



Mohammad Ojaroudi Parchin was born on 1984 in Germe, Iran. He received his B.Sc. degree in Power Electrical Engineering from Azad University, Ardabil Branch and M.Sc. degree in Telecommunication Engineering from Urmia University. From 2010, he is working toward the Ph.D. degree at Shahid Beheshti University. From 2007 until now, he is a Teaching Assistant with the Department of Electrical Engineering, Islamic Azad University, Ardabil Branch, Iran.

Since March 2009, he has been the Chief Executive Officer (CEO) in the Microwave Technology Company (MWT), Tehran, Iran. From 2012, Dr. Ojaroudi is a member of the IEEE Transaction on Antennas and Propagation (APS) reviewer group and the Applied Computational Electromagnetic Society. His research interests include analysis and design of microstrip antennas, design and modeling of microwave structures, radar systems, and electromagnetic theory. He is author and coauthor of more than 100 journal and international conferences papers. His papers have more than 285 citations with 9 h-index.

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2. Education:

Shahid Beheshti University, Tehran, Iran (from Oct 2010)

Ph.D. in Telecommunication Engineering (Electromagnetic Filed Theory)

Ph.D Thesis: "Microstrip Discontinuities Modeling Using Modified Time Domain Reflectometry Method"

Urmia University, Urmia, Iran (May 2009)

M.S. in Electrical Engineering (Telecommunication Systems)

MS Thesis: "Novel Design of Ultra-Wideband Printed Monopole Antennas with Microstrip-Fed"

Azad University of Ardabil, Ardabil, Iran (Mar 2005)

B.S. in Electrical Engineering (Power Systems).

BS Thesis: "Design Methodology of High Voltage Cables for Power Electrical Applications"

3. Work Experience and Positions:

[1] Advisor Expert in Ardabil Power Distribution System Company [2006-2007]

[2] Member of Fundamental Research in Ultra Wideband Systems.in Urmia Telecommunication Research Center, Urmia, Iran [2007-2008]

[3] Member of the Faculty of Electrical Engineering Department, Ardabil Branch, Islamic Azad University, Ardebil, Iran. School of Engineering [2007-2012]

[4] Member of the Faculty of Electrical Engineering Department, Germe Branch, Islamic Azad University, Ardabil, Iran. School of Engineering [2007-Present]

[5] Chief Executive Officer (CEO) in the Microwave Technology Company (MWT), Tehran, Iran [2009-Present].

4. Teaching Experience:

[1] Electromagnetic Field and Wave Theory, Signals and Systems, Ardabil Branch, Islamic Azad University [Instructor – from Autumn 2007]

[2] Mathematical Engineering and Electrical Circuits, Germe Branch, Islamic Azad University [Instructor – from Autumn 2007].

[3] Introduction to MATLAB Software, MWT Institute, [Instructor - Spring 2009]

[4] Experimental of Power Basic in Mechanic Engineering, Faculty of Engineering, Urmia University [Instructor - Autumn 2009]

[5] Experimental of Electrical and Communication circuits, Faculty of Electrical and Computer Engineering, Shahid Beheshti University, [Teacher Assistant - from Autumn 2011]

5. Research Interests:

Analysis and Design of Microstrip Antennas, Design and Modeling of Microwave Structures, Radar Systems, and Electromagnetic Theory.

6. Honors:

[1] Top talent in Young Researchers Club, Ardabil Branch, Islamic Azad University, Ardabil, Iran [2012]

[2] Awarded a Scholarship by Microwave Technology Company to attend in international conference [2013]

7. Languages and Software Skills:

Languages: 1) Turkish: Mother Tongue, 2) Persian: Reading and Listening and Speaking: Fluent, 3) English: Reading and Listening: Fluent Speaking: good. **Softwares:** 1) Operating Systems: MSDOS, Windows 95/98/NT, Windows XP, UNIX. 2) Technical Software's: HFSS, MATLAB, ADS, AutoCAD, Microsoft Visio, Photo Shop, 3) Office Applications: Microsoft PowerPoint, Access, Excel, Word, Lotus Notes, LaTeX Internet Development

8. Publications:

A) Published Books:

[1] Kh. Halili, and **M. Ojaroudi**, “Complete Reference of Electronic I & II”, Jahesh press, Tehran Iran, 2012.

B) Accomplished Research Projects:

[1] **M. Ojaroudi**, and Y. Ojaroudi, “Design, Simulation and Fabrication of a Microstrip Monopole Antenna for UWB Applications with Band-Notched Function”, Germe Branch, Islamic Azad University, Germe, Iran, 2011.

[2] H. Monfared, **M. Ojaroudi**, and Y. Ojaroudi, “Application of Numerical Analysis Methods based on Linear-Algebra Concepts in Electromagnetic Problems”, Germe Branch, Islamic Azad University, Germe, Iran, 2012.

[3] Y. Ebazade, **M. Ojaroudi**, and N. Ojaroudi, “Design, Simulation and Fabrication of an Ultra-Wideband Monopole Antenna for Use in a Circular Cylindrical Microwave Imaging Systems”, Germe Branch, Islamic Azad University, Germe, Iran, 2012.

[4] **M. Ojaroudi**, and N. Ghadimi, “Design, Simulation and Fabrication of a Reconfigurable Microstrip Antenna with Switchable Band Notch Frequency and Additional Resonance Frequency for UWB Applications”, Ardabil Branch, Islamic Azad University, Germe, Iran, 2013.

[5] N. Mikaelvand, **M. Ojaroudi**, and N. Ghadimi, “Electromagnetic Problems Analysis Using Numerical Methods based on Linear-Algebra Concepts and Design of Modified Structures Using this Numerical Results”, Germe Branch, Islamic Azad University, Ardabil, Iran, 2013.

C) Journals Papers:

[1] **M. Ojaroudi**, Sh. Yzdanifard, N. Ojaroudi, and M. Nasser-Moghaddasi, "Small Square Monopole Antenna with Enhanced by Using Inverted T-Shaped Slot and Conductor-Backed Plane", *IEEE Transactions on Antenna and Propagation*, VOL. 59, No. 2, pp. 670-674, February 2011.

[2] **M. Ojaroudi**, Ch. Ghobadi, and J. Nourinia, “Small Square Monopole Antenna With Inverted T-Shaped Notch in the Ground Plane for UWB Application,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 8, no. 1, pp. 728-731, 2009.

[3] **M. Ojaroudi**, Sh. Yzdanifard, N. Ojaroudi, and R. A. Sadeghzadeh, " Band-Notched Small Square-Ring Antenna with a Pair of T-Shaped Strips Protruded Inside the Square Ring for UWB Applications”, *IEEE Antennas and Wireless Propagation Letters*, Vol. 10, accepted to publish, 2011.

[4] **M. Ojaroudi**, Gh. Ghanbari, N. Ojaroudi, and Ch. Ghobadi, “Small Square Monopole Antenna for UWB Applications with Variable Frequency Band-Notch Function,” *IEEE Antennas and Wireless Propagation Letters*, Vol. 8, pp. 1061-1064, 2009.

[5] **M. Ojaroudi**, G. Kohneshahri, and Ja. Noory, "small modified monopole antenna for UWB application," *IET Microw, Antennas Propag.*, Vol. 3, no. 5, pp. 863-869, August. 2009.

[6] **M. Ojaroudi**, S. Bashiri, N. Ojaroudi, and M. Partovi “Octave-band, multi-resonance CPW-fed small slot antenna for UWB applications, *Electronic Letters IET*, Vol 48, Issue 16,pp. 980-982, 2012.

[7] **M. Ojaroudi**, H. Ebrahimian, Ch. Ghobadi, and J. Nourinia, “Small Microstrip-Fed Monopole Printed Monopole Antenna for UWB Applications,” *Microwave and Optical Tech. Letters*, vol. 52, no.8, August 2010.

[8] **M. Ojaroudi**, "Printed Monopole Antenna with a Novel Band-Notched Folded Trapezoid for Ultra-Wideband Applications", *Journal of Electromagnetic Waves and Application (JEMWA)*, Vol. 23, 2513–2522, 2009.

[9] **M. Ojaroudi**, M. Hassanpour, Ch. Ghobadi, and J. Nourinia, “A Novel Planar Inverted-F Antenna (PIFA) for WLAN/WiMAX Applications,” *Microwave and Optical Tech. Letters*, vol. 52, no.2, August 2010.

[10] **M. Ojaroudi**, and A. Faramarzi, “MULTIRESONANCE SMALL SQUARE SLOT ANTENNA FOR ULTRA-WIDEBAND APPLICATIONS,” *Microwave and Optical Tech. Letters*, vol. 52, no.9,pp. 2145-2149, September 2010.

[11] **M. Ojaroudi**, Ch. Ghobadi, J. Nourinia and N. Ojaroudi, “Ultra-Wideband Small Square Monopole Antenna with Dual Band-Notched Function ,” *Microwave and Optical Tech. Letters*, vol. 54, no.2, February 2012.

- [12] **M. Ojaroudi**, and Y. Ojaroudi “Band-Notched Low Profile Monopole Antenna with Enhanced Bandwidth by Using an Inverted T-Shaped Parasitic Structure and a pair of Γ -Shaped slots,” *Microwave and Optical Tech. Letters*, vol. 54, no.4, April 2012.
- [13] **M. Ojaroudi**, and N. Ojaroudi “Band-Notched Small Square Slot Antenna for Ultra-Wideband Applications,” *Microwave and Optical Tech. Letters*, vol. 54, no.4, April 2012.
- [14] N. Ojaroudi, **M. Ojaroudi**, and N. Ghadimi “UWB Omnidirectional Square Monopole Antenna for Use in Circular Cylindrical Microwave Imaging Systems” *IEEE Antennas and Wireless Propagation Letters*, Vol. 11, no. 1, pp. 1350-1353, 2012.
- [15] R. Movahedinia, **M. Ojaroudi**, S. S. Madani, “Small modified monopole antenna for ultra-wideband application with desired frequency band-notch function,” *IET Microw, Antennas Propag.*, Vol. 5, no. 11, pp. 1380-1386, 2011.
- [16] Gh. Beigmohammadi, Ch. Ghobadi, J. Nourinia and **M. Ojaroudi**, “Small square slot antenna with circular polarisation characteristics for WLAN/WiMAX applications, *ELECTRONICS LETTERS*, Vol. 46, No. 10, pp. , 2010,
- [17] H. Karimi, Ch. Ghobadi, J. Nourinia and **M. Ojaroudi**, “ENHANCED BANDWIDTH SMALL-SHAPED MONOPOLE ANTENNA FOR UWB APPLICATIONS WITH VARIABLE FREQUENCY BAND-NOTCH FUNCTION,” *Microwave and Optical Tech. Letters*, vol. 54, no.1, pp. 267-271, January 2012.
- [18] H. Lavakhamseh, Ch. Ghobadi, J. Nourinia and M. Ojaroudi, “Multiresonance printed monopole antenna for DCS/WLAN/WiMAX applications,” *Microwave and Optical Tech. Letters*, vol. 54, no.2, pp. 297-300, February 2012.
- [19] A. R. Zolfagharian, M. N. Azarmanesh, and **M. Ojaroudi**, “ULTRA-WIDEBAND SMALL SQUARE MONOPOLE ANTENNA WITH VARIABLE FREQUENCY NOTCH BAND CHARACTERISTICS USING AN INTERDIGITAL SLOT,” *Microwave and Optical Tech. Letters*, vol. 54, no.1, pp. 262-267, January 2012.
- [20] N. Ojaroudi, **M. Ojaroudi**, and H. Ebrahimian, “Band-notched UWB microstrip slot antenna with ENHANCED bandwidth by using a pair of C-Shaped slots,” *Microwave and Optical Tech. Letters*, vol. 54, no.2, pp. 515-518, February 2012.
- [21] M. Abdollahvand, G. R. Dadashzadeh, H. Ebrahimian, and **M. Ojaroudi**, “COMPACT ULTRA-WIDEBAND PRINTED MONOPOLE ANTENNA HAVING FREQUENCY BAND-NOTCH CHARACTERISTIC USING DEFECTED GROUND STRUCTURE,” *Microwave and Optical Tech. Letters*, vol. 53, no.10, pp. 2363-2368, October 2011.
- [22] R. Rouhi, Ch. Ghobadi, J. Nourinia and **M. Ojaroudi**, “Ultra-Wideband Small square monopole antenna with Band Notched Function,” *Microwave and Optical Tech. Letters*, vol. 52, no.8, August 2010.
- [23] F. Amini, M. N. Azarmanesh, and **M. Ojaroudi**, “SMALL SEMI-CIRCLE-LIKE SLOT ANTENNA FOR ULTRA-WIDEBAND APPLICATIONS”, *Progress In Electromagnetics Research C*, Vol. 13, 149-158, 2010
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- [25] Sh. Yazdanifard, R. A. Sadeghzadeh, and **M. Ojaroudi**, “ULTRA-WIDEBAND SMALL SQUARE MONOPOLE ANTENNA WITH VARIABLE FREQUENCY BAND-NOTCH FUNCTION”, *Progress In Electromagnetics Research C*, Vol. 15, 133-144, 2010.
- [26] L. Hadizafar, M. N. Azarmanesh, and **M. Ojaroudi**, “ENHANCED BANDWIDTH DOUBLE-FED MICROSTRIP SLOT ANTENNA WITH A PAIR OF L-SHAPED SLOTS”, *Progress In Electromagnetics Research C*, Vol. 18, pp. 47-57, 2011.
- [27] **M. Ojaroudi**, N. Ojaroudi, and Y. Ebazadeh, “Dual Band-Notch Small Square Monopole Antenna with Enhanced Bandwidth Characteristics for UWB Applications” *ACES Journal*, vol. 27, no.5, pp. 420-426, May 2012.
- [28] N. Ojaroudi, **M. Ojaroudi**, and Sh. Amiri, “Enhanced Bandwidth of Small Square Monopole Antenna by using Inverted U-shaped Slot and Conductor-Backed Plane” *ACES Journal*, vol. 27, no.8, pp. 685-690, August 2012.
- [29] A. Valizade, Ch. Ghobadi, J. Nourinia, N. Ojaroudi, and **M. Ojaroudi**, “Band-Notch Slot Antenna with Enhanced Bandwidth by using Ω -Shaped Strips Protruded inside Rectangular Slots for UWB Applications” *ACES Journal*, vol. 29, no.10, pp. 816-822, October 2012.
- [30] B. Hadian, **M. Ojaroudi**, and N. Ojaroudi, “Enhanced Bandwidth Small Square Monopole Antenna with Band-Notched Functions for UWB Wireless Communications” *ACES Journal*, vol. 27, no.9, pp. 759-765, September 2012.
- [31] M. T. Partovi, N. Ojaroudi, and **M. Ojaroudi**, “Small Slot Antenna with Enhanced Bandwidth and Band-Notched Performance for UWB Applications” *ACES Journal*, vol. 27, no.9, pp. 420-426, September 2012.
- [32] M. T. Partovi, N. Ojaroudi, **M. Ojaroudi**, and N. Ghadimi “Enhanced Bandwidth Ultra-Wideband Small Monopole Antenna with Variable Band-Stop Function” *ACES Journal*, vol. 27, no.12, pp. 1007-1013, December 2012.

- [33] N. Ojaroudi, Sh. Amiri, F. Geran, and **M. Ojaroudi**, "Band-Notched Small Monopole Antenna using Triple E-Shaped Structures for UWB Systems" *ACES Journal*, vol. 27, no.12, pp. 1022-1028, December 2012.
- [34] M. Mehranpour, J. Nourinia, Ch. Ghobadi, **M. Ojaroudi**, "Dual Band-Notched Square Monopole Antenna for Ultra-Wideband," *IEEE Antennas and Wireless Propagation Letters*, Vol. 11, no. 1, pp. 172-175, 2012.
- [35] N. Ojaroudi, **M. Ojaroudi**, and Sh. Amiri, "A Novel Small E-Ring Shaped Monopole Antenna with Dual Band-Notch Function for UWB Wireless Communications" *IJCIT Volume 2, Issue 1, Winter 2012*.
- [36] M. Rostamzadeh, S. Mohammadi, J. Nourinia, Ch. Ghobadi, and **M. Ojaroudi**, "Square Monopole Antenna for UWB Applications with Novel Rod-Shaped Parasitic Structures and Novel V-Shaped Slot in the Ground Plane," *IEEE Antennas and Wireless Propagation Letters*, Vol. 11, no. 1, pp. 446-449, 2012.
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- [39] **M. Ojaroudi**, N. Ojaroudi, "Dual-Band Coplanar Waveguide-Fed monopole Antenna for 2.4/5.8 GHz Radiofrequency Identification Applications," *Microwave and Optical Tech. Letters*, vol. 54, no.10, pp. 2426-2429, October 2012.
- [40] N. Ojaroudi, **M. Ojaroudi**, "Square Monopole Antenna Having Variable Frequency Band-Notch Operation for UWB Wireless Communications," *Microwave and Optical Tech. Letters*, vol. 54, no.8, pp. 1994-1998, August 2012.
- [41] B. Hadian, N. Ojaroudi, **M. Ojaroudi**, "Band-notched UWB microstrip slot antenna with ENHANCED bandwidth by using a pair of C-Shaped slots," *Microwave and Optical Tech. Letters*, vol. 54, no.2, pp. 515-518, February 2012.
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- [43] A. valizade, Ch. Ghobadi, J. Nourinia, **M. Ojaroudi**, "A Novel Design of Reconfigurable Slot Antenna With Switchable Band Notch and Multiresonance Functions for UWB Applications," *IEEE Antennas and Wireless Propagation Letters*, Vol. 11, no. 1, pp. 1166 - 1169, 2012.
- [44] R. Habibi, Ch. Ghobadi, J. Nourinia, **M. Ojaroudi**, and N. Ojaroudi, "Octave-band, multi-resonance CPW-fed small slot antenna for UWB applications, *Electronic Letters IET*, Vol 48, Issue 16, pp. 980-982, 2012.
- [45] **N. Ojaroudi**, and M. Ojaroudi, "DUAL BAND-NOTCH SQUARE MONOPOLE ANTENNA WITH A MODIFIED GROUND PLANE FOR UWB APPLICATIONS" vol. 54, no.12, pp. 2743-2747, Dec 2012.
- [46] N. Ojaroudi, and **M. Ojaroudi**, "Dual band-notch slot antenna by using a pair of Γ -shaped slits and Ω -shaped parasitic structure for UWB applications" *Microwave and Optical Tech. Letters*, Vo. 55, no. pp. 102–105, January 2013.
- [47] N. Ojaroudi, and **M. Ojaroudi**, "A novel design of reconfigurable small monopole antenna with switchable band notch and multi-resonance functions for UWB applications" *Microwave and Optical Tech. Letters*, Vo. 55, no. pp. 652–656, March 2013.
- [48] N. Ojaroudi, and **M. Ojaroudi**, "Small monopole antenna with multiresonance characteristic by using rotated T-shaped slit and parasitic structure for UWB systems. *Microwave and Optical Tech. Letters*, Vo. 55, no. pp. 482–485, March 2013.
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D) Conference Papers:

- [1] **M. Ojaroudi**, J. Mazloun, A. Jalali, N. Ojaroudi, "Compact Active Integrated Antenna by Using an Interdigital Coupling Strip for WiMAX Applications", *ADVANCED ELECTROMAGNETICS SYMPOSIUM, AES 2012, 16 – 19 APRIL 2012, PARIS - FRANCE*.
- [2] **M. Ojaroudi**, N. Ojaroudi, and Sh. Amiri, "Band-Notched Small Square Monopole Antenna Surrounded by rotated C-shaped Parasitic Structure for UWB Applications", *ADVANCED ELECTROMAGNETICS SYMPOSIUM, AES 2012, 16 – 19 APRIL 2012, PARIS - FRANCE*.
- [3] N. Ojaroudi, **M. Ojaroudi**, and Sh. Amiri, Ch. Ghobadi, "Microstrip-Fed Slot Antenna with Band-Notched performance for UWB Wireless Communications Systems", *ADVANCED ELECTROMAGNETICS SYMPOSIUM, AES 2012, 16 – 19 APRIL 2012, PARIS - FRANCE*

- [4] **M. Ojaroudi**, N. Ojaroudi, R. Habibi, and H. Ebrahimian, "Microstrip Low-Pass Filters by Using Novel Defected Ground Structure Slot with a pair of Protruded T-shaped strips inside the Slot", ADVANCED ELECTROMAGNETICS SYMPOSIUM, AES 2012, 16 – 19 APRIL 2012, PARIS - FRANCE
- [5] **M. Ojaroudi**, , and N. Ojaroudi, "Design of Triple-Band S-Shaped Monopole Antenna with a pair of L-Shaped Slots for MIMO Applications", GERMAN MICROWAVE CONFERENCE, GEMIC 2012, 12 – 14 MARCH 2012, ILMENAU - GERMANY.
- [6] N. Ojaroudi, R. Habibi, **M. Ojaroudi**, Ch. Ghobadi, and J. Nourinia, "Compact Ultra-Wideband Monopole Antenna with Dual Band Notch Function", GERMAN MICROWAVE CONFERENCE, GEMIC 2012, 12 – 14 MARCH 2012, ILMENAU - GERMANY.
- [7] R. Habibi, N. Ojaroudi, **and M. Ojaroudi**, "Small Square Slot Antenna with Band-Notch Performance for UWB Wireless Communications", GERMAN MICROWAVE CONFERENCE, GEMIC 2012, 12 – 14 MARCH 2012, ILMENAU - GERMANY.
- [8] Sh. Amiri, N. Ojaroudi, and **M. Ojaroudi**, "Novel Frequency Band-Notch Small Square Monopole Antenna with Inverted Ω -Shaped Conductor Backed Plane for UWB Systems", International Symposium on Antennas and Propagation , ISAP 2012, 29 OCTOBER- 2 NOVEMBER 2012, NAGOYA – JAPAN.
- [9] Sh. Amiri, N. Ojaroudi, and **M. Ojaroudi**, " Band-Notched Small Slot Antenna with Enhanced Bandwidth by Using Parasitic Structures inside Slots for UWB Applications", International Symposium on Antennas and Propagation , ISAP 2012, 29 OCTOBER- 2 NOVEMBER 2012, NAGOYA – JAPAN.
- [10] **M. Ojaroudi**, and E. Mehrshahi, " Novel Band-Stop Small Square Monopole Antenna by Using Interdigital Strip Protruded inside the Rectangular Slot as a Band-Stop Filter with its Equivalent Circuit based on TDR Analysis for UWB Applications", International Symposium on Antennas and Propagation , ISAP 2012, 29 OCTOBER- 2 NOVEMBER 2012, NAGOYA – JAPAN.
- [11] Sh. Amiri, N. Ojaroudi, F. Geran and **M. Ojaroudi**, "A novel and compact monopole antenna with band-stop performance for UWB applications ", Page(s): 1156 – 1158, Telecommunications Forum (TELFOR), 2012 20th, BELGRADE-SERBIA
- [12] **M. Ojaroudi**, N. Ojaroudi, Sh. Amiri and F. Geran, "Band-notched small microstrip slot antenna by using parasitic structures inside the slots for UWB applications ", Page(s): 1168 - 1170, Telecommunications Forum (TELFOR), 2012 20th, BELGRADE-SERBIA
- [13] Sh. Amiri, N. Ojaroudi, F. Geran and **M. Ojaroudi**, "Omni-directional/multi-resonance monopole antenna for Microwave Imaging Systems ", Page(s): 1156 – 1158, Telecommunications Forum (TELFOR), 2012 20th, BELGRADE-SERBIA
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- [15] M. Ojaroudi, N. Ojaroudi, S. Sharifi, and N. Fateri, A NOVEL DESIGN OF PRINTED MICROSTRIP ANTENNA TO SECURE WIRELESS BODY AREA SENSOR NETWORK (WBASN) FOR USE IN DIABETES MANAGMENT ", THE 6TH INTERNATIONAL CONFERENCE, ADVANCED TECHNOLOGIES AND TREATMENT FOR DIABETES , 27 FEBRUARY – 2 MARCH 2013, PARIS - FRANCE.
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- [19] H. Ebrahimian, **and M. Ojaroudi**, "DESIGN OF A NOVEL ULTRA-WIDEBAND PRINTED MONOPOLE ANTENNA FOR USE IN A CIRCULAR CYLINDRIVAL MICROWAVE IMAGING SYETE", Bio-electromagnetic international workshop, Istanbul, Turkey, October 2010
- [20] Sh. Amiri, N. Ojaroudi, and **M. Ojaroudi**, "Novel Design of Printed Slot Antenna with C-band Rejection for UWB Wireless Systems" The sixth International Symposium on Telecommunications (IST2012), 6-8 November, 2012. , Tehran, Iran.