

Academic Session (2020-2021)

International/National Journals

1. Sonal Gupta, Binod Kumar Kanaujia, Chhaya Dalela, & **Shilpee Patil**, **Design of Circularly Polarized Antenna Using Inclined Fractal Defected Ground Structure for S-Band Applications**, Electromagnetics, Volume 40, Pages 526-540, IF-0.8, Print ISSN: 0272-6343 Online ISSN: 1532-527X, Sep 2020, <https://doi.org/10.1080/02726343.2020.1821336> (SCI).
2. Sonal Gupta, Binod Kumar Kanaujia, Chhaya Dalela, & **Shilpee Patil**, “**Analysis and Design of Inclined Fractal Defected Ground Based Circularly Polarized Antenna for CA-Band Applications**”, Int. Journal of Microwave & Wireless Tech. Volume 13 Issue 4, pp. 397 – 406, IF-1.4, ISSN: 1759-0787 (Print), 1759-0795 (Online), Aug, 2020, <https://doi.org/10.1017/S1759078720001142> (SCI)
3. **Shilpee Patil**, 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), Volume 19 Issue 3, IF-1.062, ISSN online version: 2179-1074, (Sept, 2020) <https://doi.org/10.1590/2179-10742020v19i3827> (SCOPUS)
4. Alka Verma, Anil Kumar Singh, Neelam Srivastava, **Shilpee Patil** and Binod Kumar Kanaujia, “**Performance Enhancement of Circularly Polarized Patch Antenna Using Slotted Circular EBG-Based Metasurface**”, Frequenz, Volume 75 Issue 1-2, IF-1.1, ISSN: 2191-6349, Oct. 2020 <https://doi.org/10.1515/freq-2020-0051> (SCI)
5. A. Verma, A. K. Singh, Neelam Srivastava, **Shilpee Patil** & B.K. Kanaujia, “**A Compact Circularly Polarized Modified Printed Monopole Antenna for Wireless Applications**”, Electromagnetics, Volume 40 Issue 8, Pages 576-593, IF-0.8, Print ISSN: 0272-6343 Online ISSN: 1532-527X, Oct, 2020 <https://doi.org/10.1080/02726343.2020.1838056> (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. Volume 108 Issue 11, Pages 1899-1913, IF-1.3, Print ISSN: 0020-7217 Online ISSN: 1362-3060, Jan 2021. <https://doi.org/10.1080/00207217.2020.1870749> (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, Volume 19, Page(s): 699 – 703, IF-2.4, Print ISSN: 1536-125X Electronic ISSN: 1941-0085, Aug 2020, [10.1109/TNANO.2020.3019096](https://doi.org/10.1109/TNANO.2020.3019096) (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 Technol Lett. Volume 63 Issue 1, Pages 353-360, IF-1.5, Online ISSN:1098-2760 Print ISSN:0895-2477, Aug 2020, <https://doi.org/10.1002/mop.32597> (SCI)
9. Jay Kant Pratap Singh Yadav, Zainual Abdin Jaffery, **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, [10.31838/jcr.07.13.419](https://doi.org/10.31838/jcr.07.13.419) (SCOPUS)
10. Shyam Baboo Bambiwal, Abhijeet Upadhya, Rajveer Singh Yaduvanshi, **Vijay Kumar Pandey**, “**Partial Relay Selection for Combating the Effects of Co-Channel Interference in RF/FSO Cooperative Relaying**” Optics communication. Volume 475, Article 126186, IF-2.4, Print ISSN: 0030-4018 Online ISSN: 1873-0310, November 2020 <https://doi.org/10.1016/j.optcom.2020.126186> (SCI)
11. Ghanshyam Singh, Binod Kumar Kanaujia, **Vijay Kumar Pandey**, Sachin Kumar, “**Quad – Band Multi – Polarized Antenna with Modified Electric – Inductive – Capacitive Resonator**”, International Journal of Microwave and Wireless Technologies, Volume 14 Issue 1, IF-1.4, ISSN: 1759-0787 (Print), 1759-0795 (Online), pp. 65 - 76, February 2021 <https://doi.org/10.1017/S1759078721000106> (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, Article 108031, IF-1.7, Online ISSN: 1879-2405 Print ISSN: 0038-1101 May 2021 <https://doi.org/10.1016/j.sse.2021.108031> (SCI)
13. Deepti Gautam, 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 e-ISSN 1309-4653 <https://doi.org/10.17762/turcomat.v12i10.5329> (SCOPUS).
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15. Dhananjay Singh, Surya Deo Choudhary, B. Mohapatra, “**Design and Fabrication of Millimeter Wave Microstrip Antenna for NGN Applications**” International Journal of Microwave and Optical Technology, Vol.16, No.3, pp. 279-285, ISSN 1553-0396, May 2021 <https://www.ijmot.com/VOL-16-NO-3.aspx> (SCOPUS)
16. Dhananjay Singh, Surya Deo Choudhary, B. Mohapatra “**Design of Microstrip Patch Antenna for Ka-Band (26.5-40 GHz) Applications**”, Materialstoday: Proceedings, Elsevier, Volume-45, Part-2, ISSN 2214-7853, pp. 2828-2832, May 2021, <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, vol. 40, no. 5, pp. 9453–9470, ISSN No.1875-8967, 22 April 2021. [10.3233/JIFS-201926](https://doi.org/10.3233/JIFS-201926) (SCIE).
18. Abhiruchi Srivastava, Surya Deo Choudhary, Karamjeet Sharma, Shreyansh Jha, Kamlesh Kumar, Taha Butul, Vinod M. Kapse, “**Microstrip Rectangular Patch**

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19. Pankaj Kumar, S.K.Singh, **Surya Deo Choudhary**, “**Reliability Prediction Analysis of Aspect-Oriented Application Using Soft Computing Techniques**”, Materials Today: Proceedings, Volume 45, Part 2, Pages 2660-2665, Online ISSN: 2214-7853 May 2021.
<https://doi.org/10.1016/j.matpr.2020.11.518> (SCOPUS)
20. Pankaj Kumar, Renuka Sharma, **Surya Deo Choudhary**, 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, <https://doi.org/10.28919/jmcs/5775> (SCOPUS)
21. Narendra Sahai, Imran Ali, **Vinod Kapse**, Avijit Mazumderr, “**The Comprehensive Study on the Management of Health and Safety of Employees on Workplace**”, European Economic Letters, Vol 10, Issue 1, pp. 37-43, ISSN 2323-5233, December 2020, <https://eelet.org.uk/index.php/journal/article/view/276/232>, (PEER REVIEWED)
22. **Vinod M Kapse**, Narendra Sahai, Imran Ali, Rakhi Mishra, “**Employees Health and safety Management Life Cycle and Basic Structure**”, European Economic Letters, Vol 10, Issue 1, pp. 52-59, ISSN 2323-5233, December 2020, <https://eelet.org.uk/index.php/journal/article/view/278/234>, (PEER REVIEWED)
23. Preeti Arora, Saksham Gera, **Vinod M Kapse**, Sapna Sinha, “**Image Classification Using Convolutional Neural Networks of Deep Learning Algorithm**”, Journal of Xi’an Shiyou University, Natural Science Edition, VOLUME 17 ISSUE 09, pp. 661-664, ISSN: 1673-064X, 2021, <https://www.xisdjxjxsu.asia/V17I9-53.pdf> (SCOPUS).
24. **Vinod Mansiram Kapse**, **Kanika Jindal**, **Nisha Chauhan**, “**Electric Vehicle Charging and Unloading Effect Analysis on the Power Grid**”, International Journal of Advanced Research in Engineering and Technology (IJARET), Volume 11, Issue 12,

pp.1700-1705, ISSN Print: 0976-6480 ISSN Online: 0976-6499, December 2020,
[10.34218/IJARET.11.12.2020.154](https://doi.org/10.34218/IJARET.11.12.2020.154) (SCOPUS).

International/National Conference

1. Amita singh, S. Pratap Singh, Lakshmanan M., **V. K. Pandey**, “**Gain and Delay Simulation for Molecular Communication Using Verilog**”, 2nd **IEEE** International Conference on Advances in Computing, Communication Control and Networking, 18-19 December 2020 (ICAC3N-20), [10.1109/ICACCCN51052.2020.9362898](https://doi.org/10.1109/ICACCCN51052.2020.9362898)
2. Amita singh, S. Pratap Singh, Lakshmanan M., **V. K. Pandey**, “**Verilog Implementation of Diffusion Concentration in Molecular Communication**”, 2nd **IEEE** International Conference on Advances in Computing, Communication Control and Networking, 18-19 December 2020 (ICAC3N-20), [10.1109/ICACCCN51052.2020.9362898](https://doi.org/10.1109/ICACCCN51052.2020.9362898)