

Curriculum Vitae



PERSONAL INFORMATION:

Name: Fereshteh Sadat
Surname: Jafari
Date of Birth: May 29th, 1988, Zahedan, Iran
Sex: Female
Email: fereshte_sadat2000@yahoo.com, f.s.jafari@pgs.usb.ac.ir
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LANGUAGE:

Persian (native), English.

OBJECTIVE

Conformal antenna, Microstrip antenna, Metamaterial, frequency selective surface, permittivity measurement.

EDUCATIONAL BACKGROUND&POSITIONS:

Phd: Faculty of electrical and computer engineering- University of Sistan & Baluchestan- Iran (2013-2017)-
Field of study: Communication engineering-Field, Title of project Study: **Design and Implementation of High Sensitive Microwave Sensor for Electric Characteristics of Industrial Oils.**

Supervisor: Dr- Javad Ahmadi Shokouh

GPA: 19.60/20 with honor

MS.c:

Faculty of electrical and computer engineering- University of Sistan & Baluchestan- Iran (Sep.2010-
Nov.2012) - Field of study: Communication engineering-Field

Title of project: **Study, Design and Fabrication of a Wide Band Conformal Array Antenna**

Supervisor: Dr. Shahram Mohanna

GPA: 17.89/20 with honor

BS.c:

Faculty of electrical and computer engineering - University of Sistan & Baluchestan- Iran (2006-2010)
Field of study: Electrical – Communication engineering

GPA: 15.26/20 with honor

SKILLS:

Devices:

- Network Analyzer (measuring S-parameters and handling other measurement such as material characterization with electromagnetic wave)

Technical Software: ADS, HFSS, CST, FEKO, IE3D, Matlab .

General Software: Microsoft office (word - excel- power point), AutoCAD, Microsoft Visio

Publications:

Papers:

1. **Mohammad Naderi, Ferdows B Zarrabi, Fereshteh Sadat Jafari, Speideh Ebrahimi.** "Fractal EBG Structure for shielding and reducing the mutual coupling in microstrip patch antenna array." *AEU-International Journal of Electronics and Communications* (2018).
2. **Jafari, Fereshteh Sadat, and Javad Ahmadi-Shokouh.** "Reconfigurable Microwave SIW Sensor based on PBG Structure for High Accuracy Permittivity Characterization of Industrial Liquids". *Sensors and Actuators A: Physical journal* (2018).
3. **Jafari, Fereshteh Sadat, and Javad Ahmadi-Shokouh.** "Frequency-Selective Surface to Determine Permittivity of Industrial Oil and Effect of Nanoparticle Addition in X-Band." *Journal of Electronic Materials* (2017): 1-8.
4. **Jafari, Fereshteh Sadat, and Javad Ahmadi-Shokouh.** "Industrial liquid characterization enhancement using microwave sensor equipped with electronic band gap structure." *AEU-International Journal of Electronics and Communications* 82 (2017): 152-159.
5. **F.Jafari, J.Ahmadi Shokouh, F.Kazemi,** " Non-Destructive Aging of Transformer Oil Using Electromagnetic Waves", 20th Iranian Electrical Power Distribution Conference (EPDC), Apr.28-29,2015.
6. **Moradi, Rasoul, Fatemeh Kazemi, Javad Ahmadi-shokouh, Farahnaz Mohanna, and Fereshteh Jafari.** "Design and fabrication of a near-field probe for sub-surface microwave imaging." In *Telecommunications (IST), 2014 7th International Symposium on*, pp. 185-188. IEEE, 2014.
7. **F.Homayoon, F.Jafari, J.Ahmadi Shokouh,** "design of open ended waveguide antenna based SIW technology for X-band radar", The second Iranian Conference of avionics, Feb.3-4,2015.
8. **F.Jafari, J.Ahmadi Shokouh, K.Harasami, F.Kazemi,** "Permittivity Measurement of Catalysts Used in Oil Industry Through Waveguide TR Method", The third Iranian Conference on Engineering Electromagnetics, Dec.2-4,2014.
9. **F.Jafari, J.Ahmadi Shokouh, A.Keykha, F.Kazemi,** "Railroad Non-Destructive Test Using Electromagnetic Waves", The third Iranian Conference on Engineering Electromagnetics, Dec.2-4,2014.
10. **F.Jafari, J.Ahmadi Shokouh, F.Yoosepoor,** "Mutual Coupling Reduction in Microstrip Antenna Array using Parasitic Elements", The third Iranian Conference on Engineering Electromagnetics, Dec.2-4,2014.
11. **A. Rigi-Tamandani, F. Jafari, J. Ahmadi-Shokouh and S. Tavakoli,** "Dual-Band Planar Monopole Antenna Loaded with Rotated Inner Ring of SRRs", *International Research Journal of Applied and Basic Sciences* 2013, Vol, 4 (7): 1791-1796.
12. **Fereshteh Sadat Jafari, Shahram Mohanna,** "A new slot patch Microstrip antenna with enhanced bandwidth for wireless communications", *International Research Journal of Applied and Basic Sciences* 2013, Vol, 6 (4): 404-408.

Teaching Experience:

1. Field and wave - electromagnetic, Faculty of electrical and computer engineering - University of Sistan & Baluchestan- Iran (2010)
2. Field and wave – Microwave1, Faculty of electrical and computer engineering - University of Sistan & Baluchestan- Iran (2011-2012)
3. Antenna1, Faculty of electrical and computer engineering - University of Sistan & Baluchestan- Iran (2013-2014)

Advisor:

- MS.c Thesis, Railroad Non-Destructive Test Using Electromagnetic Waves, Faculty of electrical and computer engineering - University of Sistan & Baluchestan- Iran (2014).

- MS.c Thesis, Radiation Properties Enhancement of Multilayer Pyramidal SIW Horn Antenna via Resonant Cavity, Faculty of electrical and computer engineering - University of Sistan & Baluchestan- Iran (2015).

Grants and Honors:

- 2012- Third best student at MS.c.
- 2010- Second best student at BS.c.