

PAPERS PUBLISHED/SELECTED FOR PUBLICATION

2024:

1. S. Verma, S. K. Sheoran and R. K. Sheoran, "Machine Learning Supported Quantum Gradient Descent Optimization for Optimal Quantum Error Correction" [\[Communicated to Chinese Journal of Physics\]](#).
2. S. Verma, S. K. Sheoran and R. K. Sheoran, "Performance Evaluation of Quantum Neural Networks for Quantum Error Correction" [\[Communicated in International Journal of Information Technology and Electrical Engineering – UGC CARE\]](#)
3. S. Verma, S. K. Sheoran and R. K. Sheoran, "Performance Analysis of Quantum Kernels for QSVM Classifier" [\[Communicated in International Journal of Information Technology and Electrical Engineering – UGC CARE\]](#)
4. S. Verma, S. K. Sheoran and R. K. Sheoran, "DDQOpt: A Double Deep Q-Learning-based Hybrid Proximal Policy Optimizer for Effective Semion Decoding" [\[Communicated in Journal of Rajasthan Academy of Physical Sciences – UGC CARE\]](#)
5. S. Verma, S. K. Sheoran and R. K. Sheoran, "A Hybrid Quantum Machine Learning Model for Optimal Quantum Error Correction in Surface Codes" [\[Communicated in International Journal of Information Technology and Electrical Engineering – UGC CARE\]](#)
6. S. Verma, S. K. Sheoran and R. K. Sheoran, "Quantum Support Vector Machine for Efficient Bell States Classification" [\[Communicated in Indian Journal of Science & Technology – Web of Science\]](#)
7. S. Verma and R. K. Sheoran, "Quantum Error Correction using Meta Learning Approach," *International Conference on Recent Advances in Materials and Computational Methods (ICRAMCM-2024)*, Department of Physics, Arignar Anna Government Arts and Science College, Karaikal, UT of Puducherry, Oct. 23-24, 2024. **[conference paper]**
8. S. Verma and R. K. Sheoran, "Simulation of Quantum Non-Locality with 4-Qubits," *International Conference on Recent Advances in Materials and Computational Methods (ICRAMCM-2024)*, Department of Physics, Arignar Anna Government Arts and Science College, Karaikal, UT of Puducherry, Oct. 23-24, 2024. **[conference paper]**
9. S. Verma and R. K. Sheoran, "Optimization of 2-Dimensional Stabilizer Quantum Error Correction Code with Quantum Deep Learning," *International Conference Recent Advances in Materials & Biological Sciences (ICRAMBS-2024)*, Department of Sciences Centre of Excellence, Govt. College, Sanjauli, Shimla (NP), Nov. 19-20, 2024. **[conference paper]**

10. R. K. Sheoran, S. Verma, S. K. Sheoran, and V. Yadav, "Quantum Computing Research: Ontological Study of the Quantum Computing Research Ecosystem," *Emerging Trends in Cloud Computing Analytics, Scalability, and Service Models*, IGI Global, pp. 236-263, 2023. DOI: 10.4018/979-8-3693-1168-4.ch012, ISBN-13: 9798369309001. **[March, 2024:Book Chapter]**
11. **Scopus Book Chapter**, "Novel approach for crop weed detection in wheat fields using deep learning algorithms: Machine learning for weed detection", Bodhale A., Verma S., *Fostering Cross-Industry Sustainability With Intelligent Technologies*, 2024, pp. 232–246
12. **Scopus Conference Paper & Book Chapter**: "Assessing the Influence of Quality Control and Assurance on Aircraft Maintenance Turnaround Time Reduction: A Regression Modeling Approach", Deepak Chandola, Seema Verma, *Lecture Notes in Mechanical Engineering*, 2024, 162, pp. 553–562
13. **Scopus Conference Paper**: "Weed and Crop Detection in Rice Field Using R-CNN and Its Hybrid Models", Neha Shekhawat, Seema Verma et al, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 2024, 14532 LNCS, pp. 37–49
14. **Article**: "Generic Deep-Learning-Based Time Series Models for Aviation Accident Analysis and Forecasting", Monika, Seema Verma, Pardeep Lamba, *SN Computer Science*, 2024, 5(1), 32
15. PiCET 2024 paper: "Enhanced Image Classification through Customized Convolutional Spiking Neural Network", Ashok Kumar Saini, Naveen Gehlot, Rajesh Kumar and Seema Verma [Accepted, presented]
16. "WeedSpotter: An Advanced Deep Learning Approach for Field Weed Recognition", Akanksha Bodhale, Seema Verma is recommended by reviewers for oral presentation in ICIT – 2024 [accepted]
17. **Scopus Conference Paper**, "Weed Localization: Comparison of Different Transfer Learning Models with U-Net", Seema Verma, Neha, Filbert, Juano et al, *Lecture Notes in Electrical Engineering* This link is disabled., 2024, 1191 LNEE, pp. 1–14

2023:

1. Review • *Open access*: "Machine learning for weed–plant discrimination in agriculture 5.0: An in-depth review", Seema Verma et al, *Artificial Intelligence in Agriculture*, 2023, 10, pp. 13–25
2. **Book Chapter**: "A survey of weed identification using convolutional neural networks", Seema Verma et al, *Handbook of Research on Applications of AI, Digital Twin, and Internet of Things for Sustainable Development*, 2023, pp. 381–403
3. Monika, **Verma, S.**, Kumar, P., "Intelligent Vision Based Decision Making System for Aviation Accidents and Incidents", (2023) *Journal of Universal Computer Science*, 29 (7), pp. 718-737. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167425022&doi=10.3897%2fjucs.96013&partnerID=40&md5=80fdb10ea2f61916d8a67d880075cddb>
DOI: 10.3897/jucs.96013

4. Article • *Open access*: “Statistical Analysis to Evaluate the Impact of Quality Control and Quality Assurance on the Aircraft Maintenance Turnaround Time”, Deepak Chandra Chandola, seema verma et al, *International Journal of Aviation, Aeronautics, and Aerospace* This link is disabled., 2023, 10(4), 2
5. Chandola, D.C., **Verma, S.**, Jaiswal, K., Chandola, P., Goyat, M., Narvekar, N., “An exploratory study on the significance and challenges of aircraft base maintenance engineering in the aviation industry”, (2023) Proceedings of 3rd IEEE International Conference on Computational Intelligence and Knowledge Economy, ICCIKE 2023, pp. 420-425. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163087655&doi=10.1109%2fICCIKE58312.2023.10131844&partnerID=40&md5=507a8840f031457989a7e3ee02761ac7>
DOI: 10.1109/ICCIKE58312.2023.10131844
6. Chandola, D.C., Chandola, P., **Verma, S.**, Jaiswal, K., “An Exploratory Study to Evaluate Significance of Maintenance Planning in Reducing Aircraft Maintenance Turnaround Time Within Airlines Industry”, (2023) Proceedings of 3rd IEEE International Conference on Computational Intelligence and Knowledge Economy, ICCIKE 2023, pp. 402-407. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163083539&doi=10.1109%2fICCIKE58312.2023.10131888&partnerID=40&md5=f4c8030405cc8dad657f1c4d7cb68da1>
DOI: 10.1109/ICCIKE58312.2023.10131888
7. Monika, **Verma, S.**, Kumar, P., “Wireless Technology Contribution for Aviation Safety”, (2023) Lecture Notes in Electrical Engineering, 892, pp. 181-189. , https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138798692&doi=10.1007%2f978-981-19-1645-8_19&partnerID=40&md5=7666a293b97540386250bc94d707a780
DOI: 10.1007/978-981-19-1645-8_19
8. Yadav, Amrita, Anshuman Shastri, Verma, Seema, "Experimental Analysis of ACO with Modified Firefly and Modified Genetic Algorithm for Routing in FANETs", Lecture Notes in Electrical Engineering 892, pp. 81-87[*Lecture Notes in Electrical Engineering* Volume 892, Pages 81 - 87 2023 5th International Conference on Optical and Wireless Technologies, OWT 2021 Virtual, Online 9 October 2021 through 10 October 2021 Code 283209]
9. Jitendra Pandey, **Seema Verma**, Dr. Alavikunhu Panthakkan, paper #1570853223 ('Data Analytics and Knowledge Management in a Learning Environment for Higher Education') for ICSPIS'2022 has been accepted for presentation at the 2022 5th International Conference on Signal Processing and Information Security (ICSPIS), 7-8 December, 2022[**Scopus Conf., Presented**]
10. Akanksha Bodhale, **Seema Verma**, Dr. Alavikunhu Panthakkan, “Comparative Analysis of Fine-tuned and Transfer Learning Model for Plant Disease Detection”, for ICSPIS'2022 has been accepted for presentation at the 2022 5th International Conference on Signal Processing and Information Security (ICSPIS) 7-8 December, 2022[**Scopus Conf., Presented**]

11. **Seema Verma**, Dr. Alavikunhu Panthakkan, Najiya, “Performance Comparison of Credit Card Fraud Detection System using Machine Learning”, for ICSPIS'2022 has been accepted for presentation at the 2022 5th International Conference on Signal Processing and Information Security (ICSPIS) 7-8 December, 2022[**Scopus Conf., Presented**]
12. “Water Quality Prediction using Artificial Intelligence and Machine learning Algorithms”, Jitendra Pandey, **Seema Verma**, article is published in Mathematical Statistician and Engineering Applications Vol. 71 No. 4 (2022)
Link of paper: <https://philstat.org.ph/index.php/MSEA/article/view/1209>
13. “Wireless Technology Contribution for Aviation Safety”, Monika, **Seema Verma** & Pardeep Kumar, Conference paper, International Conference on Optical and Wireless Technologies OWT 2021: Optical and Wireless Technologies pp 181–189, Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 892)
14. “Experimental Analysis of ACO with Modified Firefly and Modified Genetic Algorithm for Routing in FANETs”, Yadav, A., Shastri, A., **Verma, S.**, Conference paper, International Conference on Optical and Wireless Technologies OWT 2021: Optical and Wireless Technologies pp 81-87, Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 892)

2022:

1. Kumar, Pardeep, Verma, Seema, “Implementation of modified OLSR protocol in AANETs for UDP and TCP environment”, *Journal of King Saud University - Computer and Information Sciences* Open Access Volume 34, Issue 4, Pages 1305 - 1311 April 2022

2. Augmenting Driver’s Situational Awareness using Smartphones in VANETs

Chhabra, R., Krishna, C.R., Verma, S., *Arabian Journal for Science and Engineering*, 2022, 47(2), pp. 2271–2288

2. Hybrid probabilistic triple encryption approach for data security in cloud computing, **Kulshrestha, V., Verma, S., Krishna, C.R.**, *International Journal of Advanced Intelligence Paradigms*, 2022, 21(1-2), pp. 158–173

3. Water Quality Analysis and Prediction Techniques Using Artificial Intelligence

Pandey, J., Verma, S., *Smart Innovation, Systems and Technologies*, 2022, 248, pp. 279–290

4. Aviation MRO: A comprehensive review of factors affecting productivity of Aircraft Maintenance Organization

Chandola, D.C., Jaiswal, K., Verma, S., Singh, B., 2022 Advances in Science and Engineering Technology International Conferences, ASET 2022, 2022

5. Analysis Of Future Aircraft Maintenance Technicians' (AMT) Skills And Factors Affecting The Readiness Of The Aircraft Maintenance Training Industry

Mishra, A., Verma, S., Jaiswal, K., 2022 Advances in Science and Engineering Technology International Conferences, ASET 2022, 2022

6 .Implementation of modified OLSR protocol in AANETs for UDP and TCP environment

Kumar, P., Verma, S., Journal of King Saud University - Computer and Information Sciences, 2022, 34(4), pp. 1305–1311

7. A Comprehensive Study of Page-Rank Algorithm

Solanki, S., Verma, S., Chahar, K., Smart Innovation, Systems and Technologies, 2022, 267, pp. 1–10

8. Paper submitted by Akanksha, amrita, monika, Jitendra, neha
Chapters submitted by neha, rakesh

2021:

1. “Automatic segmentation of plantar thermograms using adaptive C means technique”, Madhava Prabhu, S., Verma, S., International Journal of Electrical and Computer Engineering, 2021, 11(2), pp. 1250–1258 [**Scopus Journal**]
2. “A Comparative Overview of Accident Forecasting Approaches for Aviation Safety”, Monika, Verma, S., Kumar, P., Journal of Physics: Conference Series, 2021, 1767(1), 012015 [**Scopus Journal**]
3. “Modeling of shallow extension engineered dual metal surrounding gate (SEE-DM-SG) MOSFET gate-induced drain leakage (GIDL)”, Goel, A., Rewari, S., Verma, S., Gupta, R.S. Indian Journal of Physics, 2021, 95(2), pp. 299–308 [**SCI Journal**]
4. “Dielectric Modulated Junctionless Biotube FET (DM-JL-BT-FET) Bio-Sensor”, Goel, A., Rewari, S., Verma, S., Deswal, S., Gupta, R., IEEE Sensors Journal, 2021, DOI: 10.1109/JSEN.2021.3077540, ISSN 1530437X

5. "An attention arousal space for mapping twitter data", **Rajput, D., Verma, S., Lecture Notes in Electrical Engineering, 2021, 661, pp. 381–395**
6. "Novel Dual-Metal Junctionless Nanotube Field-Effect Transistors for Improved Analog and Low-Noise Applications", **Goel, A., Rewari, S., Verma, S., Gupta, R.S.** Journal of Electronic Materials, 2021, 50(1), pp. 108–119[**SCI Journal**]
7. "A Stacking Model for Aviation High Risk Event Decision Making", **Monika., Verma, S., Kumar, P., Kakran, M., Journal of Physics: Conference Series, 2021, 1950(1), 012069**
8. "A survey on state-of-the-art road surface monitoring techniques for intelligent transportation systems", **Chhabra, R., Krishna, C.R., Verma, S., International Journal of Sensor Networks, 2021, 37(2), pp. 81–99**
9. "An improved firefly algorithm for routing in flying ad hoc networks", **Yadav, A., Verma, S., International Journal of Communication Networks and Distributed Systems, 2021, 27(3), pp. 282–298**
10. "Augmenting Driver's Situational Awareness using Smartphones in VANETs", **Chhabra, R., Krishna, C.R., Verma, S., Arabian Journal for Science and Engineering, 2021**

2020:

1. Madhava Prabhu, S., Verma, S., "A Comprehensive Survey on Implementation of Image Processing Algorithms using FPGA", 2020 5th IEEE International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2020 - Proceeding, 2020, 9358384 [**Scopus Conference**]
2. A Goel¹ *, S Rewari¹ , S Verma² and R S Gupta¹, "Physics based Analytic Modeling and Simulation of Gate-Induced-Drain-Leakage and Linearity Assessment in Dual-Metal Junctionless Accumulation Nano-Tube FET (DM-JAM-TFET)", Applied Physics A: Materials Science and Processing Volume 126, Issue 5, 1 May 2020, Article number 346 [**SCI Journal**]
3. A Goel¹ *, S Rewari¹ , S Verma² and R S Gupta¹, "High-K Spacer Dual-Metal Gate Stack Underlap Junctionless Gate All Around (HK-DMGS-JGAA) MOSFET for high frequency applications", Microsystem Technologies, Volume 26, Issue 5, 1 May 2020, Pages 1697-1705, [**SCI Journal**]
4. Pardeep Kumar, Seema Verma, "Analysis of OLSR and GPSR Routing Protocols in Airborne Networks for UDP and TCP Environment", Advances in Intelligent Systems and Computing Volume 1053, 2020, Pages 205-215, 3rd International Conference on Soft Computing: Theories and Applications, SoCTA 2018; Jalandhar; India; 21 December 2018 through 23 December 2018; Code 237789 .[Scopus Conference Paper] **Springer** Advances in Intelligent Systems and Computing, Volume 1053, 2020, Pages 205-215; **ISSN:** 21945357, **ISBN:** 978-981150750-2; **DOI:** 10.1007/978-981-15-0751-9_19 [**Scopus Conf Paper; Springer**]
5. A Goel¹ *, S Rewari¹ , S Verma² and R S Gupta¹, "Modeling of shallow extension engineered dual metal surrounding gate (SEE-DM-SG) MOSFET gate-induced drain

- leakage (GIDL)", Indian Journal of Physics, (2020), 1-10, <http://link.springer.com/article/10.1007/s12648-020-01704-8>; ISSN: 09731458, DOI: 10.1007/s12648-020-01704-8 [SCI Journal, Springer]
6. Pardeep Kumar, Seema Verma, "Hardware Implementation of OLSR and Improved OLSR (AOLSR) for AANETs", accepted for publication in the International Journal of Grid and Utility Computing. [Scopus Journal Paper; Inderscience]
 7. Divya Rajput and Seema Verma, "An Attention Arousal Space for Mapping Twitter Data", presented and published ICEEE 2020: International Conference on Electrical and Electronics Engineering NPTI HQ (Govt. of India) NCR New Delhi, India, February 28-29, 2020 [Conference: Springer Nature under Scopus Indexed LNEE Series (Approved)] Springer Lecture Notes in Electrical Engineering, Volume 661, 2021, Pages 381-395, ISSN: 18761100, ISBN: 978-981154691-4; DOI: 10.1007/978-981-15-4692-1_29 [Scopus Conf Paper; Springer]
 8. Kulshrestha, V., Verma, S., Challa, R.K., "Hybrid Chaining Security Approach in Cloud Computing", 3rd International Conference on Optical and Wireless Technologies, OWT 2019; Jaipur; India; 16 March 2019 through 17 March 2019; Code 239399, Springer Lecture Notes in Electrical Engineering, Volume 648, 2020, Pages 641-648, ISSN: 18761100, ISBN: 978-981152925-2, DOI: 10.1007/978-981-15-2926-9_70 [Scopus Conf Paper; Springer]
 9. Smita Jhajharia, Seema Verma, Rajesh kumar, "An Amalgamated Prediction Model for Breast Cancer Detection using Fuzzy Features", International Journal of Medical Engineering and Informatics, Volume 12, Issue 4, 2020, Pages 345-356, ISSN: 17550653 [SCOPUS Journal Paper: Inderscience]
 10. S. Jhajharia, S. Verma, R. Kumar. [2019]. A Comparative Study for Improved Hospital based Cancer Registry for Early Stage Prediction of Breast Cancer with Highest Accuracy. IJMEI-219192, International Journal of Medical Engineering and Informatics, Inderscience; <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijmei> [SCOPUS Journal Paper] Selected for vol. 12, No. 5, 2020, pp 515
 11. S. Jhajharia, S. Verma, R. Kumar. [2019]. "Nature of Life and Survivability of Women and Men with Breast Cancer" International Journal of Advanced Intelligence Paradigms [Inderscience Journal] [SCOPUS JOURNAL, selected] Selected for 2020, vol. 17, No. 1/2
 12. Debasmita Ghosh Roy, Seema Verma, Rajesh Kumar, "A Review on Infertility Susceptibility and Assisted Reproductive Technology Outcome Using Machine Learning Techniques", [Submitted]

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1. Anubha Goel, Sonam Rewari, Seema Verma, R.S. Gupta, "High-K Spacer Dual-Metal Gate Stack Underlap Junctionless Gate All Around (HK-DMGS-JGAA) MOSFET for high frequency applications", Microsyst Technol (2019). <https://doi.org/10.1007/s00542-019-04715-6>. [SCI, SCOPUS Journal Paper]
2. Amrita Yadav, Seema Verma, "A review on Artificial Intelligence inspired Routing Algorithms for Flying Adhoc Networks", International Conference on Communication & Intelligent Systems to be held on 9th-10th Nov at SKIT. [Abstract Published in Proceedings, Oral Presentation]
3. Seema Verma, "Cyber Security Awareness Amongst Students", Chapter 10, pp. 149-153, Handbook for Students, Published by CBSE, Delhi, 2019 November [Book Chapter]

4. Anubha Goel, Sonam Rewari, Seema Verma, R.S.Gupta , “Shallow Extension Engineered Dual Material Surrounding Gate (SEE-DM-SG) MOSFET for improved gate leakages, analysis of circuit and noise performance”, AEU - International Journal of Electronics and Communications Volume 111, November 2019, 152924
[<https://doi.org/10.1016/j.aeue.2019.152924>] [**SCI, SCOPUS Journal Paper**]
5. Pardeep Kumar, Seema Verma, “Implementation of Modified OLSR protocol in AANETs for UDP and TCP Environment”, Journal of King Saud University - Computer and Information Sciences [2019] doi : <https://doi.org/10.1016/j.jksuci.2019.07.009>
[**ESCI, SCOPUS Journal Paper, Elsevier**]
6. Jaiswal, K., Dalkilic, S., **Verma, S.**, Singh, B.; “Aviation MRO: A Case Study of Social Psychology Elements of Human Factor Affecting Work Performance”, (2019) 2019 Advances in Science and Engineering Technology International Conferences, ASET 2019, art. no. 8714435; DOI: 10.1109/ICASET.2019.8714435; [**SCOPUS, Conference Paper**]
7. Madhava Prabhu, S., **Verma, S.** [2019]. Comparative analysis of segmentation techniques for progressive evaluation and risk identification of diabetic foot ulcers. 2019 4th MEC International Conference on Big Data and Smart City, ICBDS 2019. Article No. 8645591.DOI: 10.1109/ICBDSC.2019.8645591; [**SCOPUS, Conference Paper**]
8. Madhava Prabhu, S., Verma, S.[2019]. A Systematic Literature Review for Early Detection of Type II Diabetes. 2019 5th International Conference on Advanced Computing and Communication Systems, ICACCS 2019; [**SCOPUS, Conference Paper**]
9. Kumar, P., **Verma, S.** [2019]. Research Challenges in Airborne Ad-hoc Networks (AANETs). Lecture Notes in Networks and Systems. Volume 46. Pp 261-270. DOI: 10.1007/978-981-13-1217-5_26 [**SCOPUS, BOOK Chapter**]
10. Madhukar, M., **Verma, S.** [2019]. Hybrid Kmeans with improved bagging for semantic analysis of tweets on social causes. Advances in Intelligent Systems and Computing. Vol. 808; pp 197-208; DOI: 10.1007/978-981-13-1402-5_15; [**Scopus, Conference Paper**]
11. Chhabra, R., **Verma, S.**, Rama Krishna, C. [2019]. Detecting Aggressive Driving Behavior using Mobile Smartphone. Lecture Notes in Networks and Systems. Vol. 46, pp. 513-521; DOI: 10.1007/978-981-13-1217-5_49; [**SCOPUS, BOOK Chapter**]
12. Goel, A., Rewari, S., **Verma, S.**, Gupta, R.S. [2019]. Temperature-Dependent Gate-Induced Drain Leakages Assessment of Dual-Metal Nanowire Field-Effect Transistor - Analytical Model. IEEE Transactions on Electron Devices. Vol. 66; issue 5; article no. 8681278; pp.2437-2445; DOI: 10.1109/TED.2019.2898444; Print ISSN: 0018-9383 [**SCI, SCOPUS JOURNAL ARTICLE**]

13. Sandhya Singh, Krishnanjan Bhattacharjee, Hemant Darbari, **Seema Verma**. [2019]. Analyzing Coreference Tools for NLP Application. International Journal of Computer Sciences and Engineering (e-ISSN: 2347-2693). Vol.7. Issue 5. Pp. 652-659.; CrossRef-DOI: <https://doi.org/10.26438/ijcse/v7i5.652659> [**UGC Approved Journal 63193**]
14. Sandhya Singh, Krishnanjan Bhattacharjee, Hemant Darbari, **Seema Verma**. [2019]. Towards Better Single Document Summarization using Multi-Document Summarization Approach. International Journal of Computer Sciences and Engineering (e-ISSN: 2347-2693). Vol.7. Issue 5. Pp. 741-749; CrossRef-DOI: <https://doi.org/10.26438/ijcse/v7i5.741749> [**UGC Approved Journal 63193**]
15. Kamal Jaiswal, **Seema Verma**, Balgopal Singh. [2019]. AVIATION: A CASE OF MULTICULTURAL, MULTINATIONAL INDUSTRY. IJRAR - INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS. , Volume 6, Issue 1 www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138), pp 104-110 [**UGC approved journal 43602**]
16. Chhabra, R., **Verma, S.**, Krishna, C.R. [2019]. Smartphone Based Context-Aware Driver Behavior Classification using Dynamic Bayesian Network. Journal of Intelligent & Fuzzy Systems[IF 1.45]. Accepted and will be published in may, 2019, ISSN 1064-1246 (P) ISSN 1875-8967 (E), <https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press?start=30&rows=100> [**ESCI Journal Paper**]
17. Pardeep Kumar, **Seema Verma**. [2019]. Routing Protocols in Airborne Ad-hoc Networks (AANETs): A Study”, International Journal of Computer Sciences and Engineering (**UGC Approved 44816**), ISSN: 2347-2693). (Accepted)
18. Pardeep Kumar, **Seema Verma**. [2019]. Analysis of Adaptability of Mobility Models for AANETs. International Journal of Research in Electronics and Computer Engineering (**UGC Approved 44816**), ISSN: 2348-2281) (Accepted)
19. Vartika Kulshrestha_, **Dr.Seema Verma_** and Dr.C.Rama K.Challa. [2019]. Hybrid Probabilistic Triple Encryption (HPRRA) Approach for Data Security in Cloud Computing. accepted for publication in the International Journal of Advanced Intelligence Paradigms. <https://www.inderscience.com/info/ingeneral/forthcoming.php?icode=ijaip> [**Inderscience, SCOPUS Journal Paper**]**Selected**
20. Solanki, Surabhi and **Verma, Seema**. [2019]. A Study of the Use of Information & Communication Technology in Disseminating Farm Information to Farmers in India. pp.- 349-356, Scopus (Elesvier). Available at SSRN: <https://ssrn.com/abstract=3351795> or <http://dx.doi.org/10.2139/ssrn.3351795> [**Scopus Conference Paper**]
21. Solanki, Surabhi ,**Verma, Seema**, and Chahar, Kishore. [2019]. A Comparative Study of Information Retrieval using Machine Learning.(April 13-14, 2019). Proceedings of International Conference on Advancements in Computing and Management 2019(ICACM 2019), Jagan Nath University, Jaipur , Scopus (Springer).(Soon reflected in springer digital library). [**Scopus Conference Paper**]

22. **Seema Verma**, Vartika Kulshreshtha. [2019]. Role of trust in the ubiquitous healthcare system: Challenges and opportunities. Book Chapter accepted for publication in Elsevier book “~~Embedded Sensors in U-Healthcare~~”, in *Sensors for Health Monitoring*, 1st ed., Vol. 5, Elsevier, 2019. (**Elsevier Book Chapter**) September 2019 In book: *Sensors for Health Monitoring* Volume 5; Publisher: Elsevier; **Editors:** Nilanjan Dey Jyotismita Chaki Rajesh Kumar **Paperback ISBN:** 9780128193617 ; **Imprint:** Academic Press ;**Published Date:** 2nd September 2019 ;**Page Count:** 250
- ~~23. Vartika Kulshreshtha, Seema Verma and C. Rama K., “Hybrid Probabilistic Triple Encryption Approach for Data Security in Cloud Computing,” accepted for publication in *International Journal of Advanced Intelligence Paradigms*, Inderscience, September 2019. **ISSN: 1755–0394 (Online) / 1755–0386 (Print)**~~
24. Anubha Goel, Sonam Rewari, **Seema Verma** and R.S.Gupta. [2018]. Dielectric Modulated Triple Metal Gate All Around MOSFET (TMGAA) for DNA Bio-Molecule Detection., 2018 IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON),The Pride Hotel, Kolkata,24-25November, 2018,Organized by IEEE EDS Kolkata Chapter, EDKCON 2018,Kolkata, India. [**Proceedings indexed in IEEE & Scopus Conference paper in 2019**]

2018:

1. Jaiswal, K., **Verma, S.**, Singh, B. [2018]. Preparing to lead the bandwagon: A case of growing Indian aviation industry. 2018 Advances in Science and Engineering Technology International Conferences, ASET 2018. Pp 1-8, DOI: 10.1109/ICASET.2018.8376821; [**Scopus Conference Paper**]
2. Jaiswal, K., Al-Mahadin, A., **Verma, S.**, Singh, B. [2018]. Safety culture in aircraft maintenance organizations of United Arab Emirates. 2018 Advances in Science and Engineering Technology International Conferences, ASET 2018. Pp. 1-7., DOI:10.1109/ICASET.2018.8376809 [**Scopus Conference Paper**]
3. Faridi, M., **Verma, S.**, Mukherjee, S. [2018]. Integration of GIS, Spatial Data Mining, and Fuzzy Logic for Agricultural Intelligence. *Advances in Intelligent Systems and Computing*. Vol.583, pp. 171-183; DOI: 10.1007/978-981-10-5687-1_16 [**Scopus Conference Paper**]
4. Faridi, M., **Verma, S.**, Mukherjee, S. [2018]. An agricultural intelligence decision support system: Reclamation of wastelands using weighted fuzzy spatial association rule mining. *Smart Innovation, Systems and Technologies*. Vol. 83, pp. 551-559, DOI: 10.1007/978-3-319-63673-3_66 [**Scopus Conference Paper**]
5. Anubha Goel, Sonam Rewari, **Seema Verma** and R.S.Gupta. [2018]. Shallow Extension Engineered Dual Metal Surrounding Gate (SEE-DM-SG) MOSFET for lower leakages and Submillimeter Wave Applications. 12th INDIACOM; 2018 5th IEEE International Conference on Computing for Sustainable Global Development, BVICAM, 14-16 March, 2018, New Delhi, India. [**Proceedings indexed in IEEE**]
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