

## List of publications in SCOPUS/SCOPUS-E journals 2019

1. **Sinha, R., Choubey, A.,** Mahto, S. K., & Ranjan, P. (2019). Quantum Behaved Particle Swarm Optimization Technique Applied to FIR-Based Linear and Nonlinear Channel Equalizer. In *Advances in Computer Communication and Computational Sciences* (pp. 37-50). Springer, Singapore.
2. Mahto, S. K., **Choubey, A., Sinha, R.,** & Ranjan, P. (2019). Sidelobe Minimization of Uniform Linear Array by Position-and Amplitude-Only Control Using WDO Technique. In *Advances in Computer Communication and Computational Sciences* (pp. 309-321). Springer, Singapore.
3. Moysis, L., Volos, C., Pham, V. T., Goudos, S., Stouboulos, I., **Gupta, M. K.,** & Mishra, V. K. (2019). Analysis of a Chaotic System with Line Equilibrium and Its Application to Secure Communications Using a Descriptor Observer. *Technologies*, 7(4), 76.
4. **Kumar, S.,** Kumar, A., Nieto, J. J., & Sharma, B. (2019). Atangana–Baleanu Derivative with Fractional Order Applied to the Gas Dynamics Equations. In *Fractional Derivatives with Mittag-Leffler Kernel* (pp. 235-251). Springer, Cham.
5. Krishn, S., Goyal, M., Nandan, G., **Kumar, S., Kumar, P.,** & Shukla, A. K. (2019). Pool Boiling Using Nanofluids: A Review. In *Advances in Fluid and Thermal Engineering* (pp. 325-336). Springer, Singapore.
6. Kumar, R., Edalatpanah, S. A., **Jha, S.,** Broumi, S., **Singh, R.,** & Dey, A. (2019). A Multi objective programming approach to solve integer valued neutrosophic shortest path problems. *Neutrosophic Sets and Systems*, 24, 134-149.
7. Pulugurtha, I. G. S., Ghosh, I., & **Biswas, S.** (2019). *Advances in Transportation Engineering*. Springer Singapore, 34, 9-10.
8. **Azad, C.,** & Jha, V. K. (2019). Decision tree and genetic algorithm based intrusion detection system. In *Proceeding of the Second International Conference on Microelectronics, Computing & Communication Systems (MCCS 2017)* (pp. 141-152). Springer, Singapore.
9. Tonday, H. R., & **Tigga, A. M.** (2019). An empirical evaluation and optimization of performance parameters of wire electrical discharge machining in cutting of Inconel 718. *Measurement*, 140, 185-196.
10. Moysis, L., Volos, C., Pham, V. T., Goudos, S., Stouboulos, I., & **Gupta, M. K.** (2019, May). Synchronization of a Chaotic System with Line Equilibrium using a Descriptor Observer for Secure Communication. In *2019 8th International Conference on Modern Circuits and Systems Technologies (MOCASST)* (pp. 1-4). IEEE.
11. Das, S., & **Akella, A. K.** (2019). A fuzzy logic-based frequency control scheme for an isolated AC coupled PV-wind-battery hybrid system. *International Journal of Modelling and Simulation*, 1-13.
12. Kumar, R., Edalatpanah, S. A., **Jha, S.,** & **Singh, R.** (2019). *A novel approach to solve gaussian valued neutrosophic shortest path problems*. Infinite Study.
13. Kumar, R., & **Singh, S. N.** (2019). Design and analysis of ridge substrate integrated waveguide bandpass filter with octagonal complementary split ring resonator for suppression of higher order harmonics. *Progress In Electromagnetics Research*, 89, 87-99.
14. **Srivastava, M.,** Bhardwaj, K., Roy, A., & Singh, A. (2019, March). An Active-C Realization for Simulating Electronically Controllable Lossy Grounded Inductance. In *2019 6th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 137-140). IEEE.
15. Kumar, R., Edalatpanah, S. A., **Jha, S.,** Gayen, S., & **Singh, R.** (2019). Shortest path problems using fuzzy weighted arc length. *International Journal of Innovative Technology and Exploring Engineering*, 8, 724-731.

16. Chordiya, J. S., & **Sharma, R. V.** (2019). Study of Natural Convection in Fluid-saturated Porous Thermal Insulations with Multiple Inclined Diathermal Partitions. *Journal homepage: <http://iieta.org/Journals/IJHT>*, 37(1), 123-130.
17. Sharma, B., **Kumar, S.**, & **Paswan, M. K.** (2019). Numerical investigation of MHD stagnation-point flow and heat transfer of sodium alginate non-Newtonian nanofluid. *Nonlinear Engineering*, 8(1), 179-192.
18. Das, S. K., **Mandal, T.**, & Behera, D. (2019). A new approach for solving fully fuzzy linear programming problem. *International Journal of Mathematics in Operational Research*, 15(3), 296-309.
19. Barde, C., **Choubey, A.**, **Sinha, R.**, Mahto, S. K., & Ranjan, P. (2019). A novel ZOR-inspired patch antenna for vehicle mounting application. In *Ambient Communications and Computer Systems* (pp. 47-53). Springer, Singapore.
20. Naidu, G. A., & **Kumar, J.** (2019). Wireless Protocols: Wi-Fi SON, Bluetooth, ZigBee, Z-Wave, and Wi-Fi. In *Innovations in Electronics and Communication Engineering* (pp. 229-239). Springer, Singapore.
21. Gayen, S., **Jha, S.**, Singh, M., & Kumar, R. (2019). On a generalized notion of anti-fuzzy subgroup and some characterizations. *International Journal of Engineering and Advanced Technology*.
22. Rani, P., & **Shaw, D. K.** (2019). A Hybrid Approach for Traffic Delay Estimation. In *Integrated Intelligent Computing, Communication and Security* (pp. 243-250). Springer, Singapore.
23. Nuthalapati, B., & **Sinha, U. K.** (2019). Location detection of downed or broken power line fault not touching the ground by hybrid AD method. *Journal of Engineering and Applied Sciences*, 14(2), 483-489.
24. Gupta, P., **Srivastava, M.**, Verma, A., Ali, A., Singh, A., & Agarwal, D. (2019). A VDCC-Based Grounded Passive Element Simulator/Scaling Configuration with Electronic Control. In *Advances in Signal Processing and Communication* (pp. 429-441). Springer, Singapore.
25. Rathore, S. S., Mishra, S., **Sanjay, & Paswan, M. K.** (2019, November). A Review on Design and Development of Free Piston Linear Generators in Hybrid Vehicles. In *IOP Conference Series: Materials Science and Engineering* (Vol. 691, No. 1, p. 012053). IOP Publishing.
26. Rathore, S. S., Mishra, S., **Sanjay & Paswan, M. K.** (2019, November). An overview of diagnostics and prognostics of rotating machines for timely maintenance intervention. In *IOP Conference Series: Materials Science and Engineering* (Vol. 691, No. 1, p. 012054). IOP Publishing.
27. Pawar, P., **Kumar, A.**, & **Ballav, R.** (2019). Parametric Analysis of Electrochemical Discharge Drilling on Soda-Lime Glass Material Using Taguchi L27 Orthogonal Array Method. *Strojnícky časopis-Journal of Mechanical Engineering*, 69(4), 115-132.
28. **Prasad, B. K.** (2019). Characteristics of LMRC Beams Under Monotonic and Cyclic Loading: An Experimental Study. *Journal of The Institution of Engineers (India): Series A*, 100(4), 547-558.
29. **Yadav, D. K.** (2019). Software Test Case Allocation. In *Proceedings of the 2nd International Conference on Data Engineering and Communication Technology* (pp. 137-144). Springer, Singapore.
30. Chakkarapani, G., **Prasad, P.**, & **Srivastava, A.K.L.** (2019). Energy based design as an alternative intuitive criterion to the drift criterion. *International Journal of Innovative Technology and Exploring Engineering*, 8(12), 5836-5845.
31. Paul, K., **Kumar, N.**, & Dalapati, P. (2019) Congestion control by optimal engagement of distribution generation using hybrid evolutionary algorithm. *International Journal of Innovative Technology and Exploring Engineering*, 8(12), 3329-3336.

32. Paul, S., **Kumar, S.**, & **Suman, R. R.** (2019). A Quantum Secure Entity Authentication Protocol Design for Network Security. *International Journal of Information Security and Privacy (IJISP)*, 13(4), 1-11.
33. Sarkar, A., & **Singh, B.** (2019). A cancelable biometric based secure session key agreement protocol employing elliptic curve cryptography. *International Journal of System Assurance Engineering and Management*, 10(5), 1023-1042.
34. **Kumar, V.** (2019). Damage evaluation of a full-scale RC frame exposed to multiple extreme loads. *Journal of Structural Fire Engineering*.
35. Rani, P., & **Shaw, D.K.** (2019). Multi-agent based traffic signal optimization under fully actuated control. *International Journal of Innovative Technology and Exploring Engineering*, 8(11), 2255-2262.
36. Maitra, T., Obaidat, M. S., Giri, D., **Dutta, S.**, & Dahal, K. (2019). ElGamal cryptosystem-based secure authentication system for cloud-based IoT applications. *IET Networks*, 8(5), 289-298.
37. Yadav, J., & **Paswan, M.** (2019). Prediction and optimization of weld bead geometry. *International Journal of Innovative Technology and Exploring Engineering*, 8(10), 2735-2742.
38. Yadav, J., & **Paswan, M.** (2019). Different methods for predicting and optimizing weld bead geometry with mathematical modeling and ANN technique. *International Journal of Innovative Technology and Exploring Engineering*, 8(10), 2761-2766.
39. Karangle, N., **Mishra, A. K.**, & **Khan, D. A.** (2019, July). Comparison of Nikto and Uniscan for measuring URL vulnerability. In *2019 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT)* (pp. 1-6). IEEE.
40. **Prasad, P.**, & **Prasad, B.** (2019). Performance behavior of eccentrically braced steel frame under seismic loading. *International Journal of Innovative Technology and Exploring Engineering*, 8(9), 1077-1090.
41. Gayen, S., **Jha, S.**, & Singh, M. (2019). On direct product of a fuzzy subgroup with an anti-fuzzy subgroup. *International Journal of Recent Technology and Engineering*.
42. Barde, C., **Choubey, A.**, **Sinha, R.**, Mahto, S. K., & Ranjan, P. (2019, June). A Low Profile Pentagonal Shape Zeroth Order Resonator Antenna for  $K_{\{a\}}$  Band Applications. In *2019 Photonics & Electromagnetics Research Symposium-Spring (PIERS-Spring)* (pp. 3614-3618). IEEE.
43. **Sinha, R.**, **Choubey, A.**, Mahto, S. K., Ranjan, P., & Barde, C. (2019, June). Synthesis of Linear Array Antenna using Hybrid IWOWDO Algorithm. In *2019 Photonics & Electromagnetics Research Symposium-Spring (PIERS-Spring)* (pp. 4144-4151). IEEE.
44. **Sahoo, S.** (2019, June). Analysis of Dielectric Relaxation in Dipolar Liquids Under High Frequency Electric Field. In *2019 3rd International conference on Electronics, Communication and Aerospace Technology (ICECA)* (pp. 211-216). IEEE.
45. **Sahoo, S.** (2019, June). Double relaxation phenomena of amide with phenol from susceptibility measurement under high frequency electric field. In *2019 3rd International conference on Electronics, Communication and Aerospace Technology (ICECA)* (pp. 217-222). IEEE.
46. **Sinha, U.K.** (2019). Performance analysis of power line fault not touching the ground. *International Journal of Innovative Technology and Exploring Engineering*, 8(8), 1538-1543.
47. Srivastava, M., & **Sinha, M. K.** (2019) Mathematical Modelling for the Performance of Encapsulated Phase Change TESS and Effect of Stefan's Number. *Mathematical Modelling of Engineering Problems*, 6(2), 280-284.
48. Mishra, S., Gagrai, S. K., & **Singh, M.** (2019, March). An ANN Based Simulation and Control of Grid Integrated DFIG for 2 MW Small Hydro Power Plant. In *2019 6th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 540-546). IEEE.

49. Ansari, S., Das, A., & **Bhattacharya, A.** (2019, March). Resonant Inductive Wireless Power Transfer of Two-Coil System with Class-E Resonant High Frequency Inverter. In *2019 6th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 269-273). IEEE.
50. Das, K. S., Kumar, K. N., Mouli, P. C., & **Srivastava, M.** (2019, March). A New Generalized Grounded Impedance Scaling Configuration with Electronic/Resistor Tunability. In *2019 6th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 811-815). IEEE.
51. **Singh, K.**, Kumar, V., & Kumar, M. (2019, March). Performance Evaluation of Phosphorene Elevated Source Tunnel FET with Strained Channel and Ferroelectric Gate Oxide. In *2019 6th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 371-375). IEEE.
52. Kumar, K. N., Mouli, P. C., Das, K. S., & **Srivastava, M.** (2019, March). Novel Electronic/Resistance Adjustable Capacitance Multiplier Circuit with VDCCs and Grounded Resistances. In *2019 6th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 1112-1115). IEEE.
53. Kumar, L., Raw, B. K., **Gupta, S. K.**, & **Kumar, S.** (2019, May). Voltage Stability Enhancement Using Shunt Devices and Identification of Weak Bus through Voltage Stability Indices. In *2019 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT)* (pp. 247-251). IEEE.
54. Kumar, M., Morla, S. K., & **Mahanty, R. N.** (2019, May). Modeling and simulation of a Micro-grid connected with PV solar cell & its protection strategy. In *2019 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT)* (pp. 146-150). IEEE.
55. **Kumar, P.**, Shamrao, C. M., & Mukherjee, M. (2019, May). Sum-rate maximization with joint power allocation and mode selection in D2D-enabled 5G cellular networks. In *2019 IEEE International Conference on Communications Workshops (ICC Workshops)* (pp. 1-6). IEEE.
56. Kumar, B., **Suman, R. R.**, & **Singh, B. K.** (2019). Frequency of Meeting with Node and Visit to Physical Location Based on Mobility Pattern. In *International Conference on Communication, Networks and Computing* (pp. 37-48). Springer, Singapore.
57. **Namrata, K.**, Pundir, A., Varshney, A., & Mahajan, B. (2019). Validation and Simulation of Hourly Global Solar Radiation of Cities from each of the Five Indian Zones. In *2018 International Conference on Sustainable Energy, Electronics, and Computing Systems (SEEMS)* (pp. 1-4). IEEE.
58. Mahajan, B., **Namrata, K.**, Varshney, A., & Pundir, A. (2019). Modelling and Simulation of Solar Radiation using Different Models for Amravati, Maharashtra India. In *2018 International Conference on Sustainable Energy, Electronics, and Computing Systems (SEEMS)* (pp. 1-5). IEEE.
59. Singh, A. S., Akram, M. W., Kumar, P., & **Sanjay, S.** (2019). *Analysis of Power Pack for Autonomous-Underwater-Vehicle: Potential of Super-Critical CO<sub>2</sub> Brayton Cycle* (No. 2019-01-1260). SAE Technical Paper.
60. **Sahoo, S.** (2019, April). Dielectric investigation of alkyl acrylate with phenol from conductivity measurement under 9.37 GHz Electric Field. In *2019 3rd International Conference on Trends in Electronics and Informatics (ICOEI)* (pp. 1389-1394). IEEE.
61. **Sahoo, S.** (2019, April). Dielectric relaxation of argemone-mexicana oil from susceptibility and conductivity measurement under 8.93 GHz electric field. In *2019 3rd International Conference on Trends in Electronics and Informatics (ICOEI)* (pp. 1395-1400). IEEE.
62. **Debnath, S. K.** (2019). Provably Secure Private Set Intersection With Constant Communication Complexity. *International Journal of Cyber Warfare and Terrorism (IJCWT)*, 9(2), 39-64.
63. Sonia, P., **Paswan, M.K.**, Saxena, K., & Singhal, P. (2019). Review on heat and mass transfer in submerged arc welding (SAW) and gas metal arc welding (GMAW). *International Journal of Engineering and Advanced Technology*. 8(4), 503-512.

64. **Kumar, V., Prasad, B.,** Chakraborty, S., Singh, P., Murthy, Y. R., & Kapure, G. (2019). Experimental Investigation on Compressive Strength of LD Slag Aggregate Concrete. In *Sustainable Construction and Building Materials* (pp. 485-493). Springer, Singapore.
65. Singh, A. S., Choudhary, T., & **Sanjay, S.** (2019). *Thermal Analysis of Aircraft Auxiliary Power Unit: Potential of Super-Critical CO<sub>2</sub> Brayton Cycle* (No. 2019-01-1391). SAE Technical Paper.
66. Bhardwaj, K., **Srivastava, M.,** Panwar, K., Prasad, D., & Roy, A. (2019, March). Grounded Series RL impedance Simulator using CDDITA. In *2019 International Conference on Signal Processing and Communication (ICSC)* (pp. 254-257). IEEE.
67. Sharma, M., Bhagat, M., & **Kumar, D.** (2019, March). Ubiquitous and Emerging Concepts of Sensors. In *2019 Devices for Integrated Circuit (DevIC)* (pp. 341-347). IEEE.
68. Bhagat, M., **Kumar, D.,** & Kumar, D. (2019, March). Role of Internet of Things (IoT) in Smart Farming: A Brief Survey. In *2019 Devices for Integrated Circuit (DevIC)* (pp. 141-145). IEEE.
69. **Kumar, D.,** Prasad, R., Singh, K. R. R., & Singh, S. (2019, March). Gameplay using Reinforcement Learning. In *2019 Devices for Integrated Circuit (DevIC)* (pp. 177-180). IEEE.
70. Kumar, R., & **Chand, P.** (2019). Analytical Investigation on Solar Air Heater with Fins and Twisted Tapes. *Journal homepage: <http://iieta.org/Journals/IJHT>*, 37(1), 33-40.
71. Kumar, G., **Kumar, A.,** & Bar, H. N. (2019). Asymmetric cyclic deformation behavior of SA 333 steel at elevated temperatures. *World Journal of Engineering*.
72. Sinha, A. K., **Khan, D. A., Mondal, T.,** & Singh, B. M. (2019, February). Integrated single-vendor single-buyer inventory model with imperfect production and inspection by vendor. In *2019 Second International Conference on Advanced Computational and Communication Paradigms (ICACCP)* (pp. 1-5). IEEE.
73. Kumar, R.S., Kasireddy, I., Kumar, A., & **Singh, A.K.** (2019). Estimation of stability regions of fractional PI controller for LFC of power system. *2019 IEEE International Conference on Sustainable Energy Technologies (ICSET)*, 313-318.
74. **Behera, B.,** & Nemade, H. B. (2019). Investigating translational motion of a dual friction-drive surface acoustic wave motor through modeling and finite element simulation. *Simulation*, 95(2), 117-125.
75. Sharma, B., **Kumar, S., Paswan, M. K.,** & Mahato, D. (2019). Chebyshev Operational Matrix Method for Lane-Emden Problem. *Nonlinear Engineering*, 8(1), 1-9.
76. Nasir, A. W., Kasireddy, I., & **Singh, A. K.** (2019). IMC Based Temperature Control of a Water Bath System Modeled as Integer and Non-integer System. In *2018 International Conference on Recent Trends in Electrical, Control and Communication (RTECC)* (pp. 275-280). IEEE.
77. Kumar, G., **Kumar, A.,** & Bar, H. (2019). Low Cycle Fatigue and Ratcheting Behavior of SA333 Gr-6 Steel at 300 C Temperature. *SAE Int. J. Mater. Manuf.*, 12(1), 73-82.
78. **Kumar, V.,** Kumar, A., & **Prasad, B.** (2019). Influence of elevated temperature on alkali-activated ground granulated blast furnace slag concrete. *Journal of Structural Fire Engineering*.
79. Chithambaram, S. J., **Kumar, S.,** & Prasad, M. M. (2019). Study on Effect of Sodium Hydroxide Concentration on Geopolymer Mortar. In *Sustainable Construction and Building Materials* (pp. 651-658). Springer, Singapore.
80. Ranjan, R., Kundu, C., **Kumar, J.,** & Patra, P. (2019). Real time online profile measurement system for steel wire products. *Diagnostyka*, 20.
81. Das, S. K., Edalatpanah, S. A., & **Mandal, T.** (2019). A new method for solving linear fractional programming problem with absolute value functions. *International Journal of Operational Research*, 36(4), 455-466.

82. Gangadhar, K., Venkata Subba Rao, M., **Kumar, S.**, Sharma, S., & Munjam, S. R. (2019). A series-form solution of the coupled nonlinear equations by the method of directly defined inverse mapping and SRM. *International Journal of Ambient Energy*, 1-10.
83. D'Souza, D. N., **Choudhary, A. K.**, Basak, P., & Shukla, S. K. (2019). Assessment of Vetiver Grass Root Reinforcement in Strengthening the Soil. In *Ground Improvement Techniques and Geosynthetics* (pp. 135-142). Springer, Singapore.
84. **Shukla, A.**, Goel, G., & Shukla, N. (2019). Evaluating the impact of corporate social responsibility expenditure on profitability of energy sector firms in India. *International Journal of Sustainable Society*, 11(3), 220-234.
85. Jha, J. N., **Choudhary, A. K.**, Shukla, S. K., & Gill, K. S. (2019). Tri-Axial Behaviour of Steel Fiber-Reinforced Sand. *Journal of Geotechnical and Geoenvironmental Engineering*.
86. Afreen, N., Singh, S., & **Kumar, S.** (2019, April). Individualized Patient-Centered Type 2 Diabetes Recommender System. In *International Conference on Advances in Computing and Data Sciences* (pp. 45-54). Springer, Singapore.
87. Sahu, M. K., Choudhary, T., Sahu, A., & **Sanjay, S.** (2019). *Exergoeconomic Analysis and Modelling of LM2500+ G4 Engine for Marine Propulsion and Cogeneration Application* (No. 2019-01-0903). SAE Technical Paper.
88. Pratibha, **Mishra, R.K.**, & Mohan, R. (2019). Graded 2-absorbing primary fuzzy ideals and graded weakly 2-absorbing primary fuzzy ideals. *Journal of Advanced Research in Dynamical and Control Systems*, 11(2), 1211-1220.
89. Singh, R. K., & **Shaw, D. K.** (2019). A secured and robust image watermarking based on pixel permutation, wavelet transform and singular value decomposition. *Journal of Engineering Science and Technology*, 14(4), 1924-1939.
90. Singh, A., **Yadav, H. L.**, & **Kumar, S.** (2019). Effect of Temperature on Fracture Parameters of Aluminum Alloy Al 6061: A Numerical Study Effect of Temperature on Fracture Parameters of Aluminum Alloy Al 6061: A Numerical Study.
91. **Kumar, V.** (2019). Effect of temperature on stress–strain behaviour of pre-damaged confined concrete. *Journal of Structural Fire Engineering*.
92. Nuthalapati, B., & **Sinha, U. K.** (2019). Location of Downed or Broken Power Line Fault Not Touching the Ground. *European Journal of Electrical Engineering*, 21(1), 7-10.
93. **Srivastava, M.**, & Bhardwaj, K. (2019). Compact Lossy Inductance Simulators With Electronic Control. *Iranian Journal of Electrical and Electronic Engineering*, 15(3), 343-351.
94. **Kumar, J.**, Kumar, S., Kumar, A., & **Behera, B.** (2019, January). Real-Time Monitoring Security System integrated with Raspberry Pi and e-mail communication link. In *2019 9th International Conference on Cloud Computing, Data Science & Engineering (Confluence)* (pp. 79-84). IEEE.
95. **Kumar, J.**, Gupta, N., Kumari, A., & Kumari, S. (2019, January). Automatic Plant Watering and Monitoring System using NodeMCU. In *2019 9th International Conference on Cloud Computing, Data Science & Engineering (Confluence)* (pp. 545-550). IEEE.
96. Mishra, S., Sohret, Y., **Sanjay** & Shukla, A. K. (2019). Conventional and Advanced Exergy Analysis of Air-Film Blade Cooled Gas Turbine Cycle. In *Advances in Fluid and Thermal Engineering* (pp. 283-296). Springer, Singapore.
97. Singh, J. P., **Kumar, S.**, Mohapatra, S. K., & Nandan, G. (2019). Experimental Design-Based Analysis on Process Parameters for Head Loss in Pipe Bend. In *Advances in Fluid and Thermal Engineering* (pp. 379-388). Springer, Singapore.

98. **Kumari, S.** (2019). Fuzzy-set-based real-time reservoir operation using genetic algorithm. *ISH Journal of Hydraulic Engineering*, 1-8.
99. Pawar, P., **Kumar, A., & Ballav, R.** (2019). Analysis of machining for Silicon Carbide on Electrochemical discharge machining with Brass Tool. *signal*, 10(15), 20.
100. **Choudhary, A. K.,** Jha, J. N., & Fulambarkar, S. (2019). Strength and Deformation Characteristics of Bottom-Ash Reinforced with Single Geocell Mattress Made of Waste Pet Bottles. *Journal of Materials in Civil Engineering*.
101. **Mandal, A. K.,** & Wah, P. (2019). Equipartition of Modal Energy in a Stiff Vibrating String Due to a Finite Curved Boundary Obstacle. In *IUTAM Symposium on Recent Advances in Moving Boundary Problems in Mechanics* (pp. 253-265). Springer, Cham.
102. Rajneesh, R., **Subhash, S.,** Mulik, R. S., & Kaushik, P. (2019). Study of Machining Performance in EDM Through Response Surface Methodology. In *Advances in Industrial and Production Engineering* (pp. 207-219). Springer, Singapore.
103. Nuthalapati, B., & **Sinha, U. K.** (2019). Fault Detection and Location of Broken Power Line Not Touching the Ground. *International Journal of Emerging Electric Power Systems*, 20(3).
104. **Choudhary, A. K.,** Kunjumon, B., & Jha, J. (2019). Improving the Performance of Ordinary Stone Column by Geotextile Encasement. In *Geotechnics for Transportation Infrastructure* (pp. 495-504). Springer, Singapore.
105. Tondy, H. R., & **Tigga, A. M.** (2019). A Critical Study of Paradigms and Perspectives for Advancement of E-Entrepreneurship. *International Journal of E-Entrepreneurship and Innovation (IJEEI)*, 9(2), 49-57.
106. **Shukla, A.,** Goel, G., & Tiwari, N. (2019). Consumer perception of corporate social responsibility and purchase behaviour. *International Journal of Business Excellence*, 18(1), 22-41.
107. **Azad, C., Mehta, A. K.,** & Jha, V. K. (2019). Evolutionary Decision Tree-Based Intrusion Detection System. In *Proceedings of the Third International Conference on Microelectronics, Computing and Communication Systems* (pp. 271-282). Springer, Singapore.
108. Pardeep, B., & **Sinha, M. K.** (2019). Computational Investigation of Various Transition Stages in the Drop Formation Process. In *Advances in Interdisciplinary Engineering* (pp. 249-261). Springer, Singapore.
109. Mondal, B., **Mandal, T.,** Choudhury, T., & **Khan, D. A.** (2019). Use of A light weight secure image encryption scheme based on chaos and DNA computing for encrypted audio watermarking. *International Journal of Advanced Intelligence Paradigms*, 13(1-2), 67-79.
110. **Biswas, S.,** Prasad, H., Jaiswal, A., & Gehlot, A. R. (2019). Estimation of PCU and Saturation Flow at Signalised Intersection. In *Advances in Transportation Engineering* (pp. 35-45). Springer, Singapore.
111. Murmu, R., **Kumar, P.,** & Singh, H. N. (2019). Effects of roughness parameters on the heat transfer and friction of an inclined spherical ball roughened flat plate solar collector. *International Journal of Ambient Energy*, 1-16.

