Dr. A.Sree Madhuri

Dr. A.Sree Madhuri, Assistant Professor

Educational Qualification	B.Tech (Electronics and Communication Engineering), M.Tech (Digital Electronics and Communication Systems). Ph.D (Attenuation studies on Free Space optical communication)
Experience	Teaching: 7 Years.
Area of Interest	Free Space optical Communications, Antennas, RF And Microwave System Design
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Date of Joining at RVCE: 13 December 2022

Publications:

A. Patents: 01

A.Sree Madhuri, Govardhani Immadi, M.Venkata Narayana**,"** A low-cost experimental setup of an FSO communication link to optimize for a specific geographical location" Application. No-202141054637. (**PATENT-Published**).

B. International Journals: 13

• Naveen Kumar, Majji & Madhavareddy, Venkata & Immadi, Govardhani & Ambati, Navya & **Aovuthu, Sree Madhuri** (2024). Analysis of a Compact Electrically Small Antenna with SRR for RFID Applications. Engineering, Technology & Applied Science Research. 14. 12457-12463. 10.48084/etasr.6418. (Q2)

• Lavuri Nageswara Rao, Govardhani Immadi, Madhavareddy Venkata Narayana, Ambati Navya, **Aovuthu Sree Madhuri**, and Kolasani Rajkamal, "A Compact Multiband Hybrid Rectangular DRA for Wireless Applications," Progress In Electromagnetics Research Letters, Vol. 117, 89-96, 2024. doi:10.2528/PIERL23111804 (Q3)

• Govardhani Immadi, Madhavareddy Venkata Narayana, Ambati Navya, **Aovuthu Sree Madhuri**, Burra Vamsi Krishna, and Marri Venkata Siva Gopi, "Analysis of a Triple Band MIMO Antenna for Sub-6 GHz Applications," Progress In Electromagnetics Research B, Vol. 107, 47-62, 2024.doi:10.2528/PIERB24032802. (Q3)

• **Sree Madhuri Aovuthu**, Govardhani.Immadi, Venkata Narayana. Madhavareddy." Experimental studies on the effects of fog and haze on free‐space optical link at 405 nm". Microwave Optical Technology Letters. 2020; 1– 6. https://doi.org/10.1002/mop.32662, (**SCI-E**) .(Q3)

• **A.Sree Madhuri**, Govardhani Immadi, M.Venkata Narayana, Estimation of Effect of Fog on terrestrial free space optical communication link. ” Wireless Personal Communications”, 112, 1229–1241 (2020). https://doi.org/10.1007/s11277-020-07098-4**(Springer) (SCI-E) (Q2)**

• Govardhani Immadi, M.Venkata Narayana, Sarat K Kotamraju, **A.Sree Madhuri** ,Estimating the Performance of Free Space Optical Link Under Adverse Weather Conditions Using Various Models. “Wireless Personal Communications” Volume 103, Issue 2, 2018, 1603-1613.(**Springer**) **(SCI-E**) **(Q2)**

• Govardhani. Immadi, Sarat K Kotamraju, M. Venkata Narayana, Habibulla Khan, **Sree Madhuri. A**, K. Sravya Chowdary and P. Vineela,” Measurement of Tropospheric Scintillation using KU Band Satellite Beacon Data”, ARPN Journal of Engineering and Applied Sciences, Volume 10, Issue 4, pp 1568-1572, March 2015, ISSN 1819-6608(**Scopus Indexed**). **(Q4)**

• **A.Sree Madhuri**, Govardhani Immadi, M.Venkata Narayana, Estimation of Cumulative Distribution of Scintillation Effect on Ku Band Frequencies for One of the Tropical Regions Using Various Models. Journal of Engineering Science and Technology Review, Volume-11, issue-1, (2018), pp 151 – 155, ISSN 1791-2377 (**Scopus Indexed**) (Q4)

• **A. Sree Madhuri**, Govardhani Immadi, V.Mounika, A.TarunTeja, T.Aakash, N.Sai Srinivasa ,Performance evaluation of free space optics using different modulation techniques at various link ranges , International Journal of Engineering and Advanced Technology, ISSN: 2249-8958, Volume-8 Issue-4, April 2019.(**Scopus Indexed**)

• **A.Sree Madhuri**, M.Venkata Narayana, Govardhani Immadi, Performance analysis of single and multiple channel FSO system under turbulent conditions using various models , International Journal of Engineering and Technology(UAE), Volume-7, Issue-3.12, 2018, pp-14-18, ISSN 2227-524X. (**Scopus Indexed**)

• Govardhani.Immadi, M. Venkata Narayana, **A.Sree Madhuri** ,V.L. Tejaswani Sabbasani, Simulation of Free Space Optical Communication Under Different Weather Conditions, International Journal of Pure and Applied Mathematics, Volume 117 No. 18 2017, 143-148, ISSN 1314-3395.

• Habibulla Khan, Govardhani. Immadi, M.V.N.S Pranoop, **A.Sree Madhuri**, “Scintillation Calculation for Ku Band Beacon Data”, Engineering Research Letters, Volume 6 ,Special Issue ,pp 1-6,March 2015,ISSN :2249-6913;

• Shaik. Taj Mahaboob, **A. Sree Madhuri**,” A Review on Atmospheric Effects on Free Space Optical Link”, International Journal of Engineering Research in Electronics and Communication Engineering, Volume 4, Issue 3, March 2017, ISSN: 2394-6849.

C. International Conferences: 04

• 7th IEEE International Conference on “Computational Systems and Information Technology for Sustainable Solutions (CSITSS 2023)
Title of the Paper: Design and Analysis of quad band BPF using ring resonator.
Year:2023

• National Conference on Recent Advances in Communication and Information Technologies at K L University.
Title of the paper: Scintillation Calculation for KU band Beacon Data.
Year: 2015.

• National Conference on Knowledge Based Inventive Telecommunication Systems at KKR&KSR Institute of Science and Technology Guntur.
Title of the paper: Cumulative Distribution of Scintillation Effect on Ku Band Frequencies Using Various Models

Year :2017.

• International conference on Emerging Trends in Engineering Science and Technologies at S V University Tirupati.
Title of the paper: A Review on Atmospheric Effects on Free Space Optical Link.
Year: 2017.

Awards and Recognitions:

1. Felicitation from Rashtreeya Shikshana Samithi Trust (RSST), on completion of PhD in January 2024.