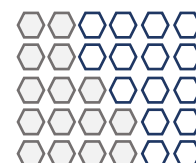
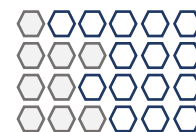
- Renewable Energy (such as: microbial full cell, solar cell, water splitting &...)
- Sensors
- Bio Electronics
- Medical Implants

EDUCATION:

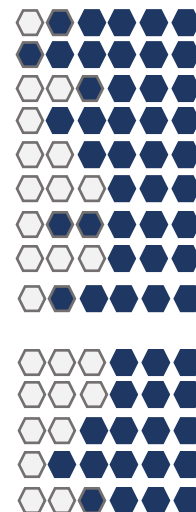
- Associate - Mathematics and Physics
Iran, Mazandaran, Babol, SHAHID GHANAD public high School
- B.S.c - Electrical Engineering, Engineering Faculty
Iran, Mazandaran, Babol, PAYAME NOOR university, 2010, <http://babol.mz.pnu.ac.ir>
- M.S.c - Nanotechnology Engineering, Engineering Faculty
Iran, Guilan, Rasht, GUILAN university, 2015, <https://guilan.ac.ir>

SKILLS:

- Teaching
- Robotic
- Analog circuits
- Digital circuits
- Computer – Software
Proteus
PROTEL
Oto cad electrical



- Lab view
- CATIA
- Photoshop
- ICDL
- ALTIUM DESIGNER
- Z-View
- EXPERT
- IMAGE-G
- SIGMA PLUT
- ORIGIN
- Computer – Hardware
- Laboratory
 - Bio chemistry
 - Microbiology
 - Chemistry
 - Synthesis of nano material
 - Measureing devices



LANGUAGE SKILLS:

- **Native language:** Farsi
- **Other language skills:** A good English language , that IELTS exam scores rated my language skill as highly proficient in speaking, reading, writing and listening.

WORK EXPERIENCE:

- Institute of Electronic Pleasure
Robotics lecturer
- TARZ ELECTRICAL & ELECTRONICS COMPANY
Expert of Research and Development Unit
- RASAM ELECTRONIC COMPANY
Production Line Expert

RESEARCH OUTPUT:

- Article Acceptance Certificate (Effect of Smart Home Lighting Systems on Energy Consumption Reduction) _ 2014
First National Conference on Energy Conservation Optimization in Engineering Sciences _ 22 May 2014
- Article Acceptance Certificate (Effect of Heat Exchanger on Energy Conservation Optimization) _ 2014
First National Conference on Energy Optimization and Consumption in Engineering Sciences _ 22 May 2014
- Article Acceptance Certificate (Resent development of MFCs and anode electrode material in MFCs) _ 2018
First National Conference on Micro and Nanotechnology – 10 May 2018
- Article Acceptance Certificate (NiO Nanostructures Grown on Ni Foam as Efficient Electrocatalysts for Oxygen Evolution Reaction) _ 2020
8th International Conference on Nanostructures (ICNS8) – 20 April 2020
- Article Acceptance Certificate (A review of the surface mechanism and the effect of nanoceramics on hydrophobic properties) _ 2021
National Conference on Chemical Engineering and Nanotechnology – 13 January 2021

- Article Acceptance Certificate (8th International e-congress on Nanoscience & Nanotechnology)
_ 2021
8th International e-congress on Nanoscience & Nanotechnology – 17 February 2021

AWARD:

- The 11th and 12th Young KHARAZMI Festival
From Mazandaran Province Education, Education and Research Imam Mohammad BAGHER
- The First Festival of Idea Student Inventors and Entrepreneurs of PAYAM NOOR Universities
From Head of PAYAM NOOR University of Mazandaran Province

CERTIFICATES:

- Certificate of Technology Readiness Level 4
From Iran Technology Assessment System (سافا), 18/December / 2018
- 4th GECI Symposium on energy transition technologies
From Berlin University & GUILAN University, 16/June / 2019
- Attending the 19th Exhibition of Market Research, Technology and Technology Achievements
From the Technology unites Development Center of GUILAN University, December / 2018
- Digital Circuit Design and Analysis Certificate
From the technical and professional organization of the country, November / 2011
- Robotics and Information Technology Skills Certificate
From the technical and professional organization of the country, July / 2012
- Host of the 5th National Nanotechnology Competition
From the Presidential Office of Nanotechnology Development and PAYAM NOOR University of Babol, May / 2015
- Participate in a conference promoting nanotechnology
From BABOL Center for PAYAM NOOR, Electronic Pleasure Institute, RASAM Institute for Technology Studies (member of Technology Analysts Research and Technology Network), May / 2019, March / 2015, May / 2015 and January/ 2012
- Certificate of working with industrial machines
First National Conference on New Techniques in Iranian Petroleum Industry Equipment and Materials, October / 2015
- The 3th and 7th period of nanotechnology promotion (especially for promotional entities)
From the Vice President of Science and Technology of the Presidential Office for the Development of Nanotechnology, 11-13/February/ 2015 and 23-25/ January/ 2019
- Participate in a workshop for making engineering parts inspired by nature
From Guilan university, 13/December / 2017, for 5hour
- Participate in a specialized workshop on convergent sciences
From Guilan university, 13/December / 2017, for 5hour
- Participate in the National Conference on Inspiration from Life Engineering in Nanotechnology
From Guilan university
From Guilan university, 13/December / 2017, for 5hour