

**SUMMARY**
**SOT - Academic Publication Details (IJ / IC / NJ / NC / BC / BOOK)**

Sr No	Name of the Author	Title of Paper	Name of journal/Conference	Publisher	Year
1	Dr. Dinesh Kumar Pandey	Continuous production of propylene glycol (1,2-Propanediol) by hydrogenolysis of glycerol over bi-functional Cu-Ru/MgO catalyst	React. Chem. Eng.	RSC	2020
2	Dr. Sanjukta Bose Goswami	Long lasting mucoadhesive membrane based on alginate and chitosan for intravaginal drug delivery	Journal of Materials Science: Materials in Medicine	Springer	2020
3	Dr. Dinesh Kumar Pandey	Production of propylene glycol (1,2-propanediol) by the hydrogenolysis of glycerol in a fixed bed downflow tubular reactor over highly effective Cu-Zn bifunctional catalyst: Effect of acidic/basic support	New J. Chem	RSC	2019
4	Dr. Dinesh Kumar Pandey	Production of propylene glycol (propane-1,2-diol) in vapor phase over Cu-Ni/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> catalyst in a down flow tubular reactor: effect of catalyst calcination temperature and kinetic study	React. Kinet, Mech and Cat.	Springer	2019
5	Dr. Sanjukta Bose Goswami	Evaluation of the solid state form of tadalafil in sub-micron thin films using nanomechanical infrared spectroscopy	International Journal of Pharmaceutics	Elsevier, Science Direct	2019
6	Dr. Sanjukta Bose Goswami	Pyrolytic carbon resonators for micromechanical thermal analysis	Microsystems and Nanoengineering	Nature	2019
7	Dr. Sanjukta Bose Goswami	Using microcantilever sensors to measure poly(lactic-co-glycolic acid) plasticization by moisture uptake	Polymer Testing	Elsevier, Science Direct	2018
8	Dr. Sanjukta Bose Goswami	Temperature Modulated Nanomechanical Thermal Analysis	IEEE Sensors Journal	IEEE	2018
9	Dr. Ghanshyam Tejani	Multi-objective modified heat transfer search for truss optimization	Engineering with Computers	Springer	2020
10	Dr. Ghanshyam Tejani	Improved metaheuristics through migration - based search and an acceptance probability for truss optimization	Asian Journal of Civil Engineering	Springer	2020
11	Dr. Ghanshyam Tejani	Hybrid Heat Transfer Search and Passing Vehicle Search Optimizer for Multi-Objective Structural Optimization	Knowledge-Based Systems	Elsevier, Science Direct	2020
12	Dr. Ghanshyam Tejani	Multi-Objective Passing Vehicle Search Algorithm for Structure Optimization	Expert Systems with Applications	Elsevier, Science Direct	2020
13	Akash Bhavsar	Mathematical Modeling of Thermo chemical system	CMA-2019 (Congress for Mathematics Applications)	IIT, Indore	2019
14	Dr. Ghanshyam Tejani	Structural optimization using multi-objective modified adaptive symbiotic organisms search	Expert Systems with Applications	Elsevier, Science Direct	2019
15	Dr. Ghanshyam Tejani	Multi-objective Heat Transfer Search algorithm for Truss Optimization	Engineering with Computers	Springer	2019
16	Dr. Ghanshyam Tejani	"Truss Topology Optimization with Static and Dynamic Constraints Using AISC-ASD," 11th-13th December 2019	7th International Congress on Computational Mechanics and Simulation (ICCMS 2019)	NA	2019
17	Mr. Akash Bhavsar	Finite Element Analysis (FEA) of spent fuel rod for study of effect of uniaxial tensile stress on crack propagation and structural stability	International Journal of Technical Innovation in Modern Engineering & Science	IJTICES	2018

18	Mr. Akash Bhavsar	flat plate collector solar air heater, simulation and analysis, investigations in flat plate collector (fpc): a review	International Journal of Technical Innovation in Modern Engineering & Science	IJTICES	2018
19	Mr. Akash Bhavsar	Study of Effect of Uniaxial Tensile Stress on Crack Propagation and Structural Stability With Finite Element Analysis	Journal of Emerging Technology and Innovative Research	JETIR	2018
20	Dr. Ghanshyam Tejani	Size, shape, and topology optimization of planar and space trusses using mutation-based improved metaheuristics	Journal of Computational Design and Engineering	Elsevier, Science Direct	2018
21	Dr. Ghanshyam Tejani	Topology and size optimization of trusses with static and dynamic bounds by modified symbiotic organisms search	Journal of Computing in Civil Engineering	ASCE	2018
22	Dr. Ghanshyam Tejani	Truss optimization with natural frequency bounds using improved symbiotic organisms search	Knowledge-Based Systems	Elsevier, Science Direct	2018
23	Dr. Ghanshyam Tejani	An improved heat transfer search algorithm for unconstrained optimization problems	Journal of Computational Design and Engineering	Elsevier, Science Direct	2018
24	Dr. Ghanshyam Tejani	Topology optimization of truss subjected to static and dynamic bounds by integrating simulated annealing into passing vehicle search algorithms	Engineering with Computers	Springer	2018
25	Dr. Ghanshyam Tejani	Multiobjective adaptive symbiotic organisms search for truss optimization problems	Knowledge-Based Systems	Elsevier, Science Direct	2018
26	Dr. Ghanshyam Tejani	Truss Topology optimization: A review	N/A	Scholars press	2018
27	Dr. Ghanshyam Tejani	Modified symbiotic organisms search for structural optimization	Engineering with Computers	Springer	2018
28	Mr. Virendra Sharma	analysis of contact pressure for inner and outer race of ball bearing 6004	INTERNATIONAL JOURNAL OF ENGINEERING SCIENCES & RESEARCH TECHNOLOGY	IJESRT	2018
29	Mr. Virendra Sharma	flat plate collector solar air heater, simulation and analysis, investigations in flat plate collector (fpc): a review	International Journal of Technical Innovation in Modern Engineering & Science	IJTICES	2018
30	Mr. Akash Bhavsar	Study of Effect of Uniaxial Tensile Stress on Crack Propagation and Structural Stability With Finite Element Analysis	Journal of Emerging Technology and Innovative Research	JETIR	2018
31	Dr. Saurabh Shah	Augmenting the Operations on Cloud Virtual Forensic Data by employing Probabilistic Data Structures	International Journal of Sensors, Wireless Communications and Control	Bentham Science	2020
32	Dr. Saurabh Shah	Enhancing the operations for Integrity check on Virtual Instance Forensic Logs using Cuckoo Filter Trees	International Journal of Cloud Computing	Inderscience	2020
33	Dr. Saurabh Shah	Exploration of Vulnerabilities, Threats and Forensic Issues and its impact on the Distributed Environment of Cloud and its mitigation	Procedia Computer Science	Elsevier, Science Direct	2020
34	Dr. Saurabh Shah	Fuzzy logic based multi Document Summarization with improved sentence scoring and redundancy removal technique	Expert Systems with Applications	Elsevier, Science Direct	2019
35	Dr. Saurabh Shah	Decentralized collaborative TTP free approach for privacy preservation in location based services	International Journal of Electrical and Computer Engineering	Institute of Advanced Engineering and Science (IAES)	2019
36	Dr. Saurabh Shah	Evaluating performance of asymmetric homomorphic encryption algorithms for privacy preservation in location based services	International Journal of Recent Technology and Engineering	Blue Eyes Intelligence Engineering & Sciences	2019

37	Dr. Saurabh Shah	Automated Indian Vehicle Number Plate Detection	Soft Computing: Theories and Applications	Springer	2018
38	Sneha Bajaj	Use of Artificial Intelligence in English Teaching and Learning: State of Art	IJMER Journal of Multidisciplinary Educational Research	IJMER	2020
39	Ms. Sneha Bajaj	A study on the challenges and obstacles for women in adaption of e-commerce technologies: State of art	International Conference on Women in Science and Technology	CVM	2018
40	Ms. Sneha Bajaj	Use of artificial intelligence in English teaching and learning	National Seminar on Higher Education in India: Emerging Issues, Challenges & Future Prospects	NSE	2018
41	Ms.Sneha Bajaj	Equilibrium of verbal and non-verbal communication in Millennial	Krupacon – International Conference on Management 4.0: Disruptions in Business and Millennial at the Workplace	KDC	2018
42	Ms. Sneha Bajaj	Review of modern communication means for millennials at work	IOSR Journal of Humanities and Social Science	IOSR	2018