

### **Profile for DC Member**

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10.	<b>Publication details (Last 5 years: 2016-2020)</b>	: Given in <b>Annexure I</b>

### **ANNEXURE I**

#### **PUBLICATIONS**

#### **Publication in peer reviewed Journals**

- B.Sivashanmugavalli, B. Vijayalakshmi, L.BadhreeRao, S.Samiulla.” Design of 4X4 CSRR Metasurface Loaded Patch Antenna” TEST Engineering And Management, ISSN: 0193-4120, pp: 25245-25248, March-April 2020.
- S.SadhishPrabhu , B.Vijayalakshmi, S.S.M Abdul Majeed,” Microstrip Patch Antenna Using Graphene as Super substrate”, Journal of Advanced Research in Dynamical and Control Systems, ISSN 1943-023X, March 2019.

- R.Anitha, Dr.B.Vijayalakshmi, "Design of Arithmetic Unit in QCA Technology using Reversible Gates", International Journal of Pure and Applied Mathematics (ISSN Online: 1314- 3395), Academic Publications, Volume 119, No. 15, 2018, pp.1041-1045, ISSN 1311-8080.
- K.Sindhubala and B.Vijayalakshmi, "Visible light communication using LED as receiver with the effect of ambient light" Optical and Quantum Electronics, vol.50 (1), pp.1-11, ISSN: 0306-8919, Jan 2018 (Scopus and Web of science indexed, Impact factor: 1.055).
- K. Sindhubala and B. Vijayalakshmi, "Design and implementation of optical receiver for visible light communication to reduce ambient light noise", Light & Engineering, Vol. 25, No. 2, June 2017, ISSN 0236-2945, pp.139-146. Impact factor 0.193, Scopus, Web of science indexed
- Iqra Muntaha, B.Vijayalakshmi, "Design of an Antenna for Medradio Band", International Journal of Science And Innovative Engineering & Technology, volume 1, May 2017 issue, ISBN 978-81-904760-9-6.
- K. Sindhubala and B. Vijayalakshmi, "Receiver Intend to Reduce Ambient Light Noise in Visible-Light Communication using Solar Panels", Journal of Engineering Science and Technology Review10 (1), pp.84- 90, April 2017, ISSN: 1791-2377
- Sindhubala Kadirvelu and Vijayalakshmi Baba, "Temperature Data Transfer Using Visible Light Communication", © Springer Nature Singapore Pvt. Ltd. 2017, Computer Communication, Networking and Internet Security, Lecture Notes in Networks and Systems 5, Edition 3, Chapter23, DOI 10.1007/978-981-10-3226-4\_3-pp23-33.
- K. Sindhubala and B. Vijayalakshmi, "Survey on Noise Sources and Restrained Techniques in Visible-Light Communication", Light & Engineering, Vol. 24, No. 2, June 2016, ISSN 0236-2945, pp.107-117. Impact factor 0.193, Scopus, Web of science indexed
- K. Sindhubala and B.Vijayalakshmi, "Experimental Indoor Visible-Light Communication System Using Solar Panel Receiver in the Presence of Ambient Light Noise", Light & Engineering, Vol. 24, No. 2, June 2016, ISSN 0236-2945, pp.96-106. Impact factor 0.193, Scopus, Web of science indexed

- K. Sindhubala and B. Vijayalakshmi, "Review on impact of ambient light noise sources and applications in optical wireless communication using LED", International Journal of Applied Engineering Research, vol.10(12), ISSN 0973-4562, pp. 31115-31130, Aug.2015.
- K.Sindhubala and B.Vijayalakshmi, "Design and Implementation of Visible Light Communication System in Indoor Environment", Asian Research Publishing Network (ARPN) Journal of Engineering and Applied Sciences, ISSN 1819-6608, Vol.10, No.7, April 2015, pp2882-2886.
- M.Mayuri, B.Vijayalakshmi and K.Sindhubala, "Biomedical Data Transmission Using Visible Light Communication", International Journal of Applied Engineering Research.vol.10 (20), ISSN: 0973-4562, pp.18056-18060, May 2015. (Scopus indexed, Impact factor: 0.181).
- Mrs.R.Anitha, P.Sailalithrohit and Dr.B.Vijaya Lakshmi, "Simulation of Quantum Circuits using QCAD", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.26, pp.21596-21600, April 2015.

#### **Research Publication in peer reviewed Conference**

- R.Anitha, B.Vijayalakshmi, "Simulation of Quantum Encoder & Decoder with Flip Bit Error Correction Using Reversible Quantum Gates", in IEEE International Conference on "Recent trends in Electrical, Control and Communications" (RTECC '18), March 20<sup>th</sup>-22<sup>nd</sup> 2018 at B.S.ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY, pp.99-102.
- R.Anitha, B.Vijayalakshmi, "Design of 1 Bit Arithmetic Unit in QCA Technology Using Reversible Gates" , in National Conference on Research in Electronics Engineering And Communication Techniques, (REACT'18) on April 6<sup>th</sup> and 7<sup>th</sup>, 2018, pp.13-16.
- B. Sivashanmugavalli, B. Vijayalakshmi, "Performance Measures of Vivaldi Antenna with Parasitic Elements", IEEE WiSPNET 2017 conference on 22-24 March 2017, pp.25-28. DOI: 10.1109/WiSPNET.2017.8299712, Chennai, India.

- S.Divya, B.Vijayalakshmi and K.Sindhubala, "Visible light communication based Heart beat rate, Blood pressure and Patient information transmission", International Conference on Adaptive Technologies for sustainable growth [ICATS-2016], Namakkal, 13-14 May 2016, pp52-56.
- K.Sindhubala and B.Vijayalakshmi, "Simulation of VLC system under the influence of optical background noise using filtering technique", International Conference on Computing, Communication, Nanophotonics, Nanoscience, Nanomaterials and Nanotechnology (12C4N-2K16), Mala, Thrissur, Kerala, 7-8 April, 2016
- M.Mayuri, B.Vijayalakshmi, "Biomedical Data Transmission Using Visible Light Communication", IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIECS'15, Coimbatore, March19-20, 2015, volume 6, pp.18056-18060.
- K.Sindhubala and B.Vijayalakshmi, "Design and performance analysis of Visible Light Communication system through simulation", 2015 IEEE International Conference on Computing and Communications Technologies, ICCCT'15, Chennai, Feb. 26-27, 2015, pp.215-220, ISBN:978-1-4799-7623-2/15/2015 IEEE.
- K.Sindhubala and B.Vijayalakshmi, "Ecofriendly Data Transmission in Visible Light Communication", International Conference on Computer, Communication, Control and Information Technology", C3IT 2015, Hoogly, Feb.7-8, 2015, PID 78, 978-1-4799-4445-3/15/2015 IEEE.
- K.Sindhubala and B.Vijayalakshmi, "Study of Visible Light Communication using RZ Modulation through Simulation", International conference on Micro-electronics, Communication and Computation – 2015, hosted at San Diego, USA through virtual participation, 27-28 Feb.2015, pp.MC027-036.