

**Noida Institute of Engineering & Technology,**  
19, Knowledge Park-II, Institutional Area, Greater Noida  
**Department of Electronics & Communication Engineering**

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**Academic Session (2020-2021)**

**International/National Journals**

1. Sonal Gupta, Binod Kumar Kanaujia, ChhayaDalela, &**ShilpeePatil**, Design Of Circularly Polarized Antenna Using Inclined Fractal Defected Ground Structure For S-Band Applications, Electromagnetics Sep 2020 (SCI).
2. Sonal Gupta, Binod Kumar Kanaujia, ChhayaDalela, &**ShilpeePatil**, Analysis and design of inclined fractal defected ground based circularly polarized antenna for CA-band applications, Int. Journal of Microwave & Wireless Tech. (Sept, 2020)(SCI)
3. **ShilpeePatil**, A.K. Pandey, **V.K. Pandey**, A Compact, Wideband, Dual Polarized CPW-Fed Asymmetric Slot Antenna for Wireless Systems" Journal of Microwaves, Optoelectronics and Electromagnetic Applications (JMoe),(Sept, 2020)(SCOPUS)
4. AlkaVerma, Anil Kumar Singh, Neelam Srivastava, **ShilpeePatil** and Binod Kumar Kanaujia, "Performance enhancement of circularly polarized patch antenna using slotted circular EBG-based metasurface", FrequenzOct. 2020 (SCI)
5. A. Verma, A. K. Singh, NeelamSrivastava, **ShilpeePatil**& B.K. Kanaujia, A Compact Circularly Polarized modified printed monopole antenna for Wireless Applications, (February, 2020)(SCI)
6. Ghanshyam Singh, Binod Kumar Kanaujia, **Vijay Kumar Pandey**, Deepak Gangwar& Sachin Kumar, "Hexa – Band Pattern Reconfigurable Antenna with Defected Ground Plane", International Journal of Electronics, Taylor & Fr. Jan 2021. (SCI)
7. Vinay Mohan, A. K. Gautam, **S. D. Choudhary**, M. K. Mariam Bee, R. Puviarasi, S. Saranya, Niraj Agrawal, "Enhanced Performance Organic Light Emitting Diode With CuI:CuPC Composite Hole Transport Layer", IEEE transaction on Nanotechnology 2020. (SCI)
8. **Surya D. Choudhary**, Abhiruchi Srivastava, **Manish Kumar**, "Design of Single – fed Dual – Polarized Dual – Band Slotted Patch Antenna for GPS and SDARS Applications", Microw Opt TechnolLett. 2020. (SCI)
9. Jay Kant Pratap Singh Yadav, ZainualAbdinJaffery, **Laxman Singh**, "A Short Review on Machine Learning Techniques Used for Fingerprint Recognition", Journal of Critical Reviews, ISSN- 2394-5125 Vol 7, Issue 13, 2020. (SCOPUS)
10. ShyamBabooBambiwal, AbhijeetUpadhya, Rajveer Singh Yaduvanshi, **VijayKumar Pandey**, "Partial relay selection for combating the effects of co-channel interference in RF/FSO cooperative relaying" Optics communication.2020 (SCI)
11. Ghanshyam Singh, Binod Kumar Kanaujia, **Vijay Kumar Pandey**, Sachin Kumar, "Quad – Band multi – polarized antenna with modified electric – inductive – capacitive

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- resonator”, International Journal of Microwave and Wireless Technologies, pp. 1 – 12, 15 February 2021 (SCI)
12. Pankaj Kumar, **Niraj Agrawal**, **V. K. Pandey**, A. K. Gautam, S. K. Sharma, **SD Chaudhary**, “Highly – Efficient OLED with cesium fluoride electron injection layer”, Solid-State Electronics, Volume 183, May 2021 (SCI)
  13. DeeptiGautam, **Anshuman Singh**, “Resourceful Fast Discrete Hartley Transform to Replace Discrete Fourier Transform with Implementation of DHT Algorithm for VLSI Architecture”, Turkish Journal of Computer and Mathematics Education, Vol.12 No.10 (2021), pp. 5290-5298 (SCOPUS)
  14. **Dhananjay Singh**, **Surya DeoChoudhary**, B. Mohapatra, “Design of Rectangular C-Slot Patch Antenna at 2.95 GHz and 4.32 GHz for Next Generation Network”, J. Math. Comput. Sci. 11 (2021), No. 2, pp. 2123-2135 (SCOPUS)
  15. **Dhananjay Singh**, **Surya DeoChoudhary**, B. Mohapatra, “Design and Fabrication of Millimeter Wave Microstrip Antenna for NGN Applications” International Journal of Microwave and Optical Technology, Vol.16, No.3, May 2021 (SCOPUS)
  16. **Dhananjay Singh**, **Surya DeoChoudhary**, B. Mohapatra “Design of Microstrip Patch Antenna for Ka-Band (26.5-40 GHz) Applications” (ISSN 2214-7853), Materialstoday: Proceedings, Elsevier, Volume-45, Part-2, May 2021, P. 2828-2832, <https://doi.org/10.1016/j.matpr.2020.11.805>. (SCOPUS)
  17. Rajeev Kumar, **Laxman Singh** Rajdev Tiwari, “Path planning for the autonomous robots using modified grey wolf optimization approach”, Journal of Intelligent & Fuzzy Systems, 40 (2021) 9453–9470, ISSN No.1875-8967, 22 April 2021. (SCIE).
  18. Abhiruchi Srivastava, **Surya DeoChoudhary**, Karamjeet Sharma, Shreyansh Jha, Kamlesh Kumar, Taha Butul, **Vinod M. Kapse**, “Microstrip rectangular patch antenna using coplanar parasitic rod elements with substrate integrated feeding line technique”, Journal of Mathematical and Computational Science, ISSN 1927-5307, Vol – 11, No. 4, June 2021. (PEER REVIEWED)
  19. Pankaj Kumar, S.K.Singh, **Surya DeoChoudhary**, “Reliability prediction analysis of aspect-oriented application using soft computing techniques”, Materials Today: Proceedings, Volume 45, Part 2, Pages 2660-2665, May 2021. (SCOPUS)
  20. Pankaj Kumar, Renuka Sharma, **Surya DeoChoudhary**, S. K. Singh, **Vinod M. Kapse** “Predictive analysis of novel coronavirus using machine learning model - a graph mining approach”, J. Math. Comput. Sci, SCIK, ISSN 1927-5307, Volume-11, No-3, May 2021, P. 3647-3662. (PEER REVIEWED)

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**International/National Conference**

1. Amitasingh, S. Pratap Singh, Lakshmanan M., **V. K. Pandey**, “Gain and Delay Simulation for Molecular Communication Using Verilog”, 2<sup>nd</sup> **IEEE** International Conference on Advances in Computing, Communication Control and Networking, 18-19 December 2020 (ICAC3N-20).
2. Amitasingh, S. Pratap Singh, Lakshmanan M., **V. K. Pandey**, “Verilog Implementation of Diffusion Concentration in Molecular Communication”, 2<sup>nd</sup> **IEEE** International Conference on Advances in Computing, Communication Control and Networking, 18-19 December 2020 (ICAC3N-20).
3. SaherJawaid Ansari, **PriyankaVerma**, **Surya Deo Chaudhary**, “High Performance Wallace Tree Multiplier Design using Novel 8-4 Compressor Implementation for Image Processing.”, ICCWC (Springer), 12 June 2021.

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