



## Prof. Mohammad Javad Dehghani

### President:

Regional Information for Science and Technology (RICEST) and  
Islamic World Science Citation Center (ISC), Dec 2014 to present

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### EDUCATIONAL RECORDS

| Education Status | Graduation Year | Field of Study            | University   | More...  |
|------------------|-----------------|---------------------------|--|--|
| B.Sc             | 1988            | Communication Engineering | Isfahan University of Technology Isfahan, Iran         |  |
| M.Sc             | 1991            | Communication Engineering | Isfahan University of Technology, Isfahan, Iran        |  |
| Ph. D            | 2003            | Communication Engineering | Indian Institute of Technology, Madras, Chennai, India | Thesis: Digital Signal Processing for Wireless Communication |

### EXECUTIVE RECORDS

|   |                     |
|---|---------------------|
| Professor in Dept. of Communication Engineering, Shiraz University of Technology, Shiraz, IRAN                        | 2020                |
| Associate professor in Dept. of Communication Engineering, Shiraz University of Technology, Shiraz, IRAN              | 2010-2020           |
| Assistant professor in Dept. of Control Engineering, Shiraz University , Shiraz, Iran,                                | 1992-2009           |
| President:: Regional Information for Science and Technology,( RICEST) and Islamic World Science Citation Center (ISC) | Dec 2014 to present |

|   |                |
|---|----------------|
| Member of the Board of Trustees of Shiraz University  | 2014 - present |
| Member of the Board of Trustees of Shiraz University of Technology  | 2016- present  |
| Member of the Audit Board of Shiraz University  | 2014- present  |
| Representative of Minister of Science Research and Technology in Shiraz University of Technology Monitoring Committee | 2014-present   |
| Member of Fars Province Higher Education Accreditation Committee  | 2008-present   |
| The vice-president for Education and Research Affairs, Shiraz University of Technology, Shiraz, IRAN                  | 2013-2014      |
| The vice-president for Education and Research Affairs, , Shiraz University of Technology, Shiraz, IRAN                | 2004-2011      |
| Education Deputy, Faculty of Electronic Industry, Shiraz University   | 1998-1999      |
| Head of Department, Faculty of Electronic Industry, Shiraz University   | 1995-1997      |

#### **SOME OF THE POSTGRADUATE THESES SUPERVISED**

|    |  |
|----|--|
| 1. | M.Rahmani Ghortani, “Deep learning-based Power Allocation in Uplink Cell-Free Massive MIMO for 5G networks and beyond”, 2021   |
| 2. | A.Shahim Aein, “Two - Dimensional Direction of Arrival Estimation of Coherent Signals Based on Decorrelation and Subspace Algorithms”, 2020                            |
| 3. | F.Moradi, “Resource Allocation and Mode Selection for Device to Device Communications in LTE-A Network”,2020   |
| 4. | E.Namavar Sarani,” Hyperspectral Images Classification Using Spatial Information of Superpixels”,2020  |
| 5. | E.Faregh,”Performance Enhancement and Evaluation of Two-Way Massive MIMO Communication Systems with Simultaneous Wireless Information and Power Transfer (SWIPT)”,2019 |
| 6. | R.Zandi,” Underwater acoustic sensor network localization and time synchronization”,2019   |
| 7. | Z.Mohammadian,” Spectrum and Power Radio Resource Allocation Optimization in Multicarrier Modulation-Based Heterogeneous Cellular Networks”2019                        |
| 8. | F.Homayon,” Evaluating and Improving The performance of Antenna Selection and Combining Techniques in SM-MIMO systems”,2018  |

|     |   |
|-----|---|
| 9.  | V.Kavoosi," Multiple target localization in a distributed passive SONAR system",2016  |
| 10. | Z. Bozorgasl, "High Resolution 2-D Direction-of-Arrival Estimation in Uniform Arrays Using Sparse Representation of Signals", 2013-2014.  |
| 11. | M.Bashar," Complexity Reduction Techniques in Cellular Network MIMO Downlink",2013  |
| 12. | A. Mohammadi, "An optimal approach for resource allocation in two layer network with hybrid access", 2013-2014.   |
| 13. | R. Abiri, "Channel Estimation in MIMO Amplify-and-Forward Wireless Relay Networks", 2012-2013   |
| 14. | S. Arabameri, "Outage Probability and Interference Reduction Considerations in Heterogeneous Cellular Networks", 2012-2013.   |
| 15. | M. Bashar, "Complexity Reduction Techniques in Cellular Network MIMO Downlink", 2011-2012   |
| 16. | E. Baktash, "Modeling of Shallow Water Acoustic Channels", 2011-2012.   |
| 17. | S. Heshmati, "Intercarrier Interference Reduction For Ofdm Systems In Underwater Acoustic Channels", 2011-2012.   |
| 18. | A. Sahraeian, "Feasibility study and Simulation of an Active Sonar System Based on Dolphin Biosonar System", 2011-2012  |
| 19. | H. Ghodrati, "Non-Ideal Iris Recognition", 2010-2011.   |
| 20. | H. Ghasemnezhad, "Peak To Average Power Ratio Reduction For OFDM Systems", 2010-2011.   |
| 21. | A. Zahernia, "Using High Resolution Algorithms in Sonar Systems for Directional Of Arrival Estimation in Shallow Waters Conditions", 2009-210.                                    |
| 22. | M. Zohari, "E-Marketing Model With Cultural Principles And SEO Factors", 2011-2012  |
| 23. | S. Rashdshomali, "Study The Consequences Of Website Design On E-Trust and E-Loyalty In Iran B2C Ecommerce Websites", 2012-2013.   |
| 24. | N. Feridoni, "Evaluation of Factors Arising From the use and development of Information Technology and automation Projects, in improving Oorganizational Productivity", 2012-2013 |

## HONORS & AWARDS

- Top Researcher in 2019
- The Top Student in PhD Course 2002-2003 (Award from the Minister of Science and Technology)
- Second Student among master's graduates in 1991 (Award from the Minister of Science and Technology)

## Teaching Experiences

### Undergraduate Courses

- Signals & Systems
- Electrical Networks (I, II)
- Electromagnetic
- Engineering Mathematic
- Microprocessors

### Graduate Courses

- Digital Signal Processing
- Advanced Topics in Digital Signal Processing
- Advanced Communication Theory
- Digital Filter Design

## List of Published Papers

1. Vali Kavooosi, MohammadJavad Dehghani, Reza Javidan, "Underwater Acoustic Source Positioning by Isotropic and Vector Hydrophone Combination", Journal of Sound and Vibration, 2021
2. Assieh Shahimaeen, Mohammad Javad Dehghani, "Multistage direction-of-arrival estimation approach for noncoherent and multigroup coherent signals", Transactions on Emerging Telecommunications Technologies, 2020
3. Vali Kavooosi, Mohammad Javad Dehghani, Reza Javidan, "Three Dimensional Localization of an Unknown Target Using Two Heterogeneous Sensors", Signal and Data Processing, No. 1, Series 43, 2020
4. Effatsadat Faregh, Mohammad Javad Dehghani, "Performance Analysis of MIMO and MISO Time Division Duplexing Wireless Links with SWIPT and Antenna Selection", Wireless Networks, Published Online: 12 May 2020
5. Zahra Mohammadian, Mohammad Javad Dehghani, Mohsen Eslami "Efficient Resource Allocation Algorithms for High Energy Efficiency with Fairness among Users in OFDMA Networks", Engineering Science and Technology, an International Journal, 2020
6. M. Lohrasbi, M. J. Dehghani, Z. Mohammadian, "Analysis of Twin-Layer Cellular Networks and Frequency-swapping Aided Femtocell Relying on Fractional Frequency Reuse", International Journal of Electronics and Communications (AEU), Published 31 July 2019
7. A. Shahimaeen, M. J. Dehghani, M. Dodangeh, "Two-dimensional DOA Estimation for Noncoherent and Coherent Signals Using Subspace Approach", Transactions on Emerging Telecommunications Technologies, Published 13 September 2019
8. F. Homayoun, M. Eslami, M. J. Dehghani, "Transmit Antenna Selection Based 3-D Constellation Design for JM-SM and JM-GSM", Turkish Journal Of Electrical Engineering & Computer Sciences
9. A. Shahimaeen, M. J. Dehghani, "Two-dimensional DOA estimation for coherent signals using a novel covariance-like matrix", Emerging Telecommunications Technologies, 2019
10. S. ArabAmeri, M. J. Dehghani, J. Haghighat, "Improving Coverage Probability in Heterogeneous Networks Based on Poisson Point Process", Iranian Journal of Science and Technology, Transactions of Electrical Engineering, 2018
11. Z. Mohammadian, M. J. Dehghani\*, M. Eslami and M. Dodangeh, "Max-Min Energy-Efficient Sub-channel Assignment and Power Allocation in Interference-Limited OFDMA Heterogeneous Networks with QoS Guarantee", Emerging Telecommunications Technologies (ETT), 2018.
12. A. Mohammadi, M. J. Dehghani and E. Ghazizadeh, "Game Theoretic Spectrum Allocation in Femtocell Networks for Smart Electric Distribution Grids," Energies 2018, 11(7), 1635
13. E. Mortazavi, Reza Javidan, M. J. Dehgani, V. Kavooosi, "A Robust Method for Underwater Wireless Sensor Joint Localization and Synchronization," Ocean Engineering Journal, 2017, vol 137, pp. 276-286.
14. V. Kavossi, M. J. Dehghani, R. Javidan, "Selective geometry for near-field three dimensional localisation using one-pair sensor" IET Radar, Sonar & Navigation, 2016, vol. 10, pp. 844-849.
15. E. Baktash, M. J. Dehghani, M. Karimi, " Shallow Water Acoustic Channel Modeling Based on Analytical Second Order Statistics for Moving Transmitter/Receiver," IEEE Transaction on Signal Processing, vol. ۶۲, no. ۱۰, pp. ۱۴۲۸-۱۴۱۵, ۲۰۱۵.
16. M. Bashar, M. Eslami and M. J. Dehghani, "Threshold-Based CSI Feedback Reduction for Time-Varying MIMO Broadcast Channels", IET Communication, vol. ۸, no. ۹, pp. ۱۶۲۵-۱۶۱۶, ۲۰۱۴.

17. H. Ghasemnezhad, M. J. Dehghani and S. Talebi, "A new low complexity technique for PAPR reduction by using peak-flipping", *International Journal of Information and Communication Technology* 2014 - Vol. 6, No.1 pp. 49 - 57
18. K. Kazemi, M. R. Amirian, and M. J. Dehghani, "The S-transform using a new window to improve frequency and time resolutions", *Signal, Image and Video Processing Journal*, Springer 2013, vol 7, pp.192-199
19. H. Ghodrati, M. J. Dehghani and H. Daniyali, "Shape Adaptive, Robust Iris Feature Extraction from Noisy Iris Images," *Journal of Medical Signals & Sensors*, Vol 3 | Issue 4 | Oct-Dec 2013
20. K. Kasiri, K. Kazemi; M. J. Dehghani, M. S. Helfroush, "A Hybrid Hierarchical Approach for Brain Tissue Segmentation by Combining Brain Atlas and Least Square Support Vector Machine," *Journal of Medical Signals & Sensors*, Vol 3 | Issue 4 | Oct-Dec 2013
21. H. Ghodrati, M. J. Dehghani and H. Daniyali, "A new accurate noise-removing approach for non-cooperative iris recognition," *Signal, Image and Video Processing Journal*, Springer 2012, vol 6, pp.162-173
22. H. Ghodrati, M. J. Dehghani, and H. Daniyali, "Two Approaches Based on Genetic Algorithm to Generate Short Iris Codes," *IJ. Intelligent Systems and Applications*, 2012, vol 8, pp. 62-79
23. A. Zahernia, M. J. Dehghani and R. Javidan, "Direction of Arrival Estimation Using MIMO Arrays," *Radiomatics, Journal of Communication Engineering* Vol.3, 2012
24. M. J. Dehghani, A.R. Shahabinia and Ali Akbar Safavi, "Implementation of Wireless Data Transmission Based on Bluetooth Technology for Biosignals Monitoring", *World Applied Sciences Journal*, vol. 10, no.3, 2010, pp. 254-261
25. M. Haji Zadeh, M. J. Dehghani and M. S. Helfroush, "Improvement of Image Zooming Using Least Directional Differences based on Linear and Cubic Interpolation" *IST Transactions of Computer Vision Systems-Theory and Applications*, 2010
26. M. Haji Zadeh, M. J. Dehghani, M. S. Helfroush and A. Tashk, "A Robust Blind Image Watermarking Method Using Local Maximum Amplitude Wavelet Coefficient Quantization," *Advances in Electrical and Computer Engineering (AECE)*, Vol. 3, 2010
27. A. Tashk, M.S. Helfroush and M. J. Dehghani, "A Legendre/Chebyshev Polynomials Interpolation Approach for Fingerprint Orientation Estimation Somthing and Prediction", *Journal of Zhejiang University-Science,(Appl Phys & Eng)*, 2010
28. M. R. Salehi and M. J. Dehghani, "Influence of Optical Microwave Mixing on Conversion of FM-to-Intensity Noise in Microwave Modulated Interferometric Systems" *Journal of Optical Communications*, vol. 30, no. 4, pp. 230-233, 2009
29. M. R. Salehi and M. J. Dehghani, "Modulated noisy light propagated on dispersive fiber in optical links", *Eur. Phys. J. Appl. Phys.* 44, pp. 255-259, 2008
30. M. J. Dehghani, "Robust OFDM System with ml-HIM Encoding" *EURASIP Journal on Wireless Communications and Networking*, Vol. 1, pp. 1-7, 2006
31. M. R. Salehi and M. J. Dehghani, "Analysis of optical fiber chromatic dispersion in noisy interferometric systems", *the European Physical Journal Applied Physics*, *The European Physical Journal Applied Physics*, Vol. 35, No. 1 pp .37, July 2006
32. M. J. Dehghani, R. Aravind and K. M. M. Prabhu, Design of M-Channel IIR Uniform DFT Filter Banks Using Recursive Digital Filters, *Journal of the Electronics and Telecommunications Research Institute (ETRI)*, Vol. 25, pp. 345- 354, 2003
33. M. J. Dehghani, K.M.M. Prabhu and R. Aravind, "Designing M-Channel IIR Uniform DFT Filter Banks Using Interpolated IIR Technique", *Iranian Journal of Electrical and Computer Engineering (IJECE)*, Vol. 1, pp. 61-68, 2002
34. H. Alavi, M. J. Dehghani and M. R. Akhavan, "Phase Only Synthesis of Antenna Patterns Using Iterative Restoration Methods", *Journal of Engineering*, Islamic Republic of Iran, Vol. 6, No. 1, pp.5-10, 1993

## List of Conference Papers

1. M. J. Dehghani, M.R. Falahati, "An Analysis of Asaihl Countries Scientific Production Based On Scientometric Measures: A Comparison to World Performance" *ASAIHL Conference 2018*, Qazvin Islamic Azad University, Iran
2. M. J. Dehghani, "Increasing Efficiency of Research in Universities and Research Institutions", *ASAIHL Conference 2018*, Qazvin Islamic Azad University, Iran
3. M. J. Dehghani, S. Banizamani and K.M.M. Probhu, "Modified Distributed Power Control with Dynamic Target-SIR-Tracking in Wireless Networks", *International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT)* March 2016, Madras, India.
4. Z. Bororgasl, M. J. Dehghani, "2-D DOA Estimation in Wireless Location System Via Sparse Representation", *4th international conference on computer and knowledge engineering (ICCKE)*, 2014, Mashhad, IRAN.
5. A. Mohammadi, M.J. Dehghani, "Spectrum Allocation Using Fuzzy Logic with Optimal Power in Wireless Network", *4th international conference on computer and knowledge engineering (ICCKE)*, 2014, Mashhad, IRAN.
6. M. Bashar, M. Eslami and M. J. Dehghani, "Zero-Forcing Precoding with Partially Outdated CSI Over Time-Varying MIMO Broadcast Channels", *IEEE VTC2013-Spring Conference*, 2-5 June 2013, ICCD, Dresden, Germany
7. S. Heshmati, M. J. Dehghani, and R. Mohseni, "Intercarrier Interference Suppression for OFDM Systems in Underwater Acoustic Channels" *21th Iranian Conference on Electrical Engineering (ICEE)*, 17-19 May 2013, Mashhad, IRAN
8. V. Kavooosi, M. J. Dehghani, and R. Javidan, "A New Method for Near Field 3D Localization using One-Pair Sensor", *15th Marine Industries Conference*, 29-31 oct.,2013, Kish, Iran
9. M. Sahraeian, M. J. Dehghani, and R. Javidan, "Sonar Signal Simulation of the Echolocation of Bottlenose Dolphins", *15th Marine Industries Conference*, 29-31 oct.,2013, Kish, Iran
10. R. Akbarian, M. J. Dehghani, and M. Ebrahimi, "Determining Customer Satisfaction Index Model in Customer Relationship Management (CRM)", *the 5th Conference on Information and Knowledge Technology (IKT 2013)*, 22-24 May, 2013, Shiraz, IRAN
11. M. J. Dehghani, Z. Karbalaei, and M. Mahzon, "Design of a wide band antenna array with cosecant square pattern using genetic algorithm", *20th Telecommunications Forum (TELFOR)*, 564-567, 20-22 Nov. 2012 Belgrade, Serbia.
12. M. Bashar, M. Eslami and M. J. Dehghani, "CSI Feedback Reduction Techniques for Cellular Downlink with Coordinated Multi-Point Transmission", *20th Iranian Conference on Electrical Engineering (ICEE)*, 2012, 17-19 May 2012, IRAN
13. M. J. Dehghani, N. Jafarian, and K. kazemi, "Peak-to-Average Power Ratio in 3-D OFDM system", *20th Telecommunications Forum (TELFOR)*, 475-477, 20-22 Nov. 2012 Belgrade, Serbia.
14. M. Bashar, M. J. Dehghani, M. Eslami, and M. Rasti, "Simplified SVD-BD technique for cellular downlink with coordinated multi-point transmission", *20th Telecommunications Forum (TELFOR)*, 237-240, 20-22 Nov. 2012 Belgrade, Serbia.

15. H. Ghasemnezhad, M. J. Dehghani and M. Rashidpour; "PAPR Reduction by Using New Clipping Technique and Modified Iterative Reconstruction," Mosharaka International Conference on Communications, Signals and Coding, (MICC2011), 7-9 Oct 2011, Cyprus
16. M. Sahraeian, M. J. Dehghani, and R. Javidan, "Simulation of directional receiver in bottlenose dolphin echolocation system", 13th Marine Industries Conference, 29-31 Oct., 2011, Kish, Iran.
17. A. Zahernia, M. J. Dehghani and R. Javidan, "MUSIC Algorithm for DOA Estimation Using MIMO Arrays," The 6th International Conference on Telecommunication Systems, Services, and Applications 2011 (TSSA 2011), 20-21 Oct., 2011, Bali, Indonesia
18. Kasiri, K.; Kazemi, K.; Dehghani, M. J.; Helfroush, M. S., "Hierarchical method for brain MRI segmentation based on using an support vector machine," Electrical Engineering (ICEE), 2011 19th Iranian Conference on, 17-19 May 2011, IRAN
19. H. Ghasemnezhad; M. J. Dehghani and S. Ranjbar; "A rate-3/2 full-diversity 4x3 space-time code with reduced ML decoding for three transmit antennas," Electrical Engineering (ICEE), 2011 19th Iranian Conference on, 17-19 May 2011, IRAN
20. H. Ghodrati, M. J. Dehghani and H. Daniyali, "Iris feature extraction using optimized Gabor wavelet based on multi objective genetic algorithm," Innovations in Intelligent Systems and Applications (INISTA), 2011 International Symposium on, 15-18 June 2011, Turkey
21. Kasiri, K.; Dehghani, M. J.; Kazemi, K.; Helfroush, M. S.; Kafshgari, S.; "Comparison evaluation of three brain MRI segmentation methods in software tools," Biomedical Engineering (ICBME), 2010 17th Iranian Conference of, 3-4 Nov. 2010, IRAN
22. N. Jafarian, K. Kazemi, R. Grebe, M. S. Helfroush, M. J. Dehghani, H. Abrishami-Moghaddam, C. Gondary-Jouet, F. Wallois; "Automatic fontanel extraction from newborns' CT-images using a model based level set method," Biomedical Engineering (ICBME), 2010 17th Iranian Conference of, 3-4 Nov. 2010, IRAN
23. M. Hajizadeh, M. S.; Helfroush, and M. J. Dehghani; "A novel blind watermarking method based on distance vector of significant wavelet coefficients," Machine Vision and Image Processing (MVIP), 2010 6th Iranian, 27-28 Oct. 2010, IRAN
24. A. Zahernia, M. J. Dehghani and R. Javidan, "Estimation of the Arrival Angles at Grazing Incidence Direction Using MIMO Arrays," 11th International Conference on Communication Engineering, 22-24 Dec, 2010, IRAN
25. K. Kasiri, K. Kazemi, M. J. Dehghani and M. S. Helfroush, "Atlas-based Segmentation of Brain MR Images Using Least Square Support Vector Machine", International Conference on Image Processing Theory, Tools & Applications (IPTA'10), July 7-10, 2010, Paris – France
26. H. Ghodrati, M. J. Dehghani, M. S. Helfroush, and K. Kazemi, "Localization of noncircular iris boundaries using Morphology and arched Hough transform" International Conference on Image Processing Theory, Tools & Applications (IPTA'10), July 7-10, 2010, Paris – France
27. M. J. Dehghani, M. Haji Zadeh, and M. S. Helfroush, "Blind Water marking Scheme Based on Remainder of Distance Vector of Wavelet Coefficients", 2010 2nd International Conference on Signal Processing Systems (ICSPS-2010) 5-7 July, 2010, Dalian, China
28. M. Haji Zadeh, M. J. Dehghani, M. S. Helfroush, K. Kazemi, "A Robust Wavelet Packet Based Scheme for Blind Digital Watermarking", International Conference on Image Processing Theory, Tools & Applications (IPTA'10), July 7-10, 2010, Paris – France
29. M. Haji Zadeh, M. J. Dehghani, M. S. Helfroush, "Image Magnification Using A New Interpolation Technique" Amsterdam 2009 International Conference on Signal and Image Processing, Sept. 23-25, 2009, Amsterdam, Netherlands.
30. M. J. Dehghani, A. R. Shahaninia, M. Afshang and A.A. Safavi, "Power Quality Classification Method Using LVQ Artificial Neural Network with Fuzzy Clustering Improvement", Amsterdam 2009 International Conference on Signal and Image Processing, Sept. 23-25, 2009, Amsterdam, Netherlands.
31. A. R. Shahaninia, M. J. Dehghani, A.A. Safavi, "Implementation of Wireless Biosignal Processing and Monitoring", Amsterdam 2009 International Conference on Signal and Image Processing, Sept. 23-25, 2009, Amsterdam, Netherlands.
32. A. Tashk, M.S. Helfroush and M. J. Dehghani, "A Conditional Selection of orthogonal Legendre/Chebyshev As a novel Fingerprint Orientation Estimation Somthing Method", 2009 Second International Conference on Machine Vision, 28-30 Dec. 2009, Dubai, UAE
33. K. Kasiri and M. J. Dehghani, "A BLIND SLM SCHEME FOR REDUCING PAPR IN OFDM SYSTEMS", February 25-27, 2009, Malaysia
34. M. J. Dehghani, "Comparison of S-transform and Wavelet Transform in Power Quality Analysis", International Conference on Electronics and Electrical Engineering, February 25-27, 2009, Malaysia
35. M. J. Dehghani and K. M. M. Prabhu, "VOLTAGE FLICKER DETECTION USING WAVELET MULTIREOLUTION SIGNAL ANALYSIS" Proceedings of PSACO-2008
36. M. R. Salehi and M. J. Dehghani, "Influence of Optical Fiber Chromatic Dispersion on Modulated Light in Interferometer Systems" Proceedings of 2nd International Conference on CDAMOP, March 21-23, 2006, India.
37. M. J. Dehghani, R. Aravind and K. M. M. Prabhu, "Space-frequency Block Coding for OFDM Systems", Proc. of the IEEE International Conference, TENCON-2004, pp. 1040-1044, Nov. 21- 24, 2004, Chang Mai, Thailand.
38. V. Sundaram, M. J. Dehghani, K. M. M. Prabhu and R. Aravind, "Design of a Class of M-channel Reduced Complexity IIR Cosine Modulated Filter Banks", Proc. of the IEEE International Conference, TENCON-2003, pp. 1040-1044, October 14- 17, 2003, Bangalore, India.
39. M. J. Dehghani, R. Aravind and K. M. M. Prabhu, "Space-Time Block Coding for in OFDM," Proceedings of National Conference on Communications (NCC), Indian Institute of Technology Madras, Chennai, India, Jan. 31- Feb. 2, 2003, 616-620.
40. M. J. Dehghani, R. Aravind and K. M. M. Prabhu, "Design of a Class of M-Channel, IIR Uniform DFT Filter Banks Using Recursive Digital Filters," IASTED International Conference on Communication and Networks (CCN), Cambridge, Mass., USA., November 4-6, 2002.
41. M. J. Dehghani, K. M. M. Prabhu and R. Aravind, BER Performance of p/4-DQPSK-COFDM System over Rayleigh Fading Channels. Proceedings of International Symposium on Telecommunications (IST2001), Sept. 2-3, 2001, Tehran, Iran, 642-645.
42. M. J. Dehghani, K. M. M. Prabhu and R. Aravind, "Ber Performance of Generalized Differential Encoding for Removing Phase Distortion in OFDM System," Proceeding of International Symposium on Telecommunications (IST2001), Sept. 2-3, 2001, Tehran, Iran, 638-641.
43. K. M. M. Prabhu, T. Aarthi and M. J. Dehghani, "Output Pruning of a more Efficient Radix-2 FHT Algorithm. International Symposium on Telecommunications (IST2001), Sept. 2-3, 2001, Tehran, Iran.
44. M. J. Dehghani, K. M. M. Prabhu and R. Aravind, Application of Interpolated IIR Filters in Designing of M-Channel IIR Uniform DFT Oversampled Filter, Proceedings of International Conference on Information Technology (CIT), Dec. 20-22, 2001, Orissa, India, 92-97.
45. A. Bakhtazad, A. A. Safavi, M. J. Dehghani and J.A. Romagnoli, "Recovery of process noisy data using wavelets" 6th Iranian Conference on Electrical Engineering, IV33-IV38, Tehran, May, 1998.

46. M. J. Dehghani, "Application of Spread Spectrum Modulations in Secret and Immune communication", Communication Security Congress, Tehran, March 1998.
47. M. J. Dehghani, "Analysis and Comparison of Different Algorithms in Signals Adaptive Processing", Proceedings of 3rd Electronics Conference, Shiraz University, October 1995.