

Dr. T. Shanmuganantham

Associate Professor,
Department of Electronics Engineering,
Pondicherry University,
Puducherry – 605014.

List of Publications:

S.No	Title	Name of the Authors as per the order in Paper	Journal Name	Volume, Issue & Page Nos.	Year
1	Compact ACS-Fed Monopole Antenna with CRR Defect for Triple Band Applications	Ansal K A, T. Shanmuganantham	AEU: International Journal of Electronics and Communications, Elsevier (Indexed by SCI)	127(12), 2120-2127	2020
2	Design of CPW-Fed Inverted Six Shaped Antenna for IoT Applications	S. Ashok Kumar, T. Shanmuganantham	Transaction on Electricals and Electronic Materials, Springer (Indexed by Web of Science)	21(5), 121-132	2020
3	Autonomous Tour Guide Robot using RF Module	Vishnu Prasad, T. Shanmuganantham	Journal of Electrical and Electronics Engineering (Indexed by Scopus)	4(1), 202-209.	2020
4	A Band Pass Coupled Line Filter with DGS for Ultra-Wide Band Application	Ansal K. Divya Susan Joseb, Anju S Kumarb ,T.Shanmuganantham	Journal of Computer Science, (Elsevier- Indexed by Scopus)	171(3), 561-567	2020
5	Design and Analysis of Reconfigurable DMTL Phase Shifter for High Speed	Srihari, T. Shanmuganantham	International Journal of Engineering and Advanced Technology (Indexed by Scopus)	9(2), 333-339	2020

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	Applications by Mechanical Tuning				
6	Robot Assisted Routing and Navigation System for Visually Impaired People	Vishnu Prasad, T, Shanmuganantham	International Journal of Engineering and Advanced Technology (Indexed by Scopus)	9(3), 4210-4214	2020
7	Design and Analysis of Metamaterial Loaded Microstrip Slotted Patch Antenna for Wireless Applications	Sajith. k, T. Shanmuganantham, D. Sindhanaiselvi	Journal: Lecture Notes in Electrical Engineering	656(6), 295-308	2020
8	A Reduced Planar Omnidirectional MIMO Antenna for Pattern Phase Variety	Manaswami P, S. Ashok Kumar, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6),401-410	2020
9	Resized MIMO Antenna for 5G Mobile Antenna Applications	Sarvani V, S. Ashok Kumar, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6), 393-400	2020
10	Design of CPW-Fed Slot Antenna for 5G Mobile Applications	B. Soumya, S. Ashok Kumar, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6), 393-400	2020
11	Energy Harvesting of Traditional Cantilever based MEMS Piezoelectric Energy Harvester	A. Nallathambi, T. Shanmuganantham, D. Sindhanaiselvi	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6), 545-556	2020

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12	Design of Dual Band Compact Planar MIMO Antennawith Pattern Diversity Characteristics	Vineesha Alladi, S. Ashok Kumar, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6), 537-544	2020
13	Analysis of Different Substrate Material on Wearable Antenna for ISM Band Application	S. Bhavani, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6), 753-762	2020
14	Implementation of Building Stability Analyzer with Earth Quake detection using Simple MEMS Pressure Sensor	D. Sindhanaiselvi, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6), 367-378	2020
15	Design and Analysis of Metamaterial Loaded Microstrip Slotted Patch Antenna for Wireless Applications	Sajith K, T. Shanmuganantham, D. Sindhanaiselvi	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6), 295-308	2020
16	CB-CPW Fed SRR Loaded Miniaturized U-Slot Planar Antenna for ECG Monitoring	Sajith K, T. Shanmuganantham, D. Sindhanaiselvi	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656 (6), 11-20	2020
17	Reconfigurable RF MEMS switch with improved Switching Speeds using Push Pull Configuration	Srihai, T. Shanmuganantham	Helix Scientific Journal (Indexed by Web of Science)	10(3), 42-46	2020

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18	Design and Simulation of 5-Bit DMTL Phase Shifter with Improved RF Switch Incorporation of Stress Regions	G Srihari, T. Shanmuganantham	Helix Journal (Indexed by Web of Science)	10(4), 66-75	2020
19	Design of Slot Antenna in Mediacl Wearable Applications	Tharalitha Reddy, S. Ashok Kumar, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering, Springer, (Indexed by Scopus).	656(6), 411-419	2020
20	Implementation of Building Stability Analyzer with Earth Quake detection using Simple MEMS Pressure Sensor	D. Sindhanaiselvi, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Indexed by Scopus)	656(6), 367-378	2020
21	Millimeter-wave Frequency Power Divider for Short Range Applications at 60 GHz	Kammara Bharath Kumar, T. Shanmuganantham	International Journal of Microwave and Optical Technology (Indexed by SCI)	14(4), 555-560	2019
22	Broadband I-Shaped SIW slot Antenna for V-Band Applications	M. Nanda Kumar, T. Shanmuganantham	Journal of Applied Computational Electromagnetic Society, ACES, (Indexed by SCI)	34(11), 1719-1724	2019
23	Design of Low Noise Amplifier for IEEE 802.16e	Makesh Iyer, T. Shanmuganantham	Journal: Lecture Notes in Network and Systems, (Springer-Indexed by Scopus).	521(3), 823-838	2019

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24	SRR Loaded CPW-Fed Wideband Temple's Kalasam Shaped Antenna	C. Elavarai, T. Shanmuganantham	International Journal of Microwave and Optical Technology (Indexed by SCI)	14(4), 575-580	2019
25	Design of Low Noise Amplifier for IEEE 802.16e	Makeesh Iyer, T. Shanmuganantham	Journal: Lecture Notes in Network and Systems, Springer (Indexed by Scopus)	521, 823-838	2019
26	Substrate Integrated Waveguide based Slot Antenna for 60GHz Wireless Applications	M. Nanda Kumar, T. Shanmuganantham	Microwave and Optical Technology Letters(MOTL), (John Wiley - Indexed by SCI)	61(9), 2011-2017	2019
27	CPW fed Single, Dual and Tripple Channel Slotted and Top Loaded DGS Antennas for UWB Range	J. Gandhimohan, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Springer-Indexed by Scopus)	[In Press]	2019
28	Broadband Substrate Integrated Waveguide Venus shaped slot Antenna for V-Band Applications	M. Nanda Kumar, T. Shanmuganantham	Microwave and Optical Technology Letters(MOTL), John Wiley, (Indexed by SCI)	61(6), 2079-2086	2019
29	Back to Back Pi-Shaped slot with SIW Cavity-backed Antenna for 60 GHz Applications	Nanda Kumar and T. Shanmugannatham	International Journal of Microwave and Optical Technology (Indexed by SCI)	14(6), 402-408	2019

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30	Broad-Band H-Spaced Head Shaped Slot with SIW Based Antenna for 60GHz Wireless Communication Applications	Nanda Kumar M, T. Shanmuganantham	Microwave and Optical Technology Letters (MOTL), (John Wiley - Indexed by SCI)	61(6),1911-1916	2019
31	Scalling of Performance Indicator in a DGS Based Microstrip Slotted Rectangular Patch Antenna	Gandhimohan J, T. Shanmuganantham	International Journal Computational and Theoritical Nanoscience, (Indexed by Scopus)	16(6), 1335-1338	2019
32	Design of CB-CPW fed SRR loaded loop antenna for on-body ECG monitoring applications	Sajith K, J. Gandhimohan, T. Shanmuganantham	International Journal Computational and Theoritical Nanoscience, (Indexed by Scopus)	16(4),1344-1349	2019
33	Triple Channel CPW-fed Circular and Rectangular Patch Combined Slotted Antenna with DGS for On-body Applications in UWB Range	Gandhimohan J, T. Shanmuganantham	International Journal Computational and Theoritical Nanoscience, (Indexed by Scopus)	16(5), 1339-1343	2019
34	CB-ACPW fed SRR loaded Electrically Small Antenna for ECG Monitoring	Sajith K, J. Gandhimohan, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering, (Springer-Indexed by Scopus)	[In Press]	2019

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35	MEMS Sensor Based Cantilever for Intracranial Pressure Measurement	Kalaiyazhagan N and T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Springer)	521,127-136	2018
36	Design and Performance of Textile Antenna for Wearable Applications	S. Ashok Kumar and T. Shanmuganantham	Transactions on Electrical and Electronic Materials, Springer (Indexed by SCI)	19(5), 352-355	2018
37	Dual band CB-CPW fed on Body Antenna for Wearable WBAN Applications	Sajith K, J Gandhimohan, T. Shanmuganantham	International Journal of Engineering and Technology (Indexed by Scopus)	7(2),1014-1017	2018
38	Analysis of 1:2 port SIW Power Divider for 60GHz Short range RADAR and WLAN Applications	K. Bharath Kumar, T. Shanmuganantham	International Journal of Engineering and Technology (Indexed by Scopus)	7(2), 802-805	2018
39	Performance analysis of embossed diaphragm based MEMS piezo resistive pressure sensor for flood level measurement	D. Sindhdnaiselvi and T. Shanmuganantham	Journal of Materials today (Elsevier)	5(10), 126-132	2018
40	Microstrip Fed SIW Venus shaped slot Antenna for Millimeter Wireless Communication Applications	Nanda Kumar M, T. Shanmuganantham	International Journal of Engineering and Technology (Indexed by Scopus)	7(2), 878-881	2018

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41	Design of LNA for WAVE Application with Different Substrate	Makeesh Iyer, T. Shanmuganantham	Transactions on Electrical and Electronic Materials, (Springer)	19(5), 365-374	2018
42	Design of Low Noise Amplifiers for 10 GHz Application	Makeesh Iyer, T. Shanmuganantham	WASET- International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering (Indexed by ISI)	12(10), 711-717	2018
43	Quad Bio-MEMS Disease Detector (Indexed by Scopus).	Beulah Sujana K and T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Springer)	521,137-144	2018
44	Division shaped SIW slot antenna for 60/79 GHz Applications	Nanda Kumar and T. Shanmuganantham	Journal of Electrical and Computer Engineering (Elsevier)	71, 667-675	2018
45	CPW fed dual band Antenna for IoT Applications	Vyshnavi Das, T. Shanmuganantham	International Journal of Engineering and Technology (Indexed by Scopus)	7(2), 822-825	2018
46	MEMS Cantilever Sensor in Food Processing Industry	Beulah Sujana, T. Shanmuganantham	International Journal Scientific Research in Engineering and Technology	5(3), 76-79	2018
47	RF MEMS in-line series Switch for S Band Applications	Aamir Saud Khan, T. Shanmuganantham	International Journal Scientific Research in Engineering and Technology	5(3), 230-235	2018

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48	Investigation Study of three in one Multiple Agricultural MEMS Sensor using Microcantilever	B. Priyadarisshini, D. Sindhanaiselvi, T. Shanmuganantham	International Journal Scientific Research in Engineering and Technology	5(3), 207-211	2018
49	Microcantilever based Integrated Temperature Sensor, Humidity Sensor, and Mixture Sensor-Comparative Analysis	B. Priyadarisshini, D. Sindhanaiselvi, T. Shanmuganantham	International Journal Scientific Research in Engineering and Technology	5(3), 218-223	2018
50	Design of Double Sided Cantilever Automation for Agriculture Field	N. Kalaiyazhagan, T. Shanmuganantham, D. Sindhanaiselvi	International Journal Scientific Research in Engineering and Technology	5(3), 101-108	2018
51	SRR Loaded CB-CPW Fed Antenna for Wearable WBAN and Interfacing Applications	Sajith K, Gandhimohan J, T. Shanmuganantham	International Journal Scientific Research in Engineering and Technology	5(3), 80-85	2018
52	CPW Fed Multiple Hexagonal Shaped Antenna for IOT Application	Vyshnavi Das, T. Shanmuganantham	International Journal Scientific Research in Engineering and Technology	5(3), 189-193	2018
53	Design of Low Noise Amplifier for Weather RADAR	Makesh Iyer, T. Shanmuganantham	International Journal Advanced Research Trends in Engineering and Technology	4(22), 48-53	2018
54	Circular Patch FSS Antenna with Different Resonating	Daisy Sharma, T. Shanmuganantham	International Journal Scientific Research in	5(3), 212-217	2018

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	Frequencies for Satellite Application		Engineering and Technology		
55	Multiband SRR Loaded Koch Star Fractal Antenna	C. Elavarasi, T. Shanmuganantham	Alexandria Engineering Journal, Elsevier (Indexed by SCI)	57(3), 1549-1555	2018
56	MEMS Based Integrated Temperature and Humidity Sensor for Agriculture Monitoring	B. Priyadarisshini, D. Sindhanaiselvi, T. Shanmuganantham	International Journal of Engineering and Technology (Indexed by Scopus)	7(2), 934-936	2018
57	Ladder Shaped RF MEMS Switch for Wireless Application	Aamir Saud Khan, T. Shanmuganantham	International Journal of Engineering and Technology (Indexed by Scopus)	7(2), 998-1001	2018
58	Inductive Source Degenrative LNA for RADAR Altimeters	Makesh Iyer, T. Shanmuganantham	International Journal of Engineering and Technology (Indexed by Scopus)	7(2),1010-1013	2018
59	Design of Low Noise Amplifier for X-Band Application	Makesh Iyer, T. Shanmuganantham	International Journal Scentific Research in Engineering and Technology	5(3), 175-182	2018
60	An Elliptical Ring FSS Antenna Exited with Microstrip Feed for Satellite Application	Daisy Sharma, T. Shanmuganantham	International Journal Scentific Research in Engineering and Technology	5(3), 224-229	2018

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61	SIW based slot antenna fed by microstrip for 60/79GHz Applications	Nanda Kumar M, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering,(Springer)	521,741-748	2018
62	Design and Implementation of Indoor System Using Inertial Sensor	D. Sindhanaiselvi, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Springer- (Indexed by Scopus))	521, 465-474	2018
63	Miniaturized Wideband/Broadband Microstrip Slotted Rectangular Patch Antenna for Multiple Applications	Deepanshu Kaushal, T. Shanmuganantham	International Journal of Microwave and Optical Technology (Indexed by SCI)	13(4), 260-264,	2018
64	Design and Performance of Textile Antenna for Wearable Applications	S. Ashok Kumar and T. Shanmuganantham	Transactions on Electrical and Electronic Materials (Springer-Indexed by SCI)	3(2), 01-04	2018
65	DGS Based Coaxially Fed Microstrip Slotted Rectangular Patch Antenna with Improved Gain and Bandwidth	Deepanshu Kaushal, T. Shanmuganantham	International Journal of Advances in Microwave Technology,	3(2), 160-164	2018
66	Design and Measurement of Novel Shaped Microstrip Antenna with DGS for Radar Applications	R. Kiruthika and T. Shanmuganantham	International Journal of Wireless and Microwave Technologies (Indexed by SCI)	3(2), 33-41	2018

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67	Design and Analysis of RF MEMS Cantilever Switches for Parameter Enhancement	Aamir Saud Khan and T. Shanmuganantham	Transactions on Electrical and Electronic Materials (Springer-Indexed by SCI)	5(2), 179-187	2018
68	Microstrip Slotted Caterpillar Patch Antenna for S, Ku and K-Band Applications	Deepanshu Kaushal, T. Shanmuganantham	Journal of Materials today (Elsevier-Indexed by SCI)	5, 1738-1744	2018
69	Improved Performance Characteristics using Double Layer Stacked Microstrip Loop Shaped Patch Structures for X-Band Operation	Deepanshu Kaushal, T. Shanmuganantham	International Journal of Wireless and Microwave Technologies (Indexed by SCI)	8(1), 14-24	2018
70	Gain Enhancement in a Microstrip Rectangular Patch Antenna Using Alphabetical Slots	Deepanshu Kaushal, T. Shanmuganantham	European Journal of Advances in Engineering and Technology (Indexed by Scopus)	5(4), 250-254	2018
71	A Review of Radio Frequency MEMS Phase Shifter	G. Srihari and T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Springer-Indexed by Scopus)	471, 627-637	2018
72	Design and Analysis of MEMS based Piezoresistive Pressure sensor for Sensitivity Enhancement	36. A.Nallathambi, T. Shanmuganantham, and D.Sindhanaivelvi	Journal of Materials today (Elsevier-Indexed by SCI)	5, 1897-1903	2018

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73	A Novel Microstrip Flower Patch Antenna Design for Multiband Operation	Deepanshu Kaushal, T. Shanmuganantham	Journal of Materials today (Elsevier-Indexed by SCI)	5, 1681-1688	2018
74	Comparison of CPW Fed Microstrip Patch Antenna with Varied Groung Structures for Fixed Satellite Applications	Deepanshu Kaushal, T. Shanmuganantham	WASET- International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering (Indexed by Scopus)	11(2), 219-224	2018
75	Multiband SRR Loaded Laef Shaped Kotch Fractal with modified CPW-fed Antenna	C. Elavarasi, T. Shanmuganantham	International Journal of Electronics (Taylor & Francis-Indexed by SCI)	06(2), 01-04	2018
76	Design of Single band Microstrip Antenna Using Frequency Selective Surface	Daisy Sharma and T. Shanmuganantham	Journal of Communications in Computer and Information Science (Indexed by Scopus)	51,557-563	2018
77	A Novel Microstrip Patch Antenna with Single Elliptical CSRR for Multiband Applications	Priyanka. V and T. Shanmuganantham	Journal of Communications in Computer and Information Science (Indexed by Scopus)	51(3), 548-556	2018
78	Design of Spider Shaped Microstrip Patch Antenna for IoT Applications	Vyshnavi Das and T. Shanmuganantham	Journal of Communications in Computer and Information Science (Springer-Indexed by Scopus)	51(3), 528-537	2018

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79	Design of Microstrip Polygon Shaped Patch Antenna for IoT Applications	Vyshnavi Das, T. Shanmuganantham	Journal of Communications in Computer and Information Science (Springer-Indexed by Scopus)	51(3), 538-547	2018
80	Y-Shaped Cantilever Beam RF MEMS Switch for Lower the Actuation	Aamir Saud Khan and T. Shanmuganantham	Journal of Communications in Computer and Information Science (Indexed by Scopus)	839, 509-517	2018
81	Optimum LNA for WAVE Application (Indexed by Scopus)	Makesh Iyer, T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Springer)	521, 627-640	2018
82	CPS Fed Dual Channel Antenna for UWB Range with Symmetrical Cresnet Radiation	J. Gandhimohan, T. Shanmuganantham	International Journal of Microwave and Optical Technology (Indexed by SCI)	13(6), 501-507	2018
83	Design and Testing of Novel Shaped Quad Band Antenna for S, C and X band Applications	R. Kiruthika, T. Shanmuganantham	International Journal of Pure and Applied Mathematics (Indexed by Scopus)	119(14), 229-237	2018
84	Analysis of RF MEMS Series Switch with Serpentine Spring Shaped Cantilever Beam for Wireless Applications	R. Raman, T. Shanmuganantham, D.Sindhanaiselvi	Journal of Materials today (Elsevier-Indexed by SCI)	5, 1890-1896	2018

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85	Parametric Enhancement of a Novel Microstrip Patch Antenna Using Circular SRR Loaded Fractal Geometry	Deepanshu Kaushal, T. Shanmuganantham	Alexandria Engineering Journal (Elsevier-Indexed by SCI)	57 (2), 547-562	2018
86	Investigation of SIW Directional Coupler for 60GHz mm-Wave Applications	K. Bharath Kumar, T. Shanmuganantham	International Journal of Engineering and Technology (Indexed by Scopus)	7, 01-05	2018
87	Low Noise Amplifier Design for Airport Surveillance Radar Receiver System	Makesh Iyer, T. Shanmuganantham	International Journal Advanced Research Trends in Engineering and Technology	4(22), 42-47	2017
88	SRR Loaded Iterated Pythagoras Fractal Antenna for Multiple Functional Resonance Frequencies	C. Elavarasi, T. Shanmuganantham	International Journal of Microwave and Optical Technology (Indexed by SCI)	12(3), 188-197	2017
89	Slotted Microstrip Rectangular Patch Antenna Design for Multiband Operation	T. Shanmuganantham, Deepanshu Kaushal	International Journal of Electronics and Communication Engineering	6(11), 1149-1152	2017
90	Slotted Circular Patch Structures for C and X Band Resonance	T. Shanmuganantham, Deepanshu Kaushal	International Journal of Electronics and Communication Engineering	6(11), 1145-1148	2017
91	Parametric Enhancement in a Modified Miniaturized	T. Shanmuganantham, Deepanshu Kaushal	International Journal of Electronics and	6(11), 1141-1144	2017

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	Rectangular Patch Antenna for Dual Band Operation		Communication Engineering		
92	Optimized Microstrip Slotted Patch Structure for Ku and Ka Band Operation	T. Shanmuganantham, Deepanshu Kaushal	International Journal of Electronics and Communication Engineering	6(11), 1137-1140	2017
93	Novel Slotting of a Microstrip Rectangular Patch Antenna for Dual Band Operation	T. Shanmuganantham, Deepanshu Kaushal	International Journal of Electronics and Communication Engineering	6(11), 1133-1136	2017
94	Wideband Sustrate Integrated Waveguide Filter for 60GHz Applications	K Bharath Kumar, T. Shanmuganantham	International Journal Advanced Research Trends in Engineering and Technology	4(22), 72-75	2017
95	SRR Loaded CB-CPW fed OPAMP Shaped Antenna for On body Interfacing Applications	Sajith K, T. Shanmuganantham, J. Gandhimohan	International Journal Advanced Research Trends in Engineering and Technology	4(22), 66-71	2017
96	SRR Loaded Asymmterical CPW Fed F Shaped Antenna for On body Telemerty Applications	Sajith K, T. Shanmuganantham, J. Gandhimohan	International Journal Advanced Research Trends in Engineering and Technology	4(22), 54-59	2017
97	Quadband CPW Fed DGS Antenna with Slot and Top Loaded	J. Gandhimohan, T. Shanmuganantham	International Journal Advanced Research Trends in Engineering and Technology	4(22), 54-59	2017

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	Radiators in UWB Range				
98	Investigation on Piezoresistive Micro Cantilever Design for Blood Glucose Sensing	Marie Joan Syndhya P,D. Sindhanaiselvi, T. Shanmuganantham	International Journal of Control Theory and Application (Indexed by Scopus)	10(37), 221-231	2017
99	Design of a Compact and Novel Microstrip Patch Antenna for Multiband Satellite Applications	Deepanshu Kaushal, T. Shanmuganantham	Journal of Materials today (Elsevier-Indexed by SCI)	5(2), 2175-2182	2017
100	Neptune shaped slot antenna with SIW cavity for 60 GHz Applications	Nanda Kumar M and T. Shanmuganantham	International Journal of Control Theory and Application (Indexed by Scopus)	10(37), 13-21	2017
101	Double Boss Sculptured Diaphragm Employed Piezoresistive Mems Pressure Sensor With Silicon-On-Insulator (SOI)	D. Sindhanaiselvi, T. Shanmuganantham	Journal of Engineering Science and Technology (Indexed by Scopus)	12(7), 1740-1754	2017
102	Design Of Dual Band CPW Fed Slot Antenna For C Band Applications	M. Arun Raj, S. Ashok Kumar and T. Shanmuganantham	International Journal Control Theory and Applications (Indexed by Scopus)	10(37), 83-88	2017
103	A Hybrid Coupler with CPW- SIW Transition for	K. Bharath Kumar, T. Shanmuganantham	International Journal of Control Theory and	10(37), 35-43	2017

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	RADAR and 5G Applications		Application (Indexed by Scopus)		
104	A Miniaturized Rectangular Slotted Nameplate Antenna Design for Satellite and Radio Determination Applications	T. Shanmuganantham, Deepanshu Kaushal	ETRI Journal (John Wiley-Indexed by SCI)	39(6), 813-819	2017
105	Design of Microstirp Transition to Substrate Integrated Waveguide fed Slot Antenna for 60GHz Applications	Nanda Kumar M and T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Springer-Indexed by Scopus)	434, 547-554	2017
106	Design of Substrate Integrated Waveguide back to back π -shaped Slot Antenna for 60GHz Applications	Nanda Kumar M and T. Shanmuganantham	Journal: Lecture Notes in Electrical Engineering (Springer-Indexed by Scopus)	468, 211-220	2017
107	Substrate Integrated Waveguide based Crown shaped slot antenna for 60 GHz Applications	Nanda Kumar M and T. Shanmuganantham	International Journal of Control Theory & Applications (Indexed by Scopus)	10(37), 383-393	2017
108	A Slotted Rectangular Microstrip Patch Antenna for Multiple Wireless Applications	Rupak Kumar Gupta, T. Shanmuganantham and R. Kiruthika	International Journal of Control Theory and Application (Indexed by Scopus)	10(37), 297-309	2017

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109	SRR loaded Tapioca Leaf-shaped Patch with fractal ground for Multiband applications	C. Elavarasi, T. Shanmuganantham	International Journal of Control Theory and Application (Indexed by Scopus)	10(37), 199-207	2017
110	Frequency Reconfiguration of Micro strip Patch Antenna with Serpentine Spring Shaped RF MEMS Switch	R. Raman, T. Shanmuganantham	International Journal of Advances in Microwave Technology,	2(1), 89-92	2017
111	Analysis of Complementary Beam Structured RF MEMS Switch for Wireless Applications	R. Raman, T. Shanmuganantham	ICTACT Journal on Microelectronics	2(4), 329-332	2017
112	Design and Analysis of RF MEMS Switch with Unifrom Folded Spring Structure for Wireless Applications	R. Raman, T. Shanmuganantham and D. Sindhanaiselvi	International Journal Control Theory and Applications (Indexed by Scopus)	10(37), 273-280	2017
113	A Microstrip Fed Slot Antenna with DGS for Various Sub-Band Applications	R. Kiruthika and T. Shanmuganantham	International Journal of Control Theory and Application (Indexed by Scopus)	10(37), 65-75	2017
114	Design and Analysis of Rectangular type Pizoresistive	Marie Joan Syndhya P,D. Sindhanaiselvi, T. Shanmuganantham	International Journal of Control Theory and Application (Indexed by Scopus)	10(37), 209-219	2017

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	Microcantilever for Antigen Detection				
115	Four Dielectric Substrate Analysis for Millimeter -wave applications	K. Bharath Kumar, T. Shanmuganantham	Journal of Materials today (Elsevier-Indexed by SCI)	5(4), 10771-10778	2017
116	A Wearable Type Embroidered Logo Antenna at ISM Band for Military Applications	S. Ashok Kumar and T. Shanmuganantham	Microwave and Optical Technology Letters (John Wiley-Indexed by SCI)	59(9), 2159-2163	2017
117	SRR loaded CPW-Fed Multiple Band Rose Flower-shaped fractal Antenna	C. Elavarasi, T. Shanmuganantham	Microwave and Optical Technology Letters (John Wiley-Indexed by SCI)	59(7), 1720-1724	2017
118	Design and Measurement of Novel-Shaped Dual Band Microstrip Patch Antenna for Radar Applications	R. Kiruthika and T. Shanmuganantham	International Journal of Advances in Microwave Technology,	2(3), 126-130	2017
119	A Vinayak Slotted Rectangular Microstrip Patch Antenna Design for C-Band Applications	Deepanshu Kaushal, T. Shanmuganantham	Microwave and Optical Technology Letters (John Wiley-Indexed by SCI)	59(8), 1833-1837	2017
120	Design of Clover Slot Antenna for Biomedical Applications	S. Ashok Kumar and T. Shanmuganantham	Alexandria Engineering Journal (Elsevier-Indexed by SCI)	56(3), 313-317	2017

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121	SRR Loaded Periwinkle Flower Shaped Fractal Antenna for Multiband Applications	C. Elavarasi, T. Shanmuganantham	Microwave and Optical Technology Letters (John Wiley-Indexed by SCI)	59(10), 2518-2525	2017
122	A Canadian Leaf Shaped Triple Band Patch Antenna with DGS for X and C-Band Applications	C. Elavarasi, T. Shanmuganantham	WASET- International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering (Indexed by Scopus)	11(4), 496-502	2017
123	Modeling and Analysis of a Multi Bossed Beam-Membrane Sensor for Environmental Applications	A. Nallathambi and T. Shanmuganantham	Transactions on Electrical and Electronic Materials (Springer-Indexed by SCI)	18(1), 25-29	2017
124	Design of Microstrip Trapezoidal Patch Antenna Using Coaxial Feeding Technique for Space Applications	Deepanshu Kaushal, T. Shanmuganantham	International Journal of Wireless and Microwave Technologies (Indexed by SCI)	07(6), 01-12	2017
125	SRR Loaded Maple Leaf Shaped Antenna for Wide Multiple band Applications	C. Elavarasi, T. Shanmuganantham	International Journal of Microwave and Optical Technology (Indexed by SCI)	12(6), 413-418	2017
126	Analysis and Design of CPW Fed Antenna at ISM Band for	S. Ashok Kumar, M. Arun Raj and T. Shanmuganantham	Alexandria Engineering Journal (Elsevier-Indexed by SCI)	3(2), 01-05	2017

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	Biomedical Applications				
127	Design and Development of CPW fed Monopole Antenna at 2.45GHz and 5.5GHz for Wireless Applications	S. Ashok Kumar and T. Shanmuganantham	Alexandria Engineering Journal (Elsevier-Indexed by SCI)	56(2), 231-234	2017
128	Conjoined Rectangular Beam Shaped RF Micro-Electro- Mechanical System Switch for Wireless Applications	R. Raman, T. Shanmuganantham	International Journal of Advances in Microwave Technology	1(1), 01-06	2016
129	Design of Micro Sensor with Cantilever Beam for Temperature Measurement	A. Nallathambi and T. Shanmuganantham	ICTACT Journal on Microelectronics	02(1), 269-272	2016
130	Parametric Analysis of Water Lily Shaped SRR Loaded Fractal Monopole Antenna for Multiband Applications	C. Elavarasi, T. Shanmuganantham	WASET- International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering (Indexed by Scopus)	10(9), 1256-1259	2016
131	Comparison of Direct Contact Feeding Techniques for Rectangular Microstrip Patch	R. Kiruthika and T. Shanmuganantham	International Journal of Computer Science and Information Security (Indexed by Scopus)	14(1)-07	2016

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	Antenna for X-Band Applications				
132	Butterfly Shaped Microstrip Patch Antenna with Probe Feed for Space Applications	Deepanshu Kaushal, T. Shanmuganantham	International Journal of Computer Science and Information Security (Indexed by Scopus)	14, 56-60	2016
133	Design and Development of Implantable CPW fed Monopole L- Slot Antenna at 2.45 GHz ISM Band for Biomedical Applications	S. Ashok Kumar and T. Shanmuganantham	International Journal for RF Technologies: Research and Applications (IOP Press-Indexed by SCI)	7(4), 201-208	2016
134	A CPW Fed Compact T-Shaped Antenna for WiMax and WLAN Applications	M. Arun Raj, S. Ashok Kumar, T. Shanmuganantham	Indian Journal of Innovations and Development	5(11), 01-04	2016
135	Hex Band Microstrip Envelope Patch Antenna for Multiple Applications	Deepanshu Kaushal, T. Shanmuganantham	Indian Journal of Innovations and Developments	5(11), 21-25	2016
136	Triple Band Microstrip Delete Patch Antenna for Satellite Related Applications	Deepanshu Kaushal, T. Shanmuganantham	Indian Journal of Innovations and Developments	5(12), 01-05	2016
137	Single Band High Gain MicrostripShivling Patch Antenna for	Deepanshu Kaushal, T. Shanmuganantham	Indian Journal of Innovations and Developments	5(11), 15-20	2016

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	Aviation Communication				
138	Mono Band Microstrip Slotted Power Button Antenna for Aviation Communication	Deepanshu Kaushal, T. Shanmuganantham	Indian Journal of Innovations and Developments	5(11), 09-14	2016
139	Design of CPW Fed Antenna for Satellite and RADAR Applications	M. Arun Raj, S. Ashok Kumar, T. Shanmuganantham	Indian Journal of Innovations and Developments	5(11), 05-08	2016
140	Parametric Analysis of Water Lily Shaped Split Ring Resonator Loaded Fractal Monopole Antenna for Multiband Applications	C. Elavarasi, T. Shanmuganantham	WASET- International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering (Indexed by Scopus)	10(9), 1256-1259	2016
141	Design of CPW Fed Antenna for Satellite and RADAR Applications	M. Arun Raj, S. Ashok Kumar and T. Shanmuganantham	Indian Journal of Innovations and Development	5(11), 05-08	2016
142	A CPW Fed Compact T-Shaped Antenna for WiMax and WLAN Applications	M. Arun Raj, S. Ashok Kumar and T. Shanmuganantham	Indian Journal of Innovations and Development	5(11), 01-04	2016
143	Design and Analysis of Perforated SiDiaphragm based MEMS Pressure Sensor for	A. Nallathambi and T. Shanmuganantham	ICTACT Journal on Microelectronics	2(1), 209-215	2016

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	Environmental Applications				
144	Hex Band Microstrip Envelope Patch Antenna for Multiple Applications	Deepanshu Kaushal, T. Shanmuganantham	Indian Journal of Innovations and Development	5(11), 21-25	2016
145	Triple Band Microstrip Delete Patch Antenna for Satellite Related Applications	Deepanshu Kaushal, T. Shanmuganantham	Indian Journal of Innovations and Development	5(12), 01-05	2016
146	Single Band High Gain MicrostripShivling Patch Antenna for Aviation Communication	Deepanshu Kaushal, T. Shanmuganantham	Indian Journal of Innovations and Development	5(11), 15-20	2016
147	Mono Band Microstrip Slotted Power Button Antenna for Aviation Communication	Deepanshu Kaushal, T. Shanmuganantham	Indian Journal of Innovations and Development	5(11), 09-14	2016
148	Stress and Sensitivity Analysis of Cantilever Based MEMS Sensor for Environmental Applications	A. Nallathambi and T. Shanmuganantham	Journal of Research in Engineering and Applied Sciences	1(1), 20-24	2016
149	A Study of Energy Harvesting Process of MEMS	Uday Jyoti Gogoi, T. Shanmuganantham	Journal of Electrical Engineering (Indexed by Scopus)	15(3), 168-174	2015

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	Piezoelectric Pressure Sensor				
150	A Study of Energy Harvesting Process of MEMS Piezoelectric Pressure Sensor	Udai Jothi Gogoi, T.Shanmuganantham	Journal of Electrical Engineering (Indexed by Scopus)	15(3), 168-174	2015
151	Asymmetric Coplanar F-Strip-Fed Antenna with DGS for Dual Band Wireless Applications	Ansal KA, T.Shanmuganantham	International Journal of Electrical and Computer Engineering (Indexed by SCI)	5(1), 31-37	2015
152	Implantable CPW-Fed Circular Slot Antennas for 2.45 GHz ISM Band Biomedical Applications	S. Ashok Kumar and T. Shanmuganantham	Journal of Circuits, Systems, and Computers (Indexed by SCI)	24(1), 1-12,	2015
153	Optimization of Low Pressure Sculptured Diaphragm with Burst Pressure and Stress Analysis	D. Sindhanaiselvi, T. Shanmuganantham	International Journal of Applied Engineering Research (Indexed by Scopus)	10(24), 21075-21081	2015
154	Slot Coupled Microstrip Antenna for C and X band Applications	Ansal KA, T.Shanmuganantham	International Journal of Advanced Research in Engineering and Technology (Indexed by Scopus)	2(4), 169-173	2015

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155	CPW Fed CRR Coconut Tree Shaped Fractal Antenna for C/X Band Applications	C. Elavarasi, T. Shanmuganantham	International Journal of Engineering Research	1(2), 28-32	2015
156	Energy harvesting process of circular diaphragm based MEMS piezoelectric pressure sensor	Uday Jyoti Gogoi, T. Shanmuganantham	International Journal of Engineering Research	1(2), 22-27	2015
157	Planar ACS Fed Dual Band Antenna with DGS for Wireless Applications	Ansal KA, T. Shanmuganantham	International Journal of Antennas (Indexed by Scopus)	1(1), 85-97	2015
158	A Novel CB ACS-fed Dual Band Antenna with Truncated Ground Plane for 2.4/5 GHz WLAN Applications	Ansal KA, T. Shanmuganantham	AEU: International Journal of Electronics and Communications (Elsevier-Indexed by SCI)	10, 1506-1513	2015
159	Design and Performances of Implantable CPW Fed Appolian Shaped Antenna at 2.45 GHz ISM Band for Biomedical Applications	S. Ashok Kumar and T. Shanmuganantham	Transactions on Electrical and Electronic Materials (Springer-Indexed by SCI)	16(5), 1339-1343	2015
160	Analytical Modelling of Low Pressure Single Boss Sculptured Diaphragm and its	D. Sindhanaiselvi, T. Shanmuganantham	ICTACT Journal on Microelectronics	1(3), 124-130	2015

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	Sensitivity Enhancement				
161	Design and Development of Implantable CPW fed Monopole U Slot Antenna at 2.45 GHz ISM Band for Biomedical Applications	S. Ashok Kumar and T. Shanmuganantham	Microwave and Optical Technology Letters (John Wiley-Indexed by SCI)	57(7), 1604-1608	2015
162	Analysis of DC-Metal Contact RF MEMS Switch with Split Beam for Wireless Applications	R. Raman, T. Shanmuganantham	International Journal of Communication and Antenna Propagation (Indexed by Scopus)	5(6), 01-06	2015
163	Performance Analysis of Slotted Square Diaphragm for MEMS Pressure Sensor	A. Nallathambi and T. Shanmuganantham	ICTACT Journal on Microelectronics	1(2), 62-67	2015
164	Design of Diaphragm Based MEMS Pressure Sensor with Sensitivity Analysis for Environmental Applications	A. Nallathambi and T. Shanmuganantham	Sensors & Transducers (Indexed by Scopus)	188(5), 48-54	2015
165	A triple band ACS - fed Antenna with parasitic strip for	Ansal KA, T. Shanmuganantham	International Journal of Applied Engineering Research (Indxed by Scopus)	5(3), 810-816	2015

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	bandwidth improvement				
166	A Cantilever Based MEMS Sensors for Detection of Greenhouse Gases	A. Nallathambi and T. Shanmuganantham	International Journal of Engineering Research	1(2), 16-21	2015
167	Analysis and Design of Implantable Z-Monopole Antennas at 2.45 GHz ISM Band for Biomedical Applications	S. Ashok Kumar and T. Shanmuganantham	Microwave and Optical Technology Letters (John Wiley-Indexed by SCI)	57(2), 468-473	2015