

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

Curriculum Vitae

Brief Profile: D. Sriram Kumar received B.E. degree in Electronics and Communication Engineering from Thiagarajar College of Engineering, Madurai Kamaraj University, Madurai, Tamil Nadu, India, and M.E. with Distinction in Microwave and Optical Engineering, A. C. College of Engineering and Technology, Karaikudi, Madurai Kamaraj University, Madurai, Tamil Nadu, India, in 1991 and 1994, respectively. He completed his Doctoral Degree in Microwave Integrated Circuits- Coplanar Waveguide Discontinuities, Periodic structures-Analysis, Antenna Applications from Bharathidasan University, Tiruchirappalli, Tamil Nadu, India, in 2009. He is currently working as a Professor in the Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India. He has published more than 60 papers in International Journals and presented more than 100 papers in International and National Conferences in India and foreign countries. He published two book chapters. He is the reviewer for around ten referred journals including IEEE, SPIE, Elsevier, Springer, PIER and HJEEE. He is a life member of ISTE, MIEM, INC, IETE, Secretary and Treasurer of ISTE-NITT Chapter, President of the CRY club at NITT and Chartered Engineer (INDIA). He coordinated the externally funded research projects "Highly-Compact Very Large Mode-Area Hybrid Multi-Trench Optical Fiber for High Power Industrial Lasing Applications" worth Rs. 20:89 Lacs, Department of Science and Technology, Science and Engineering Research Board (SERB) and "RF MEMS Component (Reconfigurable Antenna)", MHRD, worth Rs. 11 lacs (as Project Coordinator) over a period of 36 months.



1. Name: Dr. D Sriram Kumar
2. Designation: Professor
3. Office Address: Dr. D. Sriram Kumar
Professor
Department of Electronics and
Communication Engineering
National Institute of Technology
Tiruchirappalli
India - 620015
4. Telephone (Direct) (Optional):
Telephone : 0431 2503311 Extn (Optional):
Mobile (Optional):
5. Email (Primary): srk@nitt.edu Email (Secondary) :
srk1229@gmail.com
6. Field(s) of Specialization: Microwave and Optical Engineering,
Antennas and Wave Propagation,
Carbon Nanotube Antennas.

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7. Employment Profile

Job Title	Employer	From	To
Professor	NIT Trichy	March 2018	Till date
Head of the department	NIT Trichy	04/02/2014	03/02/2017
Head of the department - In charge	NIT Trichy	30/05/2013	04/08/2013
Associate Professor	NIT Trichy	July 2010	March 2018
Faculty	National Institute of Technology, Tiruchirappalli, India	19/11/1997	July 2010
Faculty	Raja College of Engg & Tech, Madurai, Tamil Nadu	24/07/1996	18/11/1997
Faculty	VIT, Vellore, Tamil Nadu	03/08/1994	23/06/1996

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	Bharathidasan University, Tiruchirappalli, India	2009		Microwave Integrated Circuits – Coplanar Waveguide- Discontinuities, Periodic structures – Analysis, Antenna Applications
M.E	Alagappa Chettiar College of Engineering and Technology, Karaikudi, India.	1993	Distinction	Microwave and Optical Engineering
B.E	Thiagarajar College of Engineering, Madurai, India.	1991	First Class	Electronics and Communication Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Chairman- Ph.D. & MS Admission Committee	Electronics and Communication Engineering		

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Member in Centre Of Excellence	Electronics and Communication Engineering		
TEQIP Nodal Officer/ Finance	Electronics and Communication Engineering	Jan 2010	Jan 2013
Training officer	Training and Placement, NIT Trichy	Jan 2007	Dec 2010
Secretary and Treasurer	ISTE-NIT Trichy	2003	Till Date

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
Faculty	Raja College of Engg & Tech, Madurai, Tamil Nadu	24/07/1996	18/11/1997
Faculty	VIT, Vellore, Tamil Nadu	03/08/1994	23/06/1996

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2017	Best researcher award	NIT Trichy
2014	OSA Best Paper Award	IONS- Asia 6 Kharagpur

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work

(i) Curriculum Development

- Novel assignments with numerical
- Introduced MCQs in internal evaluations
- Optical wireless systems, Smart Antennas, PBG Structures, WDM Optical Networks, couple of experiments in Microwave and Fiber Optics Lab

(ii) Courses taught at Postgraduate and Undergraduate levels

- Antennas and Wave Propagation
- Transmission lines and waveguides
- Optical Communication Systems

(iii) Projects guided at Postgraduate level

- All Optical OFDM transmission for Passive Optical Networks

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- Physical Enhanced Security Strategy Implementation in WDM PON
 - Analysis of simultaneously measurement of temperature and strain using different
 - FBG
- (iv) Other contribution(s)
- Life member in different reputed universities.

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
“Highly Compact Very Large Mode Area Hybrid Multi Trench Optical Fiber for High Power Industrial Lasing Applications”	SERB	2017	2020	Completed
Performance analysis and characterization of Si/ZnO Heterojunction diode as Pressure Sensor	DST-TARE	2019	2022	Completed
Modelling and Simulation of Multigate InSb/AlInSb based High Electron Mobility Transistors for 5G Applications	DST-TARE	2020	2022	Ongoing
Dense Deployable Massive MIMO antenna system for 5G wireless communications with reduced correlation/ mutual coupling	SERB-IMPRINT	2019	2022	Ongoing

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15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Dr. M. Levy	Fractal concepts in optical & smart antenna	Supervisor	2014
Dr. K. Prabu	Free space optical communication	Supervisor	2014
Dr. S. Anand	RF nanotechnology	Supervisor	2015
Ms. S. Gunavathi	UWB antennas	Supervisor	2016
Ms. V. Sudha	Wireless networks	Supervisor	Completed
Ms. J. Jeyarani	Signal processing in FSO	Supervisor	Completed
Mr. K. Venkatachalam	Photonic crystal based DWDM	Supervisor	Completed
Mr. N. V. Rajasekhar	Antennas for future wireless applications	Supervisor	Completed
Ms. N. Geetha	Antennas for wireless application	Supervisor	Completed
Mr. M. Sasiganth	MIMO for wireless communication	Supervisor	Completed
Mr. M. Rajamadasamy	Photonics	Supervisor	Completed
N. Geetha	Antennas for Wireless Application	Supervisor	Completed
Mr. Bharathreddy Gudibandi	Antennas for wireless applications	Supervisor	Completed
Mr. Harish Adhithya	Antennas for wireless applications	Supervisor	Completed
Radhakrishnan S	Plasmonics	Supervisor	Ongoing
Anisha Sree	Analysis of Optical Antennas and It's Applications	Supervisor	Ongoing
Ms. Vadlamudi Roja	Design & Analysis of Antennas for future wireless Applications	Supervisor	Ongoing
Mrs. C G Akalya		Supervisor	Ongoing
Mr. Sairam S D		Supervisor	Ongoing

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International / National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue

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May 2007	TEQIP training	International	Participant	Nanyang Technological University	Singapore
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17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Research methods and LaTeX	National	20 & 21 September 2013	Co-ordinator	NIT Trichy
Recent trends in wireless networks	National	26 & 27 August 2013	Co-ordinator	NIT Trichy
Research issues and challenges in social network computing	National	4 May 2012	Co-ordinator	NIT Trichy
Research methods	National	5 & 6 August 2010	Co-ordinator	NIT Trichy
Recent trends in microwave integrated circuits	National	17 July 2010	Co-ordinator	NIT Trichy
Microwave integrated circuit component's design, layout and fabrication- an introduction	National	7 October 2006	Co-ordinator	NIT Trichy

18. Invited Talks delivered

Topic	Date	Inviting Organization
Terahertz Antenna	20/01/2014	GITAM University, Visakhapatnam
Mobile Phone Issues	12/03/2014	Kalasalingam University, Krishnankoil
Issues in Mobile Communication	15/07/2014	MepcoSchlenk Engineering College, Sivakasi
Smart Antenna	23/09/2014	Adhiparasakthi Engineering College, Melmaruvathur
Digital India	10/01/2015	Pondicherry Engineering College, Pondicherry
2 days FDP	20/01/2015	Thiagarajar College of

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		Engineering, Madurai
National Symposium- Keynote address	13/02/2015	ThanthaiPeriyar Government Institute of Technology, Vellore
Pre NBA Talk	27/09/2016	Thiagarajar College of Engineering, Madurai
Antennas in Multi-field	08/11/2016	Pondicherry Engineering College, Pondicherry
Antennas in Future wireless communication	02/12/2016	K.L.N college of Engineering, Madurai

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
IEEE Senior Member	IEEE	
Life Member	IETE	M-189092, Jan 2007
Life Member	Institution of Engineers	MIE M 125319-5, 16/06/2003
Life Member	Chartered Engineer	09/02/2001
Life Member	Society of Automotive Engineers	1997
Life Member	ISTE	LM 20034,1995

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	May 2007 (1 Month)	TEQIP training on Millimeter wave techniques and fabrication.

21. Publications

(A) Refereed Research Journals:

1. Roja Vadlamudi, Sriram Kumar Dhamodharan, "Nature enthused high isolation high gain miniaturized multiple-input multiple-output antenna for A-LTE/5G macro cell base transceiver station applications", RFCAD, 2021.
2. V Kannaiyan, SK Dhamodharan, "Investigation of 2D-PC ring resonator-based demultiplexer for ITU-T G. 694.1 WDM systems", Journal of Optical Communications, 2021.
3. BR Gudibandi, HA Murugan, D. Sriram Kumar, Miniaturization of monopole antenna using high refractive index metamaterial loading- RFCAD, 2020.

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4. HA Murugan, BR Gudibandi, D. Sriram Kumar, Coaxial-fed high-gain triple-band zeroth-order circularly polarized antenna using pseudo-open termination and asymmetric unit cells, RFCAD, 2020.
5. BR Gudibandi, HA Murugan, D. Sriram Kumar, Miniaturization of Microstrip Slot Antenna Using High Refractive Index Metamaterial Based on Single Ring Split Ring Resonator, PIER-2020.
6. Jeyarani, J., D. Sriram Kumar and B.E Caroline, Disaster Management using Free Space Optical Communication System. Photonic Network Communication – Springer Journals, (2019).
7. J.Jeyarani, Kumar DS, Caroline BE A Novel Ergodic Capacity Analysis of MISO OFDM – PDM for Free Space Optical Communication System, Optik, ELSEVIER. (2019), Vol.185, pp 1220-1225.
8. J. Jeyarani, D. Sriram Kumar and B. Elizabeth Caroline (2018) PolSK and ASK Modulation Techniques Based BER Analysis of WDM-FSO System for Under Turbulence Conditions. Wireless Personal Communications, 103, 3221-3227.
9. J. Jeyarani, D. Sriram Kumar and B.E Caroline (2018) Performance analysis of free space optical communication system employing WDM-PolSK under turbulent weather conditions. Journal of Optoelectronics and Advanced Materials, 20, 506-514
10. J.Jeyarani and D.SriramKumar (2018) Performance Analysis of Two Way All-Optical Relay Assisted PM-FSO over Different Weather Conditions. Visnyk NTUU KPI Seria Radiotekhnika Radioaparatabuduvannia, 74, 30–35.
11. Venkatachalam Kannaiyan, Sriram Kumar Dhamodharan, Robinson Savarimuthu (2019) 2D-Photonic Crystal based Demultiplexer for WDM Systems – A Review, Journal of Optical Communications, DOI: <https://doi.org/10.1515/joc-2018-0216>.
12. Venkatachalam Kannaiyan, Sriram Kumar Dhamodharan, Robinson Savarimuthu (2018) Investigation of 2D-PC Ring Resonator based Demultiplexer for ITU-T G.694.1 WDM Systems, Journal of Optical Communications, DOI: <https://doi.org/10.1515/joc-2018-0037>.
13. Venkatachalam K., S. Robinson and D. Sriram Kumar, "Investigation of 2D-photonic crystal resonant cavity based WDM demultiplexer." Opto-Electronics Review 26.2 (2018): 108-115.
14. Venkatachalam K., D. Sriram Kumar and S. Robinson (2017) "Performance analysis of 2D-Photonic Crystal Ring Resonator based Demultiplexer for ITU-T G.694.1 WDM Systems", accepted in the Journal of Optoelectronics and Advanced Materials.
15. Venkatachalam K., D. Sriram Kumar and S. Robinson (2017) "Investigation on 2D-Photonic Crystal based Eight Channel Wavelength Division Demultiplexer", Photon. Netw. Commun., Vol.34 (1), pp.100-110.
16. Venkatachalam K., D. Sriram Kumar and S. Robinson (2017) "Performance analysis of an eight channel demultiplexer using a 2D-photonic crystal quasi square ring resonator", Opto-Electronics Review, Vol.25 (2), pp.74 -79.
17. Venkatachalam, K., S. Robinson, D. Sriram Kumar and K. Kavithra (2017) "Investigation into Performance Analysis of 2DPC based Band Pass Filter", International Journal of Photonics and Optical Technology, Vol.3(1), pp.10-15
18. Venkatachalam Kannaiyan, Sriram Kumar Dhamodharan and Robinson Savarimuthu (2017) "Performance analysis of 2DPC Octagonal Ring Resonator based Eight Channel Demultiplexer", Optica Applicata, Vol. XLVII (1), pp.7-18.

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19. N. V. Rajasekhar, and Sriramkumar D, "UWB Metamaterial-based miniaturized planar monopole antennas" *AEU-International Journal of Electronics and Communications* 82 (2017): 93-103.
20. V. Vaiyamalai, Sudha, Samatha Mahesula, and Sriram Kumar Dhamodharan. "PAPR Reduction in SLM-OFDM System Using Lehmer Sequence Without Explicit Side Information" *Wireless Personal Communications* 97.4 (2017): 5527-5542.
21. V. Sudha, M. Syamkumar, and D. Sriram Kumar (2017), "A Low Complexity Modified SLM and Companding based PAPR Reduction in Localized OFDMA" *Wireless Personal Communications*, 96(2) (2017): 3207-3226.
22. V. Sudha, D. Sriram Kumar (2017) "Performance Analysis of PAPR Reduction in OFDM System Using SLM with Lehmer Sequence", *Journal of Scientific and Industrial Research (JSIR)*, 76(7), 415-418.
23. Godwin, RS Jim, K. Veena, and D. Sriram Kumar "Performance analysis of colour coded multiple access orthogonal frequency division multiplexing visible light communication system"; *International Journal of Image Mining* 2.3-4 (2017): 301-317.
24. Venkata Rajasekhar Nuthakki, Sriram Kumar Dhamodharan "Via-less CRLH-TL unit cells loaded compact and bandwidth-enhanced metamaterial based antennas" *Elsevier, Int. J. Electron. Commun. (AEU)* 80 (2017) 48-58.
25. S. Anand, M. S. Darak, and D. Sriram Kumar, "Analysis on Effect of Low Dielectric Permittivity on Indium-doped Tin Oxide based Optically Transparent Terahertz Patch Antenna", *Physica E: Low-dimensional Systems and Nanostructures*, Elsevier, 83, 505-10, 2016.
26. Thampy, Anand Sreekantan, and Sriram Kumar Dhamodharan. "Performance analysis and comparison of MWCNT loaded ITO and TIO based optically transparent patch antennas for terahertz communications" *Physica E: Low-dimensional Systems and Nanostructures* 78 (2016): 123-129.
27. Venkatachalam Kannaiyan, Sriram Kumar Dhamodharan and Robinson Savarimuthu (2016) "Investigation on modified quasi-square PCRR based demultiplexer for WDM applications", *Opt. Quant. Electron.*, Vol.48 (12), pp.1-12.
28. Venkatachalam, K., D. Sriram Kumar and S. Robinson (2016) "Performance analysis of 2D-photonic crystal based eight channel wavelength division demultiplexer", *Optik*, Vol.127 (20), pp.8819-8826.
29. Prabu, K., and D. Sriram Kumar, "Polarization shift keying based relay-assisted free space optical communication over strong turbulence with misalignment"; *Optics and Laser Technology* 76 (2016): 58-63.
30. Gunavathi, N. and Kumar, D. S. (2016), "Miniaturized unilateral coplanar waveguide-fed asymmetric planar antenna with reduced radiation hazards for 802.11ac applications", *Microw. Opt. Technol. Lett.*, 58: 467-471. doi:10.1002/mop.29599.
31. V. Sudha, D. Sriram Kumar (2016) "Low Complexity Hybrid Scheme for PAPR Reduction in OFDM Systems Based on SLM and Clipping", *WASET-International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering*, 10(4), 519-523.
32. Mishra Neha, and D. Sriram Kumar, "Performance analysis of dual-hop optical wireless communication systems over K-distribution turbulence channel"; *International Journal of Image Mining* 2.2 (2016): 129-139.

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33. Thampy, Anand Sreekantan, Mayur Sudesh Darak, and Sriram Kumar Dhamodharan. \Analy-sis on e ect of low dielectric permittivity on indium-doped tin oxide based optically transparent terahertz patch antenna." *Physica E: Low-dimensional Systems and Nanostructures* 83 (2016): 505-510.
34. Girish, K. B. N., et al. \A Novel Proposal of Arti cial Magnetic nductor Loaded Rectan- gular Patch Antenna for Wireless Applications." *Microelectronics, Electromagnetics and Telecommunications*. Springer, New Delhi, 2016. 467-475.
35. N. V. Rajasekhar and D. Sriram Kumar, \A miniaturized UWB via-less CRLH-TL loaded CPW FED patch antenna", *Microwave and Optical Technology Letters (MOTL)*,2016 Wiley Periodicals, Inc. Vol. 58, Issue 10,pp-2485- 2492, October 2016.
36. Jeyarani, J., D. Sriram Kumar, (2015) Performance of Free Space Optical system for PolSk and QPSK, *International Journal of Applied Engineering Research*, 10, 200043-200048.
37. Prabu, K., Rajeswar Rajendran, and D. Sriram Kumar.;Spectrum analysis of radio over free space optical communications systems through di erent channel models.; *Optik-International Journal for Light and Electron Optics* 126.11 (2015): 1142-1145.
38. Prabu, K., and D. Sriram Kumar. \BER analysis for BPSK based SIM{FSO communication system over strong atmospheric turbulence with spatial diversity and pointing errors." *Wireless Personal Communications* 81.3 (2015): 1143-115
39. Anand S., Sudesh D. M., Kumar, D. Sriram , \Investigations on Titanium-Doped Indium Oxide Based Optically Transparent Terahertz U-Shaped Patch Antenna", *Journal of Computational and Theoretical Nanoscience*, Volume 12, Number 4, April 2015, pp. 660- 664(5).
40. N.Gunavathi and D.Sriram Kumar (2015), \CPW-Fed Monopole Antenna with Reduced Radiation Hazards towards Human Head using Metallic Thin-Wire Mesh for 802.11ac Ap-plications". *Microwave and Optical Technology Letters (MOTL)*,57(11) November 2015, pp. 2684-2687.
41. Gunavathi, N. and Sriramkumar, D. (2015), "Estimation of resonant frequency and bandwidth of compact unilateral coplanar waveguide-fed ag shaped monopole antennas using artificial neural network". *Microw. Opt. Technol. Lett.*, 57: 337{342.doi:10.1002/mop.28838
42. V. Sudha, D. Sriram Kumar (2015) ,"Low Complexity Peak-to-Average Power Ratio Reduction in OFDM System by Simultaneously Applying Partial Transmit Sequence and Clipping Algorithms". *WASET-International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering*, 9(4), 465-471.
43. Anand, S., D. M. Sudesh, D. Sriram Kumar, and C. Murthy. \Analysis of Titanium-Doped Indium Oxide Based Optically Transparent Patch Antenna for Terahertz Communications." *Journal of Computational and Theoretical Nanoscience* 12, no. 3 (2015): 341-344.
44. Thampy, Anand Sreekantan, Mayur Sudesh Darak, and Sriram Kumar Dhamodharan. \Analysis of graphene based optically transparent patch antenna for terahertz communications." *Physica E: Low-dimensional Systems and Nanostructures* 66 (2015): 67-73.
45. Prabu, K., and D. Sriram Kumar. \MIMO free-space optical communication employing coherent BPOLSK modulation in atmospheric optical turbulence channel with pointing errors." *Optics Communications* 343 (2015): 188-194.

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46. Prabu, K., and D. Sriram Kumar. \BER analysis for BPSK based SIM{FSO communication system over strong atmospheric turbulence with spatial diversity and pointing errors." *Wireless Personal Communications* 81.3 (2015): 1143-1157.
47. S. Anand, and D. Sriram Kumar, \Performance analysis and comparison of ITO and FTO based optically transparent terahertz U-shaped patch antennas", *Physica E: Low-dimensional Systems and Nanostructures* 66, 52-58, Elsevier, 2015.
48. K. Prabu, Shashidhar Cheepalli, and D. Sriram Kumar, \Analysis of PolSK based FSO system using wavelength and time diversity over strong atmospheric turbulence with pointing errors", *Optics Communications*, vol. 324, pp. 318-323, Elsevier, 2014.
49. M. Sudesh Darak, S. Anand and D. Sriram Kumar, \Bandwidth enhancement of a patch antenna by loading complementary K-shaped artificial magnetic conductors in ground plane," 2014 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE), Johor Bahru, 2014, pp. 224-227. doi: 10.1109/APACE.2014.7043786
50. Anand S., Darak M.S., Kumar D.S. (2014) \Investigations on Indium Tin Oxide Based Optically Transparent Terahertz E-shaped Patch Antenna". In: Thampi S., Gelbukh A., Mukhopadhyay J. (eds) *Advances in Signal Processing and Intelligent Recognition Systems. Advances in Intelligent Systems and Computing*, vol 264. Springer, Cham, 195-202.
51. K. Prabu, D. Sriram Kumar, T. Srinivas, \Performance analysis of FSO systems under strong atmospheric turbulence conditions using various modulation schemes", *Optik – International Journal for Light and Electron Optics*, Elsevier, Vol. 125, pp. 5573-5581, 2014.
52. K. Prabu, D. Sriram Kumar, \Outage Analysis of Relay-Assisted BPSK-SIM Based FSO Systems Over Strong Atmospheric Turbulence with Pointing Errors", *International Journal of Computer and Communication Engineering*, vol. 3, pp. 317-320, 2014.
53. Prabu, K., D. Sriram Kumar, and Reza Malekian. \BER analysis of BPSK-SIM-based SISO and MIMO FSO systems in strong turbulence with pointing errors." *Optik-International Journal for Light and Electron Optics* 125.21 (2014): 6413-6417.
54. Krishnan, Prabu, and D. Sriram Kumar. \Performance analysis of free-space optical systems employing binary polarization shift keying signaling over gamma-gamma channel with pointing errors." *Optical Engineering* 53.7 (2014): 076105.
55. Prabu, K., and D. Sriram Kumar. \BER analysis of DPSK{SIM over MIMO free space optical links with misalignment" *Optik-International Journal for Light and Electron Optics* 125.18 (2014): 5176-5180.
56. S. Anand, D. Sriram Kumar, Ren Jang Wu, and Murthy Chavali, \Graphene nanoribbon based terahertz antenna on polyimide substrate", *Optik - International Journal for Light and Electron Optics*, Elsevier, vol. 125, pp. 5546-5549, 2014.
57. Anand, S., D. Sriram Kumar, Ren Jang Wu, and Murthy Chavali. \Graphene nanoribbon based terahertz antenna on polyimide substrate." *Optik-International Journal for Light and Electron Optics* 125, no. 19 (2014): 5546-5549.
58. Anand, S., D. Sriram Kumar, Ren Jang Wu, and Murthy Chavali. \Analysis and design of optically transparent antenna on photonic band gap structures." *Optik-International Journal for Light and Electron Optics* 125, no. 12 (2014): 2835-2839.
59. Sudha, V., and D. Sriram Kumar. \Peak-to-Average Power Ratio Reduction of OFDM Signals by Applying Low Complexity SLM and Clipping Hybrid Scheme." *International Journal on Electrical Engineering and Informatics* 6.2 (2014): 394.

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60. D. Sriram Kumar, Malmathanraj Ramanathan, R. Mohan and S. Uma maheswari, "Mammo-gram tumor classification using modified Segmentation techniques", International Journal of Biomedical Engineering and Technology, 2013.
61. K. Prabu, Sumanta Bose, and D. Sriram Kumar, "BPSK based Subcarrier Intensity Modulated Free Space Optical System in Combined Strong Atmospheric Turbulence", Optics Communications, vol. 305, pp. 185-189, Elsevier, 2013.
62. Nebu Pulickal, A. K. Prakash and D. Sriram Kumar, "A Survey on UWB and Reconfigurable Antennas for Cognitive Radio Application", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 2, Issue 12, 2013.
63. Levy Mounissamy, Sriram Kumar Dhamodharan, and Anh Van Dinh, "Analysis of nonlinear fractal optical antenna arrays", Progress In Electromagnetics Research B, 2013.
64. Levy Mounissamy, Sriram Kumar Dhamodharan, and Anh Van Dinh, "Analysis of Novel Fractal Optical Antenna Arrays - A Conceptual Approach", Progress In Electromagnetics Research M, vol. 32, pp. 83-93, 2013.
65. M. Levy, Sumanta Bose, D. Sriram Kumar, and Anh Van Dinh, "Rapid Beam Forming in Smart Antennas using Smart-Fractal Concepts employing Combinational Approach Algorithms; Microstrip Antennas: Future Trends and New Applications", International Journal of Antennas and Propagation, Hindawi Publications, 2012.
66. M. Levy, S. Bose, A.V. Dinh, and D. Sriram Kumar, "A Novelistic fractal antenna for Ultra Wide Band (UWB) Applications", Progress In Electromagnetic Research B, 45, 2012, 369-393.
67. M. Levy, D. Sriram Kumar, and Anh Van Dinh, "Levy's power conservation method (LPCM) { an innovative approach for efficient power saving and reduced electromagnetic radiation strategies", IJREAS, 2, 2012.
68. N. Gunavathi, B. Rebekka and D. Sriram Kumar, "CPW fed 5 GHz WLAN band notched UWB antenna, UPA International Journal of Image processing and network techniques", vol. 4, pp. 1-5, 2011.
69. Sulakshana, Ch., and D. Sriram Kumar, "A CPW-fed Rectangular Patch Antenna for WLAN/Wi-MAX Applications", ACEEE International Journal on Communication, 1, 2010.

(B) Conferences/Workshops/Symposia Proceedings

1. Roja Vadlamudi, Sriram Kumar D, "Triple-Band DP, Low Profile and High Gain Antenna With High Isolation for 4G (Band 40/41) and 5G BTS Applications", IEEE- World 5G Forum 2020, Bangalore.
2. Roja Vadlamudi, Sriram Kumar D, "Dual Band, Dual Slant ± 450 Polarized 2×2 MIMO (8T 8R) Antenna Array with Low Mutual Coupling for A-LTE(4G) Band 41/42/43(5G) BTS Application", IEEE International Conference-Wispnet 2020, Chennai.
3. Roja Vadlamudi, Sriram Kumar D, "Nature Stimulated Dual band, Dual Polarized aerial with very Good Isolation for A-LTE/5G Base Station Applications", IEEE International Conference -SCEECS 2020, NIT Bhopal.

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