

LIST OF JOURNAL PUBLICATIONS

Sr. No	Details of Paper	Year
1.	S. Rathore and S. N. Sharma, "Effect of switching uncertainty on a boost converter under a coloured noise influence," <i>International Journal of Dynamics and Control</i> , vol. 5, pp. 274-286, 2017.	2017
2.	P. L. Kamani and M. A. Mulla, "Middle-level SHE Pulse-Amplitude Modulation for Cascaded Multilevel Inverters," <i>IEEE Transactions on Industrial Electronics</i> , 2017.	2017
3.	A. Kherodia, V. Kheraj, and A. K. Panchal, "Effects of Hydrogen-Dilution on Opto-Structural Properties of Hot-wire CVD Grown a-Si: H/nc-Si: H Multilayer for Photovoltaics," <i>Silicon</i> , pp. 1-11, 2017. https://doi.org/10.1007/s1263	2017
4.	A. Kherodia and A. K. Panchal, "Analysis of thickness-dependent optical parameters of a-Si: H/nc-Si: H multilayer thin films," <i>Materials for Renewable and Sustainable Energy</i> , vol. 6, no. 4, pp. 23, 2017.	2017
5.	M. D. Sonje, P. Kundu, and A. Chowdhury, "A Novel Approach for Multi Class Fault Diagnosis in Induction Machine Based on Statistical Time Features and Random Forest Classifier," in <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, p. 012141.	2017
6.	M. Dixit, P. Kundu, and H. R. Jariwala, "Incorporation of distributed generation and shunt capacitor in radial distribution system for techno-economic benefits," <i>International Journal Engineering Science and Technology</i> , vol. 20, pp. 482-493, 2017.	2017
7.	M. Dixit, P. Kundu, and H. R. Jariwala, "Integration of distributed generation for assessment of distribution system reliability considering power loss, voltage stability and voltage deviation," <i>Energy Systems</i> , pp. 1-27, 2017.	2017
8.	V. Puranik and S. R. Arya, "SOGI-FLL Based Adaptive Filter for DSTATCOM Under Variable Supply Frequency," <i>Journal of The Institution of Engineers (India): Series B</i> , vol. 98, pp. 423-431, 2017.	2017
9.	S. K. Patel, S. R. Arya, and R. Maurya, "Nonlinear Adaptive Volterra Filter for Control of Distribution Static Compensator," <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , vol. 5, pp. 559-567, 2017.	2017
10.	S. R. Arya and N. S. Kumar, "Grid Connected Fuel Cell Based Distributed Power Generation System," <i>Journal of Green Engineering</i> , vol. 7, pp. 285-310, 2017.	2017
11.	B. Ananthapadmanabha, R. Maurya, S. R. Arya, and B. C. Babu, "Electric Vehicle Battery Charger with Improved Power Quality Cuk-Derived PFC Converter," <i>Journal of</i>	2017

Green Engineering, vol. 7, pp. 255-284, 2017.

12. J. Bangarraju, V. Rajagopal, S. R. Arya, and B. Subhash, "Enhancement of PQ Using Adaptive Theory based Improved Linear Tracer Sinusoidal Control Strategy for DVR," *Journal of Green Engineering*, vol. 7, pp. 189-212, 2017.
 13. P. Ray, S. R. Arya, and S. Nandkeolyar, "Electric Load Forecasts by Metaheuristic Based Back Propagation Approach," *Journal of Green Engineering*, vol. 7, pp. 61-82, 2017.
 14. S. R. Arya, N. S. Kumar, and B. Ananthapadmanabha, "Power Generation Using Fuel Cell in the Application of Sensor Power Supply," *Journal of Green Engineering*, vol. 7, pp. 159-188, 2017.
 15. S. K. Patel, S. R. Arya, R. Maurya, C. Jain, and B. Singh, "Control of distributed static compensator using extended structure-enhanced phase-locked loop-based algorithm under nonideal AC mains," *International Transactions on Electrical Energy Systems*, 2017.
 16. A. Berigai Ramaiaha, R. Maurya, and S. R. Arya, "Magnetic energy recovery switch-based power quality AC-DC converters," *International Transactions on Electrical Energy Systems*, 2017.
 17. S. M. Suhel and R. Maurya, "Modelling, design and analysis of multi-phase induction motor," *International Journal of Power and Energy Conversion*, vol. 8, pp. 186-203, 2017.
 18. S. V. Rajani, V. J. Pandya, and V. A. Shah, "Experimental validation of the ultracapacitor parameters using the method of averaging for photovoltaic applications," *Journal of Energy Storage*, vol. 5, pp. 120-126, 2016.
 19. B. G. Gawalwad and S. N. Sharma, "Coloured Noise Analysis of a Phase-Locked Loop System: Beyond Itô and Stratonovich Stochastic Calculi," *Differential Equations and Dynamical Systems*, vol. 24, pp. 231-245, 2016.
 20. B. G. Gawalwad and S. N. Sharma, "On a Non-linear Electronic Circuit Filtering," *Circuits, Systems, and Signal Processing*, vol. 35, pp. 459-480, 2016.
 21. R. H. Hirpara and S. N. Sharma, "On the Stochastic Filtering Theory of a Power System Dynamics," *Transactions of the Institute of Systems, Control and Information Engineers*, vol. 29, pp. 9-17, 2016.
 22. B. G. Gawalwad and S. N. Sharma, "Coloured Noise Analysis of a Phase-Locked Loop System: Beyond Itô and Stratonovich Stochastic Calculi," *Differential Equations and Dynamical Systems*, vol. 24, pp. 231-245, 2016.
-

23. B. G. Gawalwad and S. N. Sharma, "On a Non-linear Electronic Circuit Filtering," 2016 *Circuits, Systems, and Signal Processing*, vol. 35, pp. 459-480, 2016.
24. R. H. Hirpara and S. N. Sharma, "On the Stochastic Filtering Theory of a Power 2016 System Dynamics," *Transactions of the Institute of Systems, Control and Information Engineers*, vol. 29, pp. 9-17, 2016.
25. D. M. Mehta, P. Kundu, A. Chowdhury, V. Lakhiani, and A. Jhala, "A review of critical evaluation of natural ester vis-a-vis mineral oil insulating liquid for use in transformers: Part II," *IEEE Transactions on Dielectrics and Electrical Insulation*, vol. 23, no. 3, pp. 1705-1712, 2016.
26. D. M. Mehta, P. Kundu, A. Chowdhury, V. Lakhiani, and A. Jhala, "A review on critical 2016 evaluation of natural ester vis-a-vis mineral oil insulating liquid for use in transformers: Part 1," *IEEE Transactions on Dielectrics and Electrical Insulation*, vol. 23, pp. 873-880, 2016.
27. S. S. Bohra and A. K. Panchal, "Investigation on current collection from a silicon 2016 quantum-dot pin solar cell by varying dot size and insulating barrier layer thickness," *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems*, vol. 230, pp. 44-50, 2016.
28. S. R. Arya, B. Singh, R. Niwas, A. Chandra, and K. Al-Haddad, "Power quality 2016 enhancement using DSTATCOM in distributed power generation system," *IEEE Transactions on Industry Applications*, vol. 52, pp. 5203-5212, 2016.
29. S. K. Patel, S. R. Arya, R. Maurya, and B. Singh, "Control of Distribution Static 2016 Compensator Using Three-phase Enhanced Phase-locked Loop," *Electric Power Components and Systems*, vol. 44, pp. 1515-1529, 2016.
30. S. K. Patel, S. R. Arya, R. Maurya, and B. Singh, "Interior point algorithm for optimal 2016 control of distribution static compensator under distorted supply voltage conditions," *IET Generation, Transmission & Distribution*, vol. 10, pp. 1778-1791, 2016.
31. K. L. Mokariya, V. A. Shah, and M. M. Lokhande, "Feasibility and Penetration of 2015 Electric Vehicles in Indian Power Grid," *World Academy of Science, Engineering and Technology, International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering*, vol. 9, pp. 148-154, 2015.
32. N. S. Patil and S. N. Sharma, "On a non-linear stochastic dynamic circuit using 2015 Stratonovich differential," *Journal of the Franklin Institute*, vol. 352, pp. 2999-3013, 2015.
33. R. H. Hirpara and S. N. Sharma, "The Fokker-Planck equation for a Stochastic Single 2015

Machine Infinite Bus (SMIB) System," *Journal of Control Engineering and Applied Informatics*, vol. 17, pp. 55-63, 2015.

34. R. H. Hirpara and S. N. Sharma, "An Ornstein-Uhlenbeck Process-Driven Power System Dynamics," *IFAC-PapersOnLine*, vol. 48, pp. 409-414, 2015.

35. M. A. Mulla, C. Rajagopalan, A. Chowdhury, and N. Rao, "An experimental assessments on different control techniques of series hybrid active power filter," *International Transactions on Electrical Energy Systems*, vol. 25, pp. 3075-3095, 2015.

36. M. A. Mulla, R. Chudamani, and A. Chowdhury, "A novel control method for series hybrid active power filter working under unbalanced supply conditions," *International Journal of Electrical Power & Energy Systems*, vol. 64, pp. 328-339, 2015.

37. G. Kumar, M. B. Trivedi, and A. K. Panchal, "Innovative and precise MPP estimation using P-V curve geometry for photovoltaics," *Applied Energy*, vol. 138, pp. 640-647, 2015.

38. S. R. Arya, R. Niwas, K. K. Bhalla, B. Singh, A. Chandra, and K. Al-Haddad, "Power quality improvement in isolated distributed power generating system using DSTATCOM," *IEEE Transactions on Industry Applications*, vol. 51, pp. 4766-4774, 2015.

39. B. Singh, K. Kant, and S. R. Arya, "Notch filter-based fundamental frequency component extraction to control distribution static compensator for mitigating current-related power quality problems," *IET Power Electronics*, vol. 8, pp. 1758-1766, 2015.

40. S. R. Arya and B. Singh, "Implementation of kernel incremental metalearning algorithm in distribution static compensator," *IEEE Transactions on Power Electronics*, vol. 30, pp. 1157-1169, 2015.

41. B. Singh, S. K. Dube, and S. R. Arya, "An improved control algorithm of DSTATCOM for power quality improvement," *International Journal of Electrical Power & Energy Systems*, vol. 64, pp. 493-504, 2015.

42. R. Maurya, S. Srivastava, and P. Agarwal, "Multiphase High-Frequency Isolated DC-DC Converter for Industrial Applications," *International Journal of Emerging Electric Power Systems*, vol. 15, pp. 35-43, 2015.

43. S. N. Sharma and R. H. Hirpara, "An underwater vehicles dynamics in the presence of noise and Fokker-Planck equations," *IFAC Proceedings Volumes*, vol. 47, pp. 8805-8811, 2014.

44. S. P. Nanasaheb and N. S. Shambhu, "On the Mathematical Theory of a Time-varying

Bilinear Stochastic Differential System and its Application to Two Dynamic Circuits," システム制御情報学会論文誌, vol. 27, pp. 485-492, 2014. (2014): 485-492.

45. N. S. Patil and S. N. Sharma, "A prediction theory for a coloured noise-driven stochastic differential system," *Systems Science & Control Engineering: An Open Access Journal*, vol. 2, pp. 342-350, 2014. 2014
 46. N. S. Patil and S. N. Sharma, "A prediction theory for a coloured noise-driven stochastic differential system," *Systems Science & Control Engineering: An Open Access Journal*, vol. 2, pp. 342-350, 2014. 2014
 47. H. G. Patel and S. N. Sharma, "Third-Order Continuous-Discrete Filtering for a Nonlinear Dynamical System," *Journal of Computational and Nonlinear Dynamics*, vol. 9, p. 034502, 2014. 2014
 48. H. G. Patel and S. N. Sharma, "Filtering for a Duffing-van der Pol stochastic differential equation," *Applied Mathematics and Computation*, vol. 226, pp. 386-397, 2014. 2014
 49. R. H. Hirpara and S. N. Sharma, "On a Wind Turbine-Generator System in the presence of Wind Speed Noise and Fokker-Planck Equations," *IFAC Proceedings Volumes*, vol. 47, pp. 928-935, 2014. 2014
 50. M. A. Mulla, C. Rajagopalan, and A. Chowdhury, "Compensation of three-phase diode rectifier with capacitive filter working under unbalanced supply conditions using series hybrid active power filter," *IET Power Electronics*, vol. 7, pp. 1566-1577, 2014. 2014
 51. S. J. Patel, A. K. Panchal, and V. Kheraj, "Extraction of solar cell parameters from a single current-voltage characteristic using teaching learning based optimization algorithm," *Applied Energy*, vol. 119, pp. 384-393, 2014. 2014
 52. P. B. Darji and A. Kulkarni, "Vector definitions for control of single-phase and unbalanced three-phase systems," *IEEE Transactions on Power Delivery*, vol. 29, pp. 2136-2145, 2014. 2014
 53. C. A. Naik and P. Kundu, "Power quality disturbance classification employing S-transform and three-module artificial neural network," *International Transactions on Electrical Energy Systems*, vol. 24, pp. 1301-1322, 2014. 2014
 54. S. R. Arya, B. Singh, A. Chandra, and K. Al-Haddad, "Learning-based anti-Hebbian algorithm for control of distribution static compensator," *IEEE Transactions on Industrial Electronics*, vol. 61, pp. 6004-6012, 2014. 2014
 55. B. Singh, S. R. Arya, A. Chandra, and K. Al-Haddad, "Implementation of adaptive filter in distribution static compensator," *IEEE Transactions on Industry Applications*, vol. 50, 2014
-

pp. 3026-3036, 2014.

56. B. Singh, S. K. Dube, and S. R. Arya, "Hyperbolic tangent function-based least mean-square control algorithm for distribution static compensator," *IET Generation, Transmission & Distribution*, vol. 8, pp. 2102-2113, 2014.
57. B. Singh, S. R. Arya, and P. Verma, "An implementation of double-frequency oscillation cancellation technique in control of DSTATCOM," *International Transactions on Electrical Energy Systems*, vol. 24, pp. 796-807, 2014.
58. B. Singh, S. R. Arya, and C. Jain, "Simple peak detection control algorithm of distribution static compensator for power quality improvement," *IET Power Electronics*, vol. 7, pp. 1736-1746, 2014.
59. B. Singh and S. R. Arya, "Back-propagation control algorithm for power quality improvement using DSTATCOM," *IEEE Transactions on Industrial Electronics*, vol. 61, pp. 1204-1212, 2014.
60. B. Singh, S. R. Arya, C. Jain, and S. Goel, "Implementation of four-leg distribution static compensator," *IET Generation, Transmission & Distribution*, vol. 8, pp. 1127-1139, 2014.
61. S. R. Arya and B. Singh, "Neural network based conductance estimation control algorithm for shunt compensation," *IEEE Transactions on Industrial Informatics*, vol. 10, pp. 569-577, 2014.
62. S. R. Arya and B. Singh, "Power quality improvement under nonideal AC mains in distribution system," *Electric power systems Research*, vol. 106, pp. 86-94, 2014.
63. B. Singh and S. R. Arya, "Adaptive control of four-leg VSC based DSTATCOM in distribution system," *International Journal of Emerging Electric Power Systems*, vol. 15, pp. 93-99, 2014.
64. R. Maurya, S. P. Srivastava, and P. Agarwal, "Design and Implementation of Three-phase Resonant DC-DC Power Converter for Low-voltage High-current Applications," *Electric Power Components and Systems*, vol. 42, pp. 1249-1265, 2014.
65. K. D. Mistry and R. Roy, "Impact of demand response program in wind integrated distribution network," *Electric power systems Research*, vol. 108, pp. 269-281, 2014.
66. K. D. Mistry and R. Roy, "Enhancement of loading capacity of distribution system through distributed generator placement considering techno-economic benefits with load growth," *International Journal of Electrical Power & Energy Systems*, vol. 54, pp. 505-515, 2014.
67. V. Mahajan, P. Agarwal, and H. O. Gupta, "An artificial intelligence based controller for

multilevel harmonic filter," *International Journal of Electrical Power & Energy Systems*, vol. 58, pp. 170-180, 2014.

68. V. Mahajan, P. Agarwal, and H. Gupta, "Implementation of High-Voltage Multilevel Harmonic Filter Based on Rotated Carrier Modulation and Artificial Intelligence-Based Controllers," *Arabian Journal for Science & Engineering (Springer Science & Business Media BV)*, vol. 39, 2014. 2014
69. V. Mahajan, P. Agarwal, and H. Om Gupta, "dSPACE implementation of cascaded H-bridge inverter for harmonics minimization using artificial-intelligence," *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, vol. 33, pp. 2053-2081, 2014. 2014
70. M. A. Mulla, C. Rajagopalan, and A. Chowdhury, "Hardware implementation of series hybrid active power filter using a novel control strategy based on generalised instantaneous power theory," *IET Power Electronics*, vol. 6, pp. 592-600, 2013. 2013
71. M. Mulla, R. Chudamani, and A. Chowdhury, "Performance Analysis of Series Hybrid Active Power Filter," in *IAENG Transactions on Engineering Technologies*, ed: Springer, 2013, pp. 327-338. 2013
72. G. Kumar and A. K. Panchal, "A non-iterative technique for determination of solar cell parameters from the light generated IV characteristic," *Journal of Applied Physics*, vol. 114, p. 084904, 2013. 2013
73. A. Panchal, V. Beladiya, and V. Kheraj, "Structural and optical properties of silicon thin-films deposited by hot-wire chemical vapor deposition: The effects of silane concentrations," *Thin Solid Films*, vol. 542, pp. 139-143, 2013. 2013
74. A. K. Panchal, D. K. R. Rai, and C. S. Solanki, "Red emission from nano-silicon nitride multilayer films prepared using hot-wire chemical vapor deposition," *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems*, vol. 227, pp. 101-104, 2013. 2013
75. S. Raj, A. Kumar Sinha, and A. K. Panchal, "Solar cell parameters estimation from illuminated I-V characteristic using linear slope equations and Newton-Raphson technique," *Journal of Renewable and Sustainable Energy*, vol. 5, p. 033105, 2013. 2013
76. S. Bohra and A. Panchal, "Optimization of absorber layers' thickness in a Si micromorph solar cell for current matching with intermediate ZnO reflector," *Journal of Renewable and Sustainable Energy*, vol. 5, p. 023121, 2013. 2013
77. S. R. Deore, P. B. Darji, and A. M. Kulkarni, "Switching function analysis of half-and full-bridge modular multi-level converters for HVDC applications," *IET Generation*, 2013. 2013

Transmission & Distribution, vol. 7, pp. 1344-1356, 2013.

78. C. A. Naik and P. Kundu, "Power quality index based on discrete wavelet transform," 2013 *International Journal of Electrical Power & Energy Systems*, vol. 53, pp. 994-1002, 2013.
79. S. R. Arya and B. Singh, "Implementation of distribution static compensator for power quality enhancement using learning vector quantisation," *IET Generation, Transmission & Distribution*, vol. 7, pp. 1244-1252, 2013.
80. B. Singh and S. R. Arya, "Adaptive theory-based improved linear sinusoidal tracer control algorithm for DSTATCOM," *IEEE Transactions on Power Electronics*, vol. 28, pp. 3768-3778, 2013.
81. B. Singh and S. R. Arya, "Implementation of single-phase enhanced phase-locked loop-based control algorithm for three-phase DSTATCOM," *IEEE Transactions on Power Delivery*, vol. 28, pp. 1516-1524, 2013.
82. S. R. Arya and B. Singh, "Performance of DSTATCOM using leaky LMS control algorithm," *IEEE Journal of Emerging and Selected Topics in Power Electronics*, vol. 1, pp. 104-113, 2013.
83. B. Singh and S. R. Arya, "Composite observer-based control algorithm for distribution static compensator in four-wire supply system," *IET Power Electronics*, vol. 6, pp. 251-260, 2013.
84. R. Maurya, S. Srivastava, and P. Agarwal, "Symmetrical and asymmetrical controlled three-phase high frequency isolated DC-DC converter," *International Journal of Electrical Power & Energy Systems*, vol. 52, pp. 132-142, 2013.
85. V. A. Shah, P. Kundu, and R. Maheshwari, "Improved method for characterization of ultracapacitor by constant current charging," *International Journal of modeling and optimization*, vol. 2, p. 290, 2012.
86. V. A. Shah, D. Mistry, P. Kundu, and R. Maheshwari, "Single interrupt control and regenerative braking of PMBLDC motor for electric vehicles," *International Journal of Vehicle Structures & Systems*, vol. 4, 2012.
87. A. Mahyavanshi, M. Mulla, and R. Chudamani, "Reactive power compensation by controlling the DSTATCOM," *International Journal of Emerging Technology and Advanced Engineering*, vol. 2, pp. 212-218, 2012.
88. P. B. Darji and A. M. Kulkarni, "Dynamic performance of a modular multi-level converter based HVDC terminal under unbalanced AC grid conditions," 2012.
89. P. Kundu, N. Kishore, and A. Sinha, "Identification of two simultaneous partial

discharge sources in an oil-pressboard insulation system using acoustic emission techniques," *Applied Acoustics*, vol. 73, pp. 395-401, 2012.

90. B. Singh and S. R. Arya, "Design and control of a DSTATCOM for power quality improvement using cross correlation function approach," *International Journal of Engineering, Science and Technology*, vol. 4, pp. 74-86, 2012.
 91. B. Singh, G. Bhuvaneswari, and S. R. Arya, "Review on Power Quality Solution Technology," *Asian Power Electronics Journal*, vol. 6, pp. 19-27, 2012.
 92. V. Shah, P. Pritesh, and P. Sagar, "Measurement of real time drive cycle for Indian roads and estimation of component sizing for HEV using LABVIEW," *World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering*, vol. 5, pp. 1112-1120, 2011.
 93. C. Majithia, A. Desai, and A. Panchal, "Harmonic analysis of some light sources used for domestic lighting," *Lighting Research & Technology*, vol. 43, pp. 371-380, 2011.
 94. A. Panchal, D. Rai, M. Mathew, and C. Solanki, "a-Si/SiNx multilayered light absorber for solar cell," *Journal of Nanoparticle Research*, vol. 13, pp. 2469-2473, 2011.
 95. A. Panchal, D. Rai, and C. Solanki, "Annealing Effects on Capacitance–Voltage Characteristics of a-Si/SiNx Multilayer Prepared Using Hot-Wire Chemical Vapour Deposition," *Journal of nanoscience and nanotechnology*, vol. 11, pp. 3414-3417, 2011.
 96. R. Maurya, S. Srivastava, and P. Agarwal, "Design & implementation of transformer-less multi output DC power supply," *International Review of Electrical Engineering*, vol. 6, 2011.
 97. H. P. Desai, R. Maheshwari, S. N. Sharma, and V. Shah, "Maximum power extraction from photo-voltaic power generator with adaptive MPP tracker," *Applied Solar Energy*, vol. 46, pp. 251-257, 2010.
 98. S. N. Sharma, "A connection between multi-linear and Volterra systems," *Applied Mathematics and Computation*, vol. 216, pp. 1918-1922, 2010.
 99. S. N. Sharma, "A Kushner approach for small random perturbations of the Duffing-van der Pol system," *Automatica*, vol. 45, pp. 1097-1099, 2009.
 100. S. N. Sharma, "Non-linear filtering for a dust-perturbed two-body model," *Nonlinear Dynamics*, vol. 55, pp. 221-238, 2009.
 101. A. Panchal and C. Solanki, "Fabrication of silicon quantum dots in SiNx multilayer using hot-wire CVD," *Journal of Crystal Growth*, vol. 311, pp. 2659-2663, 2009.
 102. A. Panchal and C. Solanki, "Post deposition annealing temperature effect on silicon
-

quantum dots embedded in silicon nitride dielectric multilayer prepared by hot-wire chemical vapor deposition," *Thin Solid Films*, vol. 517, pp. 3488-3491, 2009.

103 P. Kundu, N. Kishore, and A. Sinha, "A non-iterative partial discharge source location method for transformers employing acoustic emission techniques," *Applied Acoustics*, vol. 70, pp. 1378-1383, 2009.

104 S. N. Sharma, "A Kolmogorov-Fokker-Planck approach for a stochastic Duffing-van der Pol system," *Differential Equations and Dynamical Systems*, vol. 16, pp. 351-377, 2008.

105 S. N. Sharma and H. Parthasarathy, "Volterra series arising from the discrete Schrödinger wave equation in $L^2[a, b]$ space," *Applied Mathematics and Computation*, vol. 196, pp. 563-569, 2008.

106 S. N. Sharma and H. Parthasarathy, "A two-body continuous-discrete filter," *Nonlinear Dynamics*, vol. 51, pp. 155-170, 2008.

107 P. Kundu, "Classification of acoustic emission based partial discharge in oil pressboard insulation system using wavelet analysis," 2008.

108 S. N. Sharma and H. Parthasarathy, "Dynamics of a stochastically perturbed two-body problem," in *Proceedings of the Royal Society of London A: Mathematical, Physical and Engineering Sciences*, 2007, pp. 979-1003.

109 U. Kumar, V. Hegde, and P. B. Darji, "Investigations on voltages and currents in the lightning protection system of the Indian satellite launch pad-I during a stroke interception," *IET science, measurement & technology*, vol. 1, pp. 225-231, 2007.

110 S. Sharma, H. Parthasarathy, and J. Gupta, "Third-order approximate Kushner filter for a non-linear dynamical system," *International Journal of Control*, vol. 79, pp. 1096-1106, 2006.

111 T. Mukundan and P. Kundu, "Method of reducing the effect of supply unbalance on induction motors," *IEEE Power Engineering Review*, vol. 20, pp. 70-71, 2000.
