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**Publications in National/International Journals:**

- **Noor Mohammed Vali Mohamad**, Prasun Ambastha, Sukriti Gautam, Rishab Jain, Hariharan S and Lakshmanan N, “*Dynamic Sectorization and parallel processing for device-to-device(D2D) resource allocation in 5G and B5G cellular network*”, **Peer-to- Peer Networking and Applications**, 2020; pp. 1-9;DOI 10.1007/s12083-020-00949-8.
- Sriksishna Iyer, T Velmurugan, A.H Gandomi, **V Noor Mohammed**, K Saravanan and S Nandakumar, “*Structural health monitoring of railway tracks using IoT-based multi- robot system*”, **Neural Computing and Applications**, 2020: pp.1-19; doi.org/10.1007/s00521-020-05366-9
- Narendiranath Babu T, Kiran Kamesh T, Sathvik N, Ramaprabha D, **Noor Mohammed V**, Razia Sultana W, Ramalinga Viswanathan M and Ajay Vannan M, “*Fault Analysis of Worm Gear Box Using Symlets Wavelet*”, **Archives of Acoustics**, 45(3), 2020, pp.521-540. DOI:10.24425/aoa.2020.134069
- **Noor Mohammed VM**, Sreenivasan PM, Ravishankar T, Hariharan S, Lakshmanan M. “*Energy –Efficient Resource allocation for Device-to-Device communication through noncooperative Game Theory*”, **International Journal of Communication System**, 33(6), 2020; e4279, doi.org/10.1002/dac4279.
- **Noor Mohammed V**, Rajkumar N, Lakshmanan M, Hariharan S, Nandakumar S, Velmurugan T, Palanivelan M. “*Uplink Resource Sharing and Power Management Scheme for an Underlay D2D Communication*”, **Wireless Personal Communication**, 110(2), 2019, pp. 637-650, doi.org/10.1007/s11277-019-06747-7
- **Noor Mohammed V**, Lakshmanan M. Palanivelan M and Sai Giri Ella, “*Development of an Enhanced Secured Authentication and Key Agreement Procedure for UMTS Network*”, **Wireless Personal Communication**, 110(1), 2020, pp. 467-483. doi.org/10.1007/s11277-019-06737-9
- Senthilkumar K, Palanivelan M, **Noor Mohammed V**, Helanvidhaya T, Yogalakshmi V, Bakayalakshmi V “*On the performance of code word diversity based quasi orthogonal space time block codes in multiple-input-multiple-output systems*”, **International Journal of Electrical and Computer Engineering**, 10(3), 2020, pp. 2535-2542.
- A. Dhariwal and **V Noor Mohammed**, “*Metamorphosis of 5G Wireless Communication: A Review*”, **Telecommunication and Radio Engineering**, 78 (17), 2019, pp.1567-1588.
- M Palanivelan, **V Noor Mohammed**, M Lakshmanan, “*WARP Implementation of Sliding Taxicab NORM Transform Technique for PAPR Reduction in OFDM system*”, **Telecommunication and Radio Engineering**, 78(13), 2019, pp.1143-1165.

- S Prabhu, M Lakshmanan and **V Noor Mohammed**, “*A Multimodal Authentication for Biometric Recognition System using Intelligent Hybrid Fusion Techniques*”, **Journal of Medical Systems**, 43:249, 2019, pp.1-9.
- Velmurugan T, Prakasam P, **Noor Mohammed V** and Saravanan K, “*Smart Carbage Monitoring and Navigation System using IoT*”, **International Journal on Innovation Technology and Exploring Engineering (IJITEE)**, 8(11), 2019, pp.3992-3996.
- S Nandakumar, T Velmurugan, **V Noor Mohammed**, P Sasikumar and K S Preetha, “*Optimizing the Vertical Handoff Decision Making Algorithm in 4G*”, **ARPN Journal of Engineering and Applied Sciences**, 13(3),2018, pp. 947-953.
- **V Noor Mohammed**, N. Srinatha, P. S Mallick, L Nithyanandan, “*Interference mitigation in Uplink STBC MC CDMA System Based on PIC receiver*”, **Radio Electronics and Communication System**, 60(11), 2017, pp.628-639
- **V Noor Mohammed**, M Lakshmanan, S.K Jayanth prabhu, S Nandakumar,T. Velmurugan and M Palanivelan, “*Analysis of ICI Cancellation in MC CDMA system using self cancellatin and extended Kalman filter method*”, **Telecommunication and Radio Engineering**, 76(07), 2017, pp.595-605.
- **V Noor Mohammed**, M Lakshmanan, M Palanivelan, Ankur Kar, P Tripathy, “*Mitigation of interference in MIMO Multicarrier CDMA system using sub carrier self cancellation for CFO compensation*”, **Telecommunication and Radio Engineering**, 75(13), 2016, pp.1153-1165.
- M. Lakshmanan, **V Noor Mohammed**, M. Palanivelan, M.V.C. Vamsikrishna. “*Channel Estimation for MISO OFDM System Using Improved Cyclic Delay Diversity*”, **Telecommunication and Radio Engineering**, 75(05), 2016, pp.425-440.
- Palanivelan M, Sheila Anand, M. Lakshmanan, **V Noor Mohammed**. “*Transform Based Approach For Peak to Average Power Ratio Optimization in MIMO-OFDM Broadband Wireless System*”, **International Journal of Advanced Engineering Technology**, 7(01), 2016, pp.638-641.
- **Noor Mohammed V**, P.S. Mallick, L. Nithyanandan, Aditya Kabra “*Performance Enhancement of PIC based STBC coded MC CDMA by MAI reduction using Binary Orthogonal Complementary Sequence*” **Telecommunication and Radio Engineering**, 74(11), 2015, pp.999-1012.
- **Noor Mohammed V**, P.S. Mallick, L.Nithyanandan, Srujan Dharmagadda, M Surendra Kumar, M. Palanivelan “*NORM Technique based PAPR reduction in MC CDMA system*”, **Journal of Information Communication Technology (ICT) research and application**, 9(2), 2015, pp.129-147.
- **Noor Mohammed V**, P.S. Mallick, L. Nithyanandan, N. Sricharan, “*MAI mitigation using V-BLAST and PIC based binary orhtogonal code spreaded Multi Antenna MC CDMA system*”, **International Journal on Communication, Antenna Propagation**, 5(3), 2015, pp.138-143.
- **Noor Mohammed V**, P.S. Mallick, L. Nithyanandan, Mohit Asrani, Mayank S, Aditya A Kabra “*De Bruijn Sequence based Peak Power Control and Interference Mitigation using MC CDMA System*”, **Journal of Engineering Science and Technology**, 10(8), 2015, pp.972-981.

## **Publications in National/International Conferences:**

- “Smart Sectorization in Device-to-Device communication”, Sukriti Gautam, Prasun Ambastha, Rishabh Jain, **Noor Mohammed V**, IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking 2019 (ViTECoN’19), Vellore Institute of Technology, Vellore, March, 2019.
- “Handoff Mechanism in LTE Networks”, Preeti Lal, Vidhu Yamini, **Noor Mohammed V**, Proceeding of IOP Conference Series: Material Science and Engineering, 263,2017,pp.1-12.
- “Performance Analysis of Pattern Division Multiple Access Techniques in SIC and PIC Receiver”, Ruban Singh R, **Noor Mohammed V**, M. Lakshmanan, M. Palanivelan. Published in the proceeding of IEEE International Conference on Circuit Power and Computing Technology (ICCPCT-2017) held at Baselios Mathews II College of Engg, Lake View, Muthupilakadu,Sasthamcotta, Kerala, India.
- “Optimized Allocation of Resources of D2D Communication”, Aparna Mukherjee, Debasamita Basu, **Noor Mohammed V**, M. Lakshmanan, M. Palanivelan. Published in the proceeding of IEEE International Conference on Innovations in Information Embedded and Communication Systems(ICIIECS-2017) held at Karpagam College of Engineering, Coimbatore, TN, India.
- “A Power Allocation Schemes for MIMO Cognitive Radio Networks”, Gholap Deepak Sidram,**Noor Mohammed V**, M. Lakshmanan, M. Palanivelan. Published in the proceeding of IEEE International Conference on Innovations in Information Embedded and Communication Systems(ICIIECS-2017) held at Karpagam College of Engineering, Coimbatore, TN, India.
- “Distance Based Uplink Resource Sharing for Device-to-Device Communication” Rajkumar. N, Lakshmanan. M, **Noor Mohammed. V**, Palanivelan. M, Published in the proceeding of IEEE International Conference on Electronics and Communication Systems (ICECS-2017) held at Karpagam College of Engineering, Coimbatore India. pp
- “**Analysis of Spectrum Sensing in Cognitive Radio**”- Kale Santosh, , **Noor Mohammed V**, Lakshmanan M, Palanivelan M, Published in the proceedings of IEEE International Conference on Innovation in Information, Embedded and Communication System (ICIIECS -2016) held at Karpagam Innovation Center, Coimbatore, India, pp.1083-1086.
- “**Transmit Antenna Selection in MIMO Cognitive Radio Networks**”- Varsha Honde, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of IEEE International Conference on Innovation in Information, Embedded and Communication System (ICIIECS -2016) held at Karpagam Innovation Center, Coimbatore, India, pp.848-852.
- “**Analysis of Call Admission Control Algorithm in WiMAX Networks**”- Chancal J Modani, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of IEEE International Conference on Innovation in Information, Embedded and Communication System (ICIIECS -2016) held at Karpagam Innovation Center, Coimbatore, India, pp.475-479.

- **“Energy Control in 4G Networks”**- P. Siva Kumar, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of International Conference on Emerging Trends in Electronics Communication and Computing Technology (ICONTECH -2016) held at SCSVMV University, Kanchipuram, India, pp.156-160.
- **“Spectrum Sharing and Inter-cell Interference Mitigation in Wireless Cellular Networks”**- P. Shinde Ajay, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of International Conference on Emerging Trends in Electronics Communication and Computing Technology (ICONTECH -2016) held at SCSVMV University, Kanchipuram, India, pp.150-155.
- **“Spectrum Sensing in Cognitive Radio Networks over Fading Channel”** – Sonal Ghadge, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of Third International Conference on Green Technologies for Power Generation, Communication & Instrumentation (ICGPC-2016) held at St. Peter’s University, Chennai, India.
- **“Outage Analysis of co-operative and Non Co-operative Communication in Interference Limited Wireless Networks”** – Vasundhara, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of Third International Conference on Green Technologies for Power Generation, Communication & Instrumentation (ICGPC-2016) held at St. Peter’s University, Chennai, India.