

## **Prof. Dr. MURTAZA FARSADI**

**Doğum Tarihi:** 10 Eylül 1957

**Cinsiyet:** Erkek

**İş Adresi:** Electrical Eng. Department, Engineering Faculty, İstanbul Aydın University, İstanbul -Turkey

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### **Eğitim:**

- Ph.D.in Electrical Engineering (high voltage) , Department of Electrical & Electronics Engineering, Middle East Technical University ( METU ) and Istanbul Technical University ( ITU ), Turkey 1989. Thesis title: “ Effects of Electrode Surface Roughness on Corona Inception & Breakdown Voltage in SF6, Nitrogen & SF6+Nitrogen gas mixtures, In Non-uniform Fields ”.
- M.Sc. In Electrical & Electronics Engineering, METU , Turkey 1984. Thesis title: “ Design & Construction of a High-Voltage DC Defibrillator ”.
- B.Sc. In Electrical Engineering, METU, Turkey 1982.

### **İş Deneyimleri:**

- 1982-1987 Research Assistant, Electrical & Electronics Engineering Department, METU, Ankara, Turkey.
- 1987-1989 Development Engineer, Research & Development Division. , ITU, Istanbul, Turkey ( During PhD Programs ).
- 1989-2000 Junior Lecturer & Assistant Professor in Electrical & Electronics Eng. Department, urmia University
- 2000-2011 Junior Lecturer & Associate Professor in Electrical & Electronics Eng. Department, urmia University
- 2011-2018 Junior Lecturer & full Professor in Electrical & Electronics Eng. Department, urmia University
- 2018-today Junior Lecturer & full Professor in Electrical & Electronics Eng. Department, İstanbul Aydın University

### **Yüksek Lisans Tezleri:**

1. “Stability improvement of power system optimal placement using UPFC of west Azerbaijan Network.” Jafar Mostefapour enzeli , 2013

2. "Improving Control Performance of Distribution Static Synchronous Compensator ( D\_STATCOM ) With Space Vector Modulation". Ibrahim Oghabi. 2013
3. "Optimal Placement of SSSC in Power System to Increase Reliability by The use of Intelligent Method" Omid Zare Seseler. 2014
4. "Optimal Placement of UPFC in Power Systems To Enhance loadability Transmission Lines Using Intelligent Algorithms" . Mortaza Azadniya. 2014
5. "Capacitor Placement in Distributed Networks of infected birds by harmonic algorithm approach to improve voltage profile and reduce losses". Majid khezerloo. 2014
6. "Provide a New Method to optimize the power system load Flow " Amin Nozohour gherebagh. 2014
7. "Discussing About Speed Control of Available Various Synchronous Motors in Industry By Providing a New Method ". Yashar Farajpour. 2014
8. "Design and Control Renewable Energy For Stationary Units ". Amin Bahramifar . 2013
9. "Improvement of The Performance of Inverter Connected to Renewable Energy Sources With a change in The Method of switching ". Moheemmed Hossein Farrokhi. 2014
10. "Analysis and Simulation of Multilevel Inverters Connected to Renewable Energy Sources ". Saeed Homayi. 2014
11. "The Impact of Charging Electrical Vehicles on Power distribution Networks " Kazem Farajzadeh . 2013
12. "Design And simulation of Dynamic Voltage Restorer ( DVR ) Based on Modular Multilevel Converter ( MMC ) " . Ali Vefamehr . 2013
13. "Harmonics Suppression and Power Quality Enhancement and Voltage Stability in Wind Farm Integrations to The Power System ". Ali GharaShahrak . 2012
14. "Application of UPFC Based on SVPWM for Power Quality Improvement ".Yasin Poorahmadi. 2012
15. "Compensation of Voltage Disturbance Using Dynamic Voltage Restorer ( DVR ) " Saeed Sabernia. 2014
16. "A Novel Switching Modulation Methods in Multilevel Inverter " Hadi Farshber . 2013
17. "Brushless DC Motor Drive Control For Electrical Vehicle and Proposing new Control Method " Hamideh Ejtemaei. 2013
18. "Analysis of Characteristics and Applications of Superconductor Cables in Power System " Behnam Emiri Jahed. 2014
19. "Control and Protection of Power System With Phsor Measurement Unit ( PMU ) " Amin Sarijali. 2011

20. "Using of Fact Devices In HVDC Transmission Lines for Communication Different Networks " Karim Araszadeh . 2012
21. "Using PMU for Control The Power Quality " Hadi Shojaei . 2011
22. "Cancellation of DC Transmission Line Current Harmonics in HVDC Transmission Systems " Mehdi Hajibeigy. 2011
23. "Application Facts Device on A Wind Farms for Power System Balancing and stability Margin Enhancement " Mozghan Balaver. 2010
24. "Study and Investigation of Classic HVDC and VSC – HVDC and Proposed Control systems" Arash Allahyari. 2014
25. "A novel Fuzzy Speed Controller for Improving Speed Controlling of Induction Machines torque – Speed Characteristics " Kameran Ghaderi . 2014
26. "Design and construction A Novel Power Factor Correction System By using Electrical and Hybrid Vehicle Power sources ". Yashar Khanchupani. 2015
27. "Design and Construction A novel Power Electronics Converter For Photovoltaic systems ." Mostafa Barzegar Kalashani. 2015
28. "A New Method for Controlling Electrical Apparatus in Smart Building." Nima Sefidian, 2015
29. "Design and Simulation a Novel DC\_DC Converter With High Level Efficiency for Charging Electrical Vehicles," Saideh Hagiloo , 2015
30. "Investigation Effects of Electrical Vehicles in Distribution Systems" Resul Yekani, 2015
31. "A new Method for Controlling Biomass Systems in Smart Grids " Murtaza Mesoudi, 2015
32. "Assessment and Optimal Location of PST transformer in Electricity Network Throughout Iran" Assad Ahmadi, 2015
33. "Smart Reconfiguration in distribution Networks after fault inception in order to minimize fault impact and energy not Supplied" Ameneh Rohinejad, 2016
34. "A Novel Control Method for Connection Power System with PV Sources to Diesel Generator Micro grids" Shehriyar Jeydi, 2016
35. "Detection in Rush and Fault Currents in Power Transformer by using wave let Theory and fuzzy Logic Controller " Amir Mojerred Gharabagh, 2016
36. "Optimization of Micro Grid in Order To Power Quality Control In Local Electricity System " Behnam Aslanzadeh, 2016
37. "Examination of the facts in the distribution system equipments of Urmia city" Mehdi Amrollahi Deviran, 2016

38. "Developing a Multilevel Voltage Source Inverter with Reduced Number of Switches" Darioush Bagherlou, 2016
39. "Control of UPFC & IPFC in power systems with distributed generations" Mohsen Hossein Zadeh, 2016
40. "Voltage boost converter design with variable renewable sources " Reza Rahimi, 2016
41. "Smart homes control in smart grids with renewable energy" Mensureh Golamzadeh, 2016
42. "Investigation power Quality in power systems with distributed generation" Perisa Genizadeh Hesar, 201
43. "Application of high penetration solar farms as power system stabilizer" Babek Ghasemi, 2016
44. "Analyzing the performance of Electric and Hybrid Electric Vehicles in Smart Grids" Chia Laily pour, 2017
45. "Wide Area Measurement Based Damping Controller Design In Facts Devices for Damping Sub Synchronous Resonance" Aresh Ghasemi, 2017
46. "Optimal Sizing and Sitting of Distributed Generation Resources With Possibility To Inject Reactive Power By Using Multi object Function " Hadi Hossein nejad, 2017
47. "Study Impact of Coordination the Scheduling of Multiple PEV Charging Stations For Improved Load Profile , Loss Minimization And Voltage Deviation " Mehzad Gheybi, 2017
48. "Energy Management of Hybrid Electrical Vehicles Using Renewable Energy Sources" Sadegh Dresti, 2017
49. "Optimization Charging Station Placement in Smart Grids With Different Distribution Generators." Ghader Alizadeh, 2017
50. "Smart Control of Different Electrical Parts in Electrical and Hybrid Electrical Vehicles." Mehrab Taghizadeh. 2017
51. "Control of Smart Home in Smart Grids." Gholamzadeh. 2017
52. "Control of charging station for electrical vehicles in Micro grids". Shahin Ghaffari, September, 2017
53. "Optimization the performance of smart micro grids with various electrical storage Systems." Mhemmed reza Moherrebi, September 2017
54. "Investigation charge and discharge of Electrical Vehicles with respect to load Forecasting in an Aggregative Area." Armin Kheyri, January 2018
55. " Combined Fuzzy Routing and Artificial Bee Colony for Real –Time Path Planning of Mobile Robots In Complex Enviromental". 2019

56. "NEW MICRO-INVERTER FOR PHOTOVOLTAIC APPLICATIONS". 2019
57. "Control of Different Electric Loads in More Electric Aircraft". 2020
58. "Control for Dc Microgrid Feeding Uncertain Loads in More Electric Aircraft". 2020
59. "INVESTIGATION OF NEW CONTROL METHODS FOR HYBRID AC/DC MICROGRID". 2019
60. "High Gain DC-DC Converter with Switched Capacitor for Solar PV Applications". 2021
61. "Multilayer Architecture for Voltage and Control in Networked Microgrid". 2020
62. "Power Quality Control & Economic Operation in PV-BES-DG in Autonomous". 2020
63. "DESIGN A NOVEL INVERTER FOR SOLAR PHOTOVOLTAIC SYSTEM". 2020
64. "Investigation of Different Methods for Load Sharing and Power Management" Hybrid Micro-Grid . 2020
65. "Analysis and Mitigation of Power Quality Issues in Distributed Generation Systems Using Custom Power Devices". 2020
66. "Control Pv-Battery Microgrids With New method". 2020
67. "Investigating Boost Fly-Back Micro Converter for Photovoltaic Application". 2019
68. "NEW CONTROL METHOD FOR DUAL VOLTAGE RECTIFIER". 2019
69. "Control Microgrid with Renewable Energy Source and Multiple Converters". 2020
70. "Effect of Different MPPT Algorithm for Linear and Nonlinear Loads in PV System". 2021
71. "Hybrid Microgrid With Parallel-and Series- Connected Microconverters". 2021

### **Doktora Tezleri:**

1. "Optimal allocation of charging stations of electric vehicles and distributed energy resources in the micro grid", Monireh Ahmedi , 2020
2. "Optimal Robust Operation of Smart Distribution Systems with Renewable Generations" Omid Zareh Seseler, 2017
3. "Consensus-Based Energy Management in Smart Grid " Mohemmed reza Ferzinniya, 2017
4. "Investigation Electrical Springs in Smart Distribution Systems" Mostefa Berzger Keleshani, 2017

## Makaleler:

1. M. Farsadi, "A Brief Review of Design And Application of Instrument Current Transformers" Scientific – Technical Magazine of Electrical Power Industry PP.24-31, March, 2001.
2. M. Farsadi "Breakdown And Corona Inception Voltages In uniform And Non-uniform With Compressed  $SF_6$ ,  $N_2$  And  $SF_6 + N_2$  Gas Mixtures" Scientific-Technical Magazine of Electrical Power Industry PP.34-39, March, 2002.
3. M. Farsadi, "A Brief Review of Design And Application of Instrument Voltage Transformers" Scientific – Technical Magazine of Electrical Power Industry.18-23, May, 2003.
4. M. Farsadi, O. Kalenderli, "Electric Field Calculations With The TTM Algorithm" WSEAS Transactions on Computers, PP. 1432-1439, Issue 10, Vol. 4, October 2005 ( Scopus indexed Journal )
5. SMH. Hosseini, H. Samadzadeh, J. Olamaei, M. Farsadi, "SSR Mitigation With SSSC Thanks to Fuzzy Control," TURKISH JOURNAL OF ELECTRICAL GINEERING & COMPUTER SCIENCES, ( TUBITAK ), Ankara- Turkey Code Number; ELK- 1112-81 Date of Acceptance: 19/03/2012 ( ISI & ISC Indexed Journal)
6. M. Hajibeigy, M. Farsadi, D. Nazarpour, H. Golahmadi, " Harmonic Suppression In HVDC Using A Modified Control Method for Hybrid Active DC Filter. " EUROPEAN TRANSACTIONS ON ELECTRICAL POWER, PP 294 – 307, 19 January 2011, in Wiley online Library ( ISI Indexed Journal )
7. Sarijali, M. farsadi, " Application of D- STATCOM To Improve The Power Quality And Transient Operation of Induction Motor, " International Review on Modelling and Simulations PP. 318 – 324, (I.RE.MO.S.), Vol 4, N. 1, February 2011 , ( Scopus Indexed Journal)
8. J. Khazaie, S. Badkubi, D. Nazarpour, M. Farsadi, " Analysis And Improvement of The Doubly Fed Induction Generator During Grid Voltage Faults, " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.65- 70, Issue 9, Volume 3, Number 4 , June 2011. ( ISC Indexed Journal)
9. M. Hajibeigy, M. Farsadi, KH. Behbudi Asl, " A Modified Structure of Hybrid Active DC Filter In HVDC System , " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.11- 16, Issue 10, Volume 4, Number 1 , March 2012. ( ISC Indexed Journal )
10. K. Araszadeh, M. Farsadi, " Sub synchronous Torsional Oscillations And Resonance Mitigation In HVDC System and STATCOM combination . " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.59- 65, Issue 10, Volume 4, Number 1 , March 2012. ( ISC Indexed Journal )
11. Mitigation In HVDC System and STATCOM combination . " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.59- 65, Issue 10, Volume 4, Number 1 , March 2012. ( ISC Indexed Journal )

12. H. Gahramani, A. Lak, M. Farsadi, H. Hosseini, "Mitigation of SSR and LFO with TCSC based Conventional Damping Controller Optimized by PSO Algorithm And Fuzzy Logic Controller ." TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, ( TUBITAK ), Ankara- Turkey Code Number; ELK- 1112-81 Date of Acceptance: 19/03/2012 ( ISI & ISC Indexed Journal )
13. H. Hosseini, M. Farsadi, A. Lak, H. Ghahramani, N. Razmjooy, " A Novel Method Using Imperialist Competitive Algorithm ( ICA ) For Controlling Pitch Angle In Hybrid Wind And PV Energy Production System . " " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.145- 152, Issue 11, Volume 4, Number 2 , June 2012. ( ISC Indexed Journal )
14. M. Mokhtari, J. Khazaie, D. Nazarpour, M. Farsadi, " Interaction Analysis of Multifunction FACTS and D-FACTS Controller by MRGA. " TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, ( TUBITAK ), Ankara- Turkey Code Number; ELK- 1112-76 Date of Acceptance: 16/05/2012 . ( ISI & ISC Indexed Journal )
15. M. Farsadi, M. Tohidi, " Detection Method of PD In Underground Cable. " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.182- 190, Issue 11, Volume 4, Number 2 , June 2012. ( ISC Indexed Journal )
16. J. Khazaie, D. Nazarpour, M. Farsadi, M. Khalilyan, S. Badkubi, " Shunt Hybrid Active Power Filter To Alleviate The Harmonics of VSC-HVDC In OFF – SHORE Wind Farms ." International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.162- 169, Issue 11, Volume 4, Number 2 , June 2012. ( ISC Indexed Journal )
17. SMH. Hosseini, H. Samadzadeh, J. Olamaei, M. Farsadi, " SSR Mitigation With SSSC Thanks to Fuzzy Control, " TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, ( TUBITAK ), Ankara- Turkey Code Number; ELK- 1203-21 Date of Acceptance: 11 September 2012 ( ISI & ISC Indexed Journal )
18. J. Khazaie, D. Nazarpour, M. Farsadi, M. Mokhtari, S. Badkubi, " Fault Current Limitation and Contraction of Voltage Dips Thanks to D- FACTS and FACTS Cooperation." Istanbul University Journal of Electrical and Electronics Engineering , ( IU- JEEE ) , PP. 1473 – 1481, Vol 12( 1 ) , 2012 ( Scopus Indexed Journal )
19. M. Gholahmadi, M. Farsadi, " Classifying Three Types of Partial Discharges by Different Features using Different Strategies. " International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.182- 190, Issue 11, Volume 4, Number 2 , June 2012. ( ISC Indexed Journal )
20. H. Hosseini. M. Farsadi. M. Khalilpour. N. Razmjooy. " Hybrid Energy Production system with PV Array and Wind Turbine and Pitch Angle Optimal Control By Genetic Algorithm ( GA ) ". Journal of Worlds Electrical Engineering and Technology ( J. World. Elect. Tech ) PP. 1-7, Issue 1 Volume 1 April 2012. ( ISC & Copernicus Indexed Journal )

21. M. Farsadi, A. Garashaharak, “ DVR Combination With Photovoltaic for Improving The Operation of Wind Farm .” International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.67- 72, Issue 13, Volume 4, Number 4 , December 2012. ( ISC Indexed Journal)
22. H. Farshber, M. Farsadi. “ Harmonic Elimination in Cascade Multicell Inverter using Novel SWPWM, SPWM, AND ISPWM.” International Journal of Engineering Research and Application ( IJERA ) , PP. 594- 600, Vol. 3, Issue 1, January – February 2013 ( EBSCO and INDEX COPERNICUS JOURNAL )
23. M. Farsadi, A. Vafamehr, M. Farhadi Kangarlu, “ Cascade Multilevel Converter Using Five – Level Power Cells. ” Australian Journal of Basic and Applied Sciences , Issue 4, Jan 2013 ( Indexed THOMSON REUTERS ISI and SCOPUS With SJR=0.162 Journal )
24. M. Farsadi. J. Mostafapour. E. Ogabi. “ Restoration of Sudden Voltage Sags of A Sensitive Load In A Real Network Using DVR” International Journal on Technical and Physical Problems of Engineering, ( IJTPE JOURNAL), PP.90- 94, Issue 15, Volume 5, Number 2 , June 2013. ( ISC Indexed Journal )
25. Kazem Farajzadeh, Murtaza Farsadi “ The Impact of Charging Electric Vehicles on Power Distribution Network ” International journal of scientific & Engineering Research, Volume 5, Issue 6, June- 2014 ( Copernicus Index Journal)
26. MAJID KHEZERLOO. MURTAZA FARSADI “ Optimal Capacitor Placement By Considering Substation Capacity Coast and Harmonic Frequencies Using Binary Particle SWARM Optimization ” Indian Journal of Scientific Research, Volume 4, Issue 5 , PP, 245-256 2014 ( Index Copernicus Journal )
27. Y. Khanchupani. M. Farsadi. “ Power Factor Correction System Using of Vehicle Power Source Super Capacitor And Fuel Cell. ” International Journal of Academic Research, Vol. 6, No. 5 , 2014 ( ISI indexed Journal )
28. Mostafa Barzgar Keleshani. Murtaza Farsadi. “ New Structure of Photovoltaic System Applications With Maximum Power Tracking Ability.” International Journal of Power Electronics And Drive System. 2014 ( SCOPUS Indexed Journal )
29. Aziz Hashemi Habeshi. Daryoush Nazerpour. Morteza Farsadi. “ Dynamic Modeling and control of IDVR Through an Adaptive Fuzzy Logic Control and SVPWM. ” International Journal Of Current Life Sciences . 28 october 2014
30. Jafar Mostafapour. Murtaza Farsadi . Ibrahim Oghabi “ Improved Rotor Speed Brushless DC Motor Using Fuzzy Controller. ” Pinnacle Research Journals . February 2015 ( Scopus Indexed Journal )
31. Hossein Hosseini , Morteza Farsadi , Mohsen Khalilpour and Navid Razmjoooy , “ Hybrid Energy Production System With PV Array and Wind Turbine and Pith Angle Optimal Control By Genetic Alghorithm.” Journal of World’s Electrical Engineering And Thecnology . Volume 1, Issue 1, April- 2012 ( Copernicus Index Journal )
32. Saeed Rezaeian Merjani, Vahid Telavet, Murtaza Farsadi, “ SVC Placement In Unbalanced Distribution Network To Reduce The Neutral Line Current And ohmic

- Loss Using Intelligent Optimization Algorithms.” IOSR. Journal Of Electricals And Electronics Engineering ( IOSR\_JEEE ), Volume 10, Issue 4, Ver. 1 July- Aug 2015 ( Copernicus Index Journal )
33. Murtaza Farsadi, Arash Ghasemi, “ WAMS- Based SSR Damping Controller Design For FACTS Devices and Investigating Effects Of Communication Delays.” International journal of Power Electronics And Drive System ( IJPEDS ) Vol. 6, NO. 4, December 2015 . ( Scopus Indexed Journal )
  34. Hammed Hosseinnia , Murtaza Farsadi, “ Utilization Cat Swarm Optimization Algorithm For Selected Harmonic Elimination In Current Source Inverter”. International journal of Power Electronics And Drive System ( IJPEDS ) Vol. 6, NO. 4, December 2015 . ( Scopus Indexed Journal )
  35. Jafar Mostefapour, Jafer Reshadet, Murtaza Farsadi, “ Improved Rotor Speed Brushless DC Motor Using Fuzzy Controller , ” Indonesian Journal of Electrical Engineering And Informatics ( IJEEI ), Vol. 3. NO. 2 , June 2015 ( scopus Indexed Journal )
  36. Murtaza Farsadi, Monireh Ahmadi, “ Improving Power Quality With Reducing Out Put Harmonics For Electric Vehicle Applications By Using Bacteria Foraging Algorithm .” International Journal of Electric and Hybrid Electric Vehicles, Int. j. Electric and Hybrid Vehicles. Vol. 8. No. 1. 2016 ( Scopus Indexed Journal )
  37. Amin Gholizad, Murtaza Farsadi, “ A Novel State of Charge Balancing Method using Improved Staircase Modulation of Multilevel Inverters. ” IEEE TRANSACTION ON INDUSTRIAL ELECTRONICS, Accepted May 11 2016 ( ISI Indexed Journal )
  38. Chia Lailypour, Murtaza Farsadi, “ A new Structure For Sen Transformer Using Three Winding Linear Transformer. ” INTERNATIONAL JOURNAL OF POWER ELECTRONICS AND DRIVE SYSTEM(IJPEDS ) , Vol. 7. NO. 2. June2016 ( Scopus Indexed Journal )
  39. Tohid Sattarpour, Murtaza Farsadi, “ Parking Lot Allocation With Maximum Economic Benefit in A distribution Network.” INTERNATIONAL TRANSACTION ON ELECTRICAL ENERGY SYSTEMS, Int. Trans. Electr. Syst. , 2016 ( ISI Indexed journal ) 2016 John Wiley & Sons
  40. Murtaza Farsadi, Hadi Hossein Nejad, Tohid Sattarpour, “ Considering Practical Constraint Effect In Power Station Problems For Optimizing Power Generation By Comparison NGSA- II and Nested PSO. ” ISTANBUL UNIVERSITY JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, IU-JEEE, Vol. 16. No. 2. 2016 ( Scopus Indexed journal )
  41. Amin Yazdani Nejad , Tohid Sattarpour, Morteza Farsadi, “ Simultaneously Optimal Placement And Operation Scheduling of BESS And DG In Distribution Networks In order To Minimizing Net Present Value To Power Loss , ” ISTANBUL UNIVERSITY JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, IU-JEEE, Vol. 16. No. 2. 2016 ( Scopus Indexed journal )
  42. Murtaza Farsadi, Tohid Sattarpour, Hadi Hossein Nejad, “ Loss Reduction Benefit and Voltage Profile Improvement By Considering Demand Response And Capacitor.”

43. Farzad Moheemadzadeh Shehir, Ebrahim Babaei, Murtaza Farsadi, " A new Structure For Nonisolated Boost DC- DC Converter." JOURNAL OF CIRCUIT SYSTEMS AND COMPUTERS, Vol. 26. No.1. September 2016 ( ISI Indexed journal )
44. H. Moggaddem Banayem, M. Farsadi " Identification of Flicker Sources Location on Power Network" Tabriz university Journal of Electrical Engineering, Accepted, December 2017 ( ISC Indexed Journal )
45. M.Farsadi, M. Sabri, B. Vakili, A. Ghallaj, " Protection Anti-Island Distribution System with Distributed Generation Based on The Analysis of State Transient Signals Optimization Algorithm-Based" Tabriz university Journal of Electrical Engineering, Accepted, February 2017 ( ISC Indexed Journal )
46. Kiyareh. Azzizi, Murtaza. Farsadi, Mohammad. Farhadi kengerlu, " Efficient Approach to LVRT Capability og DFIG Based Wind Turbines Under Symmetrical and Asymmetrical voltage Dips Using Dynamic voltage
47. Restorer." International Journal of Power Electronics and Drive Systems (IJPEDS), PP 945-956, Vol8, No 2, June-2017( Scopus Indexed Journal )
48. M. Farsadi, M. Sabri, " Electrical Vehicles Parking Optimal Allocation and Capacity Based On Grouping Optimal Harmonic, Losses and Voltage Profile Reduction by Using Intelligent Algorithms." International Journal of Electric and Hybrid Vehicles (IJEHV), 2017 (Scopus Indexed Journal Under Review )
49. 47- F.M. Shahir, E. Babaei, M. Farsadi, "Voltage-Lift Technique Based Non-isolated Boost DC-DC Converter: Analysis and Design"IEEE Transaction on Power Electronics,Date of publication,17 August 2017, ( ISI & Scopus Indexed Journal)
50. F. M. Shahir. E. Babaei, M. Farsadi, " Analysis and Design of Voltage-Lift Technique Based Non-isolated Boost DC-DC Converter." IET Power Electronics, 2017, ( ISI & Scopus Indexed Journal Accepted )
51. M. Farsadi, O. Zareh, S. Galvani, "Optimal Placement and Parameter Setting of SSSC In Power System In order To Increase Reliability." Journal of Electrical Systems, 2017, ( ISI & Scopus Indexed Journal Accepted )
52. M.B. Kalashani, M. Farsadi, " Symmetric and Hybrid Voltage Source Multilevel Inve For Peer Review rter Based on Switching between Transistorsand Bypass Diodes." Simulation: Transactions of the Society for Modeling and Simulation, 2017, ( ISI& Scopus Indexed Journal Under Review )
53. A.yazdaninejat, J Jannati, M. Farsadi, " A New Formulation for Coordination of Directional Overcurrent Relays in Interconnected Networks for Better Miscoordination Suppression." TRANSACTIONS ON ELECTRICAL AND ELECTRONIC MATERIALS, Vol. 18, No. 3, pp. 169-175, June 25, 2017 ( Scopus Indexed Journal )

54. Hamed Hosseinna, Murtaza Farsadi, “ Effect of Reconfiguration and capacitor placement on Power Loss reduction And Voltage ProfileImprovement.” Transactions on Electrical and Electronic Materials, Accepted ,June 2017 ( Scopus indexed Journal )
55. F.M. Shahir, E. Babaei, M. Farsadi, “ Generalized Topology of Non-Isolated Boost Converter. ” IEEE Transaction on Power Electronics, 2017 , Under Revision, ( ISI & Scopus indexed Journal )
56. Murtaza Farsadi, Kiyareh Azzizi, “ Enhancement of the Operation ofVariable Speed PMSG Wind Generation System Using Improved Trans-Z-Source Inverter.” International Journal of Power Electronics and Drive Systems ( IJPEDS ), Accepted , 2017 ( Scopus indexed Journal )
57. F.M. Shahir, E. Babaei, M. Farsadi, "New Topology for Non-isolated Boost DC-DC Converter: Analysis and Design" Journal of Electrical Engineering & Technology, Accepted January 4, 2018 ( ISI & SCOPUS Indexed Journal )
58. F.M. Shahir, E. Babaei, M. Farsadi, “ Extended Topology for Boost DC-DC Converter” IEEE Transaction on Power Electronics, Accepted 4-Apr-2018 , ( ISI & Scopus indexed Journal )
59. Monireh. Ahmedi, Murtaza Farsadi, “ Finding the optimal deployment and scheduling for electric vehicle charging and discharging stations with the help of metaheuristic algorithms” Turkish Journal of Electrical & Computer Engineering, Accepted, March 2019, ( ISI & Scopus indexed Journal )
60. Amin Gholizad, Murtaza Farsadi, “ Harmonic elimination and THD minimization of photovoltaics/fuel-cell connected cascaded multilevel inverters using synchronous optimal pulse width modulation” Turkish Journal of Electrical & Computer Engineering, Under Review July, 2018, ( ISI & Scopus indexed Journal )
61. 59- Omid Zaree, Murtaza Farsadi, Sajjad Gelvani, “A new approach for probabilistic assessment of distribution systems based on data clustering ” Turkish Journal of Electrical & Computer Engineering, Under Review July, 2018, ( ISI & Scopus indexed Journal )
62. Amin Gholizad, Murtaza Farsadi, “ First in first out technique in synchronous optimal pulse width modulation of multilevel inverters for state of charge balancing and even distribution of switching power losses” International Journal of Circuit theory and Applications,Under Review, December 2018 ( ISI & Scopus indexed Journal )
63. Amin Gholizad, Murtaza Farsadi, “ First in first out technique for MC-SPWMswitching strategies of multilevel inverters for state of charge balancing and reducing device switching frequency” International Journal of Circuit theory and Applications,Under Review, December 2019( ISI & Scopus indexed Journal )
64. Omid Zare Sesalar, Sadjad Galvani, Murtaza Farsadi, “ A New Approach for Probabilistic Assessment of Distribution Systems Based on Data Clustering” IET Renewable Power Generation, January 2019 ( ISI & Scopus indexed Journal )

65. Mohammed Akilla, Murtaza Farsadi, " Power Quality control for mixed renewable energy systems ". Frontier Energy System and Power Engineering Vol. 3, No. 1, January 2021, pp. 01-10
66. Ayman Hajtaher, Murtaza Farsadi, " HIGH GAIN DC-DC CONVERTER WITH SWITCHED CAPACITOR FOR SOLAR PV APPLICATION ". INTERNATIONAL JOURNAL OF ELECTRONICS, MECHANICAL AND MECHATRONICS ENGINEERING . 2021
67. Sahbaz latif , Murtaza Farsadi , " Comparative Study of Proportional Integration and Proportional Resonant Controllers in Micro Grid System at various Loads." JOURNAL OF ELECTRONICS, MECHANICAL AND MECHATRONICS ENGINEERING . 2021
68. Danish Ali, Murtaza Farsadi, " Power Quality Control in PV-BES-DG Based Autonomous System." JOURNAL OF ELECTRONICS, MECHANICAL AND MECHATRONICS ENGINEERING . 2021
69. Farnaz Pourebrahimi, Murtaza Farsadi, " A Boost Based Grid Connected PV Inverter Maximizing Power Yield from PV Arrays with shading using nonlinear controller." JOURNAL OF ELECTRONICS, MECHANICAL AND MECHATRONICS ENGINEERING . 2020
70. Raja Mohammad Junaid Abbas, Murtaza Farsadi, " harmonic currents in Photovoltaic systems " JOURNAL OF ELECTRONICS, MECHANICAL AND MECHATRONICS ENGINEERING 2021
71. Ameer Abdullah, Murtaza Farsadi, "Investigations of New control Methods for Hybrid AC/DC Microgrids by using PWM and Droop Control Method." international journal of electronics, mechanical and mechatronics engineering 2020
72. Fatemeh Khosravi Pouryan, Murtaza Farsadi, " Mobile robots path planning using Bee colony and Fuzzy Logic algorithms in the Dynamic Environments with Different Complexities, international journal of electronics, mechanical and mechatronics Engineering 2019
73. Rai Mohammed Omer, Murtaza Farsadi, " New Control Method for dual Voltage Rectifier", international journal of electronics, mechanical and mechatronics Engineering, 2020
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