

**PPSU FACULTY PUBLICATION: 2021-2022**

<b>School of Science- Research Paper</b>							
<b>Sr.</b>	<b>Title of Research Paper</b>	<b>Name of Authors</b>	<b>Name of Journal</b>	<b>Volume (Year)</b>	<b>Issue</b>	<b>ISSN</b>	<b>Page</b>
1	Analysis of Certain Physico-Chemical Parameters of dye Industry Effluent Located in Ankleshwar GIDC, Gujarat, India.	<b>Ms. Prablin Kaur Ghura, Dr. Aditee Pandya</b> and Chintan Pandya	International Journal of Recent Scientific Research	12, 2021	10, octo.	0976-3031	43243-43246
2	Aggregation behaviour of star block copolymers T1304 and T1307 in the presence of toluene, phenol and methyl phenols: A DLS and SANS study	Chitrallekha Chakrabarti , <b>Dr. Sadafara A. Pillai</b> , Debes Ray, Vinod K. Aswal , Sanjeev Kumar	Colloids and Surfaces A: Physicochemical and Engineering Aspects Elsevier	636, 2021	Dec-21	0927-7757	1- 9
3	Phase behaviour and characterization of micelles of graft copolymer Soluplus and non-ionic surfactant Solutol HS15: A detailed comparison in the presence of additives	Chitrallekha Chakrabarti, <b>Dr. Sadafara A. Pillai</b> , Ketan Kuperkar, Debes Ray, Vinod K. Aswal, Pratap Bahadur	Journal of Molecular liquids (Elsevier)	349	2022	0167-7322	1-10
4	Application of Green Synthesized MMT/Ag Nanocomposite for Removal of Methylene Blue from Aqueous Solution	<b>Virendrakumar Yadav</b>	Water MDPI	2021	13		1-13
5	Advances in the Methods for the Synthesis of Carbon Dots and Their Emerging Applications	<b>Virendrakumar Yadav</b>	Polymers MDPI	2021	13		1 - 31
6	A new CuZr2S4/rGO and their reduced graphene oxide nanocomposites enhanced photocatalytic and antimicrobial activities	<b>Virendrakumar Yadav</b>	Chemical Physics Letters	2021	August	0009-2614	1- 7
7	Nanobioremediation: A sustainable approach towards the degradation of sodium dodecyl sulfate in the environment and simulated conditions	<b>Virendrakumar Yadav</b>	Journal of Basic Microbiology	2021	August		1-9
8	Characterization of fatty acids, Polysaccharides, Amino Acids, and Minerals in Marine Macroalga Charatomorpha crassa and Evaluation of Their Potentials in Skin Conmetics	<b>Virendrakumar Yadav</b>	Molecules MDPI	2021			1-20
9	Experimental and Computational Approaches for the Structural Study of Novel Ca-Rich Zeolites from Incense Stick Ash and Their Application for Wastewater Treatment	<b>Virendrakumar Yadav</b>	Adsorption Science & Technology (SAGE)	2021			1-12
10	Global Popularization of CuNiO2 and their rGO nanocomposite Loveabled to the photocatalytic properties of methylene blue	<b>Virendrakumar Yadav</b>	Environmental Research	2021	XXX		1-10
11	Influence of Precursor ions on the structural morphological and optical properties of ZnO nanostructure and cytotoxicity on murine NIH 3T3 cells	<b>Virendrakumar Yadav</b>	Institute of Chemistry Springer	2021	September		
12	Study of Photoluminescence and nonlinear optical behaviour of AgCu nanoparticles for nanophotonics	<b>Virendrakumar Yadav</b>	Nano-Structures & Nano -Objects	2021, 28	October		1-10
13	Extraction of Value - Added Minerals from Various Agricultural, Industrial and Domestic Wastes	<b>Virendrakumar Yadav</b>	Materials MDPI	2021	October		1-29
14	Cytotoxicity, Removal of Congo red dye in Aqueous Solution Using Synthesized Amorphous Iron Oxide Nanoparticles from Incense Sticks Ash Waste	<b>Virendrakumar Yadav, Sweta Parimita Bera, Ms. Nisha Choudhary</b>	Journal of Nanomaterials	2022		1687-4129	1-12
15	Modified 7-Chloro-11HIndeno[1,2-b]Quinoxaline Heterocyclic System for Biological Activities	<b>Virendrakumar Yadav</b>	Catalysts	2022	February		1-21
16	Utilization of Incense Stick Ash in Hydrometallurgy methods for Extracting Oxides of Fe, Al, Si and Ca	<b>Virendrakumar Yadav</b>	Materials MDPI	2022	March		1-21
17	Health and Environmental Risks of Incense Smoke: Mechanistic Insights and Cumulative Evidence	<b>Virendrakumar Yadav, Nisha Chaudhary</b>	Journal of Inflammation Research	2022	April		
18	Enhanced Plasmon Based Ag and Au Nanosystems and Their Improved Biomedical Impacts	<b>Virendrakumar Yadav</b>	Crystals MDPI	2022	April		1-17
19	2D Personality of Multifunctional Carbon Nitrides towards Enhanced Catalytic Performance in Energy Storage and Remediation	<b>Virendrakumar Yadav</b>	Applied Sciences	2022	April		1-16

20	New orchestrated of X-CuTiAp (ETA and DMA) nanospheres with enhanced photocatalytic and antimicrobial activities	<b>Virendrakumar Yadav</b>	Journal of Industrial and Engineering Chemistry	2022			1-17
21	New development and photocatalytic performance and antimicrobial activity of ..... NH <sub>4</sub> (VO <sub>2</sub> )(HPO <sub>4</sub> ) nanosheets	<b>Virendrakumar Yadav</b>	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2022	276	1386-1425	1-7
22	Recent Advances in Synthesis and Degradation of Lignin and Lignin Nanoparticles and Their Emerging Applications in Nanotechnology	<b>Virendrakumar Yadav, Sweta Parimita Bera, Ms. Nisha Choudhary</b>	Materials MDPI	Jan, 2022		1996-1944	1-28
23	Recent Trends in Fascinating Applications of Nanotechnology in Allied Health Sciences	<b>Virendrakumar Yadav</b>	Crystals MDPI	2022			1-16
24	Recovery of iron nanominerals from sacred incense sticks ash waste collected from temples by wet and dry magnetic separation method	<b>Virendrakumar Yadav, Nisha Chaudhary</b>	Environmental Technology & Innovation	2022, 25			1-12
25	Combination of PGRs for Rapid and Enhanced Micropropagation of Tinospora Cordifolia	Shivani Dipakbhai Patel, <b>Dr. Aditee Pandya</b>	International Journal of Innovative Science and Research Technology	7, 2022	5	2456-2165	233-240
26	An Efficient Agrobacterium-mediated Genetic Transformation Using cry1F gene in Castor (Ricinus communis L,) for Protection Against lepidopteran Insects	<b>Dr. Hiren K. Patel</b>	Rom Boitechnol Lett.	27, 2022	1	2248-3942	3283-3291
27	Remediation of Azure A Dye from Aqueous Solution by Using Surface-Modified Coal Fly Ash Extracted Ferrospheres by Mineral Acids and Toxicity Assessment	<b>Virendrakumar Yadav, Sweta Parimita Bera, Ms. Nisha Choudhary</b>	Adsorption Science & Technology (SAGE)	2022	January	2048-4038	1-14
28	Emerging and advanced membrane technology for wastewater treatment: A review	<b>Sweta Parimita Bera, Manoj Godhanita and Charmy Kothari</b>	Journal of Basic Microbiology	2021	August	1521-4028	1-15
29	Microbial treatment of textile dye Teactive Red 3by a newly developed bacterial consortium	Maulin P. Shah and <b>Sweta Parimita Bera</b>	Nanotechnology for Environmental Engineering	2021	October	2365-6387	1-8
30	Influence of sodium salts on the phase and gelation behaviour of T1107 to be used as proposed polymer gel electrolyte	Chitralekha Chakrabarti, Chirag Mevada, Debes Ray, Vinod K. Aswal, <b>Sadafara A. Pillai,</b>	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2022	jun online	0927-7757	1-11
31	Mycoremediation- A Powerful Planetary Healer	Pathan Saimah Anverkhan , <b>Dr. Aditee Pandya</b>	International Journal of All Research Education and Scientific Methods (IJARESME)	10, 2022	jun	2455-6211	1929 - 1941
32	Ecological footprint of Solan district, Himachal Pradesh, India	Jyotsana Pandit, S. K. Bhardwaj and <b>Dr. Anish Kumar Sharma</b>	CURRENT SCIENCE	122	8		978 - 980
33	Onion Peel Waste Mediated-Green Synthesis of Zinc Oxide Nanoparticles and Their Phytotoxicity on Mung Bean and Wheat Plant Growth	Shreya Modi, Virendra Kumar Yadav, Nisha Choudhary, Abdullah M. Alswieleh, <b>Dr. Anish Kumar Sharma,</b> Abhishek Kumar Bhardwaj, Samreen Heena Khan, Krishna Kumar Yadav, Ji-Kwang Cheon and Byong-Hun Jeo	Materials	2022			1-12
34	Polymorphic landscape of SARS-CoV-2 genomes isolated from Indian population in 2020 demonstrates rapid evolution in ORF3a, ORF8, nucleocapsid phosphoprotein and spike glycoprotein	Archana Pal, Shefali Dobhal , Kishore Kumar Dey , <b>Dr. Anish Kumar Sharma</b> , Vivek Savani , Vishal Singh Negi	Computational Biology and Chemistry	95, 2021	October	1476-9271	1 - 13
35	Microbial Remediation of Textile Dye Acid Orange a Novel Bacterial Consortium SPB92	<b>Dr. Sweta Parimita Bera,</b> Maulin P. Shah and Manoj Godhaniya	Frontiers in Environmental Science	Jun, 2022		2296-665X	1 - 8
36	Overview of Omics-Assisted Techniques for Biodiversity Conservation	<b>Dr. Sekhar Tiwari</b> and Ravi Rajwanshi	Springer Nature	2022			63- 78
37	An overview of the phytosynthesis of various metal nanoparticles	<b>Dr. Sekhar Tiwari</b>	Springer Nature	11, 2021	October		478-

38	A meticulous study on the interaction of bile salts with star block copolymeric micelles	Chitralkh Chakrabart, Nave Male, Debe Ray, Vino d K. Aswa, <b>Dr. Sadafara A. Pillai</b>	Journal of Molecular Liquids	363, 2022	July	0167 -7322	1 - 12
39	Effect on seed yield and quality characteristics of chickpea as influenced by integrated nutrient management in chickpea-fodder maize cropping sequence	<b>Dr. Hardik A Patel and J D Thanki</b>	The Pharma Innovation Journal	2022; 11(7)	July	2277-7695	2511-2514
40	Role of beneficial elements in crop production	<b>Dr. Hardik A Patel</b>	Agriculture & Food E- News Letter	Forthcoming Issue August 2022			
41	Determination of Adsorption of Methylene Blue Dye by Incense Stick Ash Waste and Its Toxicity on RTG-2 Cells	<b>Virendrakumar Yadav, Nisha Chaudhary</b>	Adsorption Science & Technology (S	May , 2022			1 -10
42	A Novel Approach for the Synthesis of Vaterite and Calcite from Incense Sticks ash waste and their potential for remediation of dyes from aqueous solution	<b>Virendrakumar Yadav, Nisha Chaudhary</b>	Sustainable Chemistry and Pharmaco	July, 2022		2352-5541	

### School of Science- Books/Books Chapter

Sr.	Title of Books/ Chapter	Name of Authors	Name of Publisher	Year	ISBN	Page
1	Development in Wastewater Treatment Research and Processes: Removal of Emerging Contaminants from wastewater through Bio-nanotechnology/ <b>An application of bionanotechnology in removal of emerging contaminants from pharmaceutical waste</b>	<b>Dr.Hiren K. Patel</b> , Rishee K. Kalaria, Priyanka H. Jokhakar, Amit A. Mehta, Hiren V. Patel	Elsevier	2021	978-0-323-85583-9	371-383
2	Development in Wastewater Treatment Research and Processes: Removal of Emerging Contaminants from wastewater through Bio-nanotechnology / <b>Removal of emerging contaminants in water treatment by an application of nanofiltration and reverse osmosis</b>	<b>Dr. Hiren K. Patel</b> , Rishee K. Kalaria, Priyanka H. Jokhakar,Chetan R. Patel, Binal Y. Patel	Elsevier	2021	978-0-323-85583-9	385-400
3	An innovative Approach of Advanced Oxidation Processes in Wastewater Treatment: <b>Bioremediation: A Novel Way to Deal with Petroleum Sludge for Sustainable Environment</b>	<b>Dr. Hiren K. Patel</b> , Rishee K. Kalaria and Divyesh K. Vasava	Nova Science Publishers, New York	2021	978-1-68507-343-5	
4	Removal of Refractory Pollutants from Wastewater Treatment Plants: <b>Prospects for Exploiting Microbes and Plants for Bioremediation of Heavy Metals</b>	<b>Dr. Hiren K. Patel</b> , Rishee K. Kalaria and Divyesh K. Vasava	CRC Press, Boca Raton	2022	978-0-367-75812-7	
5	Development in Wastewater Treatment Research and Processes: <b>Ligninolytic enzymes: a promising tools for bioremediation of waste water</b>	<b>Dr. Hiren K. Patel</b> , Rishee K. Kalaria and Divyesh K. Vasava, Hiren Bhalani	Elsevier, Netherlands	2022	978-0-323-85657-7	
6	Waste and Waste Management: <b>Proteomics: A Novel Tool for Studying Environmental Microbial Communities</b>	<b>Dr. Hiren K. Patel</b> , Divyesh K. Vasava, Hiren N. Bhalani and Rishee K. Kalaria	Nova Science Publishers,	2022	978-1-68507-676-4	1 - 29
7	Microbial Remediation of Azo Dyes With Prokaryotes: <b>Phytoremediation A Novel and Promising Approach for the Clean-Up of heavy Metal-Contaminated Soils Associated with Microbes</b>	<b>Dr. Hiren K. Patel</b> , Priyanka H. Jokhakar, Rishee K. Kalaria, Divyesh K. Vasava and Rutu R. Kachhadiya	CRC Press, Boca Raton	2022	987-0-36767-345-1	233-258
8	Biochar and its Application in Bioremediation: <b>Biochar: A Futuristic Tool to Remove Heavy Metals from Contaminated Soils</b>	<b>Dr. Hiren K. Patel</b> , Maitrik P. Joshi and Rishee K. Kalaria	Springer	2021	978-981-16-4058-2	231-258
9	Advanced Oxidation Processes for Wastewater Treatment: An Innovative Approach	Maulin P. Shah, <b>Dr. Sweta Parimita Bera</b> and Gunay Yildiz Tore	CRC Press, Boca Raton	2022	978-0-367-76211-7	
10	ADVANCES in BIOLOGICAL SCIENCES AND BIOTECHNOLOGY: <b>Molecular Markers an Important Tool to Study the Genetic Diversity</b>	Vikrant, <b>Dr. Anish K. Sharma</b> and Jai Pal Sharma	Integrated Publications	2022		13- 28
11	Nanotoxicology: <b>Nanomaterials Assisted Elicitation of Pharmaceutically Impoatant Secondary metabolites from in vitro plant cell culture</b>	<b>Dr. Sekhar Tiwari</b>	CRC Press, Boca Raton	2021		

## School of Engineering - Research Paper

Sr.	Title of Research Paper	Name of Authors	Name of Journal	Volume (Year)	Issue	ISSN	Page
1	Asymmetric Confidentiality in Blockchain Embedded Smart Grids in Galois Field.	<b>Ms. Bannishikha Banerjee, Dr. Ashish Jani and Dr. Niraj Shah</b>	Frontiers in Blockchain	4, 2021	December		1 - 11
2	A Novel Approach to Increase Adaptability of Digital Agriculture in India	<b>Mr. Mitul Raj and Mr. Mitul Patel</b>	International Journal of Recent Scientific Research	12, 2021	September	0976-3031	43156-43159
3	Application of Unmanned Aerial Vehicles in Agriculture	<b>Ms. Neha Shah</b>	Journal of Emerging Technologies and Innovative Research	8, 2021	November	2349-5162	140-144
4	Sentiment Analysis to Implement fake News Detection System Using Machine Learning Algorithms	Mukhtar Dahiru, <b>Mr. Ravirajsinh Chauhan</b> and Yakubu Magaji	International Journal of Recent Scientific Research	12, 2021	10, October	0976-3031	43228-43237
5	DEEP LEARNING-BASED APPROACH TO PREDICT COVID-19 FROM SKIN RASHES	Mahmud Ibrahim Kani and <b>Ms. Jagruti Rameshbhai Boda</b>		11, 2021	November	2278-4632	138-143
6	A REVIEW ON APPLICATION OF PRIMAVERA FOR PROJECT MANAGEMENT	<b>Paresh Mistry and Ravi Dhandhukiya</b>	International Journal of Recent Scientific Research	12, 2021	October	0976-3031	43263-43265
7	Digital Image Encryption Using Double Crossover Approach for SARS-CoV-2 Infected Lungs in a Blockchain Framework	<b>Bannishikha Banerjee, Ashish Jani and Niraj Shah</b>	Frontiers in Blockchain	4, 2021	December		1 - 9
8	An Optimized Zone Routing Protocol (ZRP) in Manet	<b>Mr. Bhavin Rana and Dhavan Rana</b>	International Journal of Recent Scientific Research	11, 2021	November	0976-3031	43588-43591
9	Aims and Attitudes in Teaching Critical Thinking	<b>Ms. Payal Bhatt and Ms. Pankty Fruitwala</b>	Journal of Emerging Technologies and Innovative Research	8, 21	December	586-588	2349-5162
10	DEEP LEARNING-BASED APPROACH TO PREDICT COVID-19 FROM SKIN RASHES	Mahmud Ibrahim Kani and <b>Ms. Jagruti Rameshbhai Boda</b>	Junikhyat journal	11	11	2278-4632	138-143
11	4PCDT : A Quantifiable Parameter - Based Framwork for Academic Software Project Management	<b>Dr. Vikas S. Chomal</b> , Jatinderkumar R. Saini, Hema Gaikwad , Ketan Kotecha	IJACSA) International Journal of Advanced Computer Science and Applications	13, 2022	1		290-297
12	Securing Infrastructure and VMs in Cloud by Integrating IDS	Hemangini J. Patel and Urvi Girishbhai Patel	DICKENSIAN JOURNAL	22, 2022	5	0012-2440	928-936
13	Application of Additive Manufacturing in Adhesive Bonding - A Review	Siddharth M. Panchal, Ashutosh C. Raval and <b>Amir D. Patel</b>	<b>Proceedings of TFMS 2022</b>	<b>Apr-22</b>			
14	Biomass-derived 5-hydroxymethylfurfural (HMF) and 2,5-dimethylfuran (DMF) synthesis as promising alternative fuel: A prospective review	<b>Jigesh Mehta</b> , Anand V. Metre Mathurkumar S. Bhakhar b, D.S. Panwar , Swapnil Dharaskar	<b>Materials Today: Proceedings</b>	<b>In Press</b>		2214-7853	
15	REVIEW ON DRIVER DISTRACTION CLASSIFICATION TO AVOID ACCIDENTS USING DEEP LEARNING	<b>Ms. Bhumika Shah , Ms. Bannishikha Banerjee</b>	International Journal of Research Publication and Reviews	3, 2022	5	2582-7421	2630- 2639
16	Expert System to Foretell the worth of Pre-owned vehicle	<b>Ms. Barkha Wadhvani</b>	GIS SCIENCE JOURNAL	9, 2022	5	1869-9391	2324-2330
17	A Review Article on Methods to Enhance the Strength of Adhesive Joints Along with Consideration of Composite Materials	Mr. Harsh S. Dalsania, Mr. Sagarsingh B. Kushwah, <b>Mr. Chirag R. Desai and Mr. Hardik C. Majiwala</b>	Proceedings of TFMS 2022	2022			1- 7
18	A Review Article on FDM Process Parameters in 3D Printing for Composite materials	<b>Mr. Chirag R. Desai</b>	Materials Today Proceedings	60, 2022	3		2162-2166
19	ARTIFICIAL INTELLIGENCE BASED CROP IDENTIFICATION AND CROP PRODUCTION ESTIMATION	<b>Ms. Megha S. Patel, Mr. Ravirajsinh Chauhan</b> , Mr. Naimish Gevaria	International Journal of Research and Analytical Reviews (IJRAR)	9, 2022	2	2349-5138	854-860
20	Effectiveness of Practical Approach for Teaching Communication Skills over Theory	<b>Dr. Ankitkumar Patel</b>	Kala Sarovar	Vol. 24	4, 2021	0975-4520	382-386
21	A Conceptual model using IoT to test ripening and diseases of fruit	<b>Mr. Srikant Singh , Ms. Maulika Patel</b>	DICKENSIAN JOURNAL	22, 2022	6	0012-2440	569-582
22	SHEATH BLIGHT DETECTION AND CLASSIFICATION USING IMAGE PROCESSING AND MACHINE LEARNING	<b>Mr. Srikant Singh , Ms. Maulika Patel</b>	International Journal of Research Publication and Reviews	3, 2022	6	2582-7421	673-678
23	Smart Approach to Increase Adaptability of Soil Health Card Schemes of Government of India	<b>Mitul Raj and Ms. Nafisa Shaikh</b>	International Journal of Innovative Research in Science, Engineering and Technology	11, 2022	Jun	2319-8753	

24	Effect of Industrial waste water contamination on Geotechnical Properties of Soil	<b>Ms. Nafisa Shaikh and Mr. Mitul Raj</b>	Journal of Emerging Technologies and Innovative Research (JETIR)	8, 2021	November	2349-5162	
25	Digital Data Storage in DNA	<b>Mr. Mitul Patel</b>	Gradiva Review Journal	8, 2022	Jun	0363-8057	
26	Role of Machine Learning in 5G Device Communication: A Survey	<b>Mr. Abhijitsinh Parmar</b> , Jay Gandhi, Pratik Patel and Kiran Parmar	Journal of Optoelectronocs Laser	41, 2022	6	1005-0086	276-285
27	Geochemical investigation of hydrocarbon generation potential of coal from Raniganj Basin, India	<b>D. S. Panwar</b> , Ram Chandra Chaurasia, V. K. Saxena, A. K. Singh, Akanksha	Journal of Petroleum Exploration and Production Technology	Jul-05	September		
28	A State-of-art review of circular economy in the supply chain management: scientometric mapping	<b>Mr. Hardik Majiwala</b> and Mr. Ravi Kant	Management of Environmental Quality	2022	March	1477-7835	1 -23
29	METHOD AND SYSTEM FOR PROVIDING MULTI-FACE THREE-AXIS TO FIVE-AXIS COMPUTER NUMERICAL CONTROL (CNC) MACHINE	<b>Mr. Rahul Sinha</b>	<b>PATENT</b>	Jan, 2022			
30	Parabolic Solar Collector Hot Air Dryer	<b>Mr. Rohit Sunil Khedkar</b>	<b>PATENT</b>	Jun, 2022			
31	A Monto Carlo Technique to Study the Distribution of 18F for PET	<b>Dr. N. N. Deshmukh</b>	Indian Journal of Natural Science	13, 2022	72, Jun	0976-0997	42743- 42745
32	An Efficient Monte Carlo for PET Imaging Simulation	<b>Dr. N. N. Deshmukh</b>	Indian Journal of Natural Science	13, 2022	72 Jun	0976-0997	42721-42723
33	Break-up of Phenomena around the Coulomb Barrier for (7Li, 208Pb)	<b>Dr. N. N. Deshmukh</b>	Indian Journal of Natural Science	13, 2022	71 April	0976-0997	39604-39606
34	Study of Inclusive/Exclusive Cross Section Involving Loosely Bound Nuclei	<b>Dr. N. N. Deshmukh</b>	Indian Journal of Natural Science	13, 2022	71 April	0976-0997	39578-39580
35	Break -up Mechanism by a Different Approach for Loosely Bond Nuclei	<b>Dr. N. N. Deshmukh</b>	Indian Journal of Natural Science	13, 2022	71 April	0976-0997	39540-39542
36	Importance of Mathematics in Civil Engineering	<b>Mr. Ravi Dhandhukiya and Mr. Paresh Mistry</b>	Indian Journal of Natural Science	Forthcoming Issue 73 August 2022		0976-0997	
37	A Study of Contribution of Indian Women in Higher Education	<b>Ms. Pankty Fruitwala and Ms. Tanvi Bhavsar</b>	Indian Journal of Natural Science	Forthcoming Issue 73 August 2023		0976-0997	
38	Polycaprolactone/maize husk/bentonite clay-based hybrid composite films: Physical and mechanical properties	<b>Dr. Deepak Kohli and deepak Singh Panwar</b>	GIS Science Journal	9, 2022	Jun	1869-9391	1933-1943
39	A Study of English Writing as Second Language of IX Standard Students of Rukminidevi Vidhyalay, Bharuch	<b>Ms. Meera Patel</b>	Indian Journal of Natural Science	Forthcoming Issue 73 August 2022		0976-0997	
40	Performance Evaluation of the state of the Art (SOTA) in Combating Insecurity through Transfer Learning (A case study of Kano State CCTV)	<b>Mr. Ravirajsinh Chauhan and Mr. Hamisu Ridwan Umar</b>	International Journal of Research and Analytical Reviews (IJRAR)	9, 2022	2, Jun	2348-1269	253-262
41	PERCEPTION OF USERS WHILE MEASURING THE CRITICAL FAILURE FACTOR IN IMPLEMENTED ERP SYSTEM IN VARIOUS EDUCATIONAL ORGANISATIONS	<b>Ms. Bhavisha Shah, Ms. Asmita Patel and Dr. Parag Sanghani</b>	DICKENSIAN JOURNAL	22, 2022	7	0012-2440	381-391
42	Deep Learning and Super-Hybrid Textual Feature Based Multi-category Thematic Classifier for Punjabi Poetry	<b>Dr. Jasleen Kaur</b>	Smart Innovation, Systems and Technologies	Vol. 3030, May 2022		2190-3026	42-52
43	Micro-Raman Spectroscopic Studies for Evaluation of Self-Healing Property of Corrosion Protection Coatings on Al and Mg alloys	<b>Dr. Awapnil H. Adsul</b>	International Journal of Scientific Research in Engineering and Management (IJSREM)	6, July 2022	7	2582-3930	1 - 10
44	Synthesis, characterization, stability, and thermal properties of graphene oxide based hybrid nanofluids for thermal applications: Experimental approach	<b>Dr. Rohit S. Khedkar</b>	Diamond and Related Materials	July, 2022 online		0925-9635	

### School of Engineering- Books/Books Chapter

No.	Title of Books/ Chapter	Name of Authors	Name of Publisher	Year	ISBN	Page
1	Vehicular Communications for Smart Cars: Protocols, Applications and Security Concerns: A genetic blockchain approach for securing smart vehicles in quantum era	<b>Ms. Bannishikha Banerjee, Dr. Ashish Jani and Dr. Niraj Shah</b>	Taylor & Francis - CRC Press DOI: 10.1201/9781315110905-5	2021	978-0-367-45744-0	85-107
2	Advances in Engine Tribology: Automated SI Engine Wear Parts	Mr. RakeshKumar and <b>Mr. Rahul Sinha</b>	Advances in Engine Tribology, Energy, Environment, and Sustainability, Springer Nature.	2022	978-981-16-8337-4	61-73
3	Recent Advances in Manufacturing Modelling and Optimization: Simulation Study on Effect of Drill Tool Geometry on Strength and Deformation	Sehjad J. Memon, Poojan V. Fuletra, Nilay K. Degadwala, Chandresh B. Kumbhani, and <b>Rahul Sinha</b>	Recent Advances in Manufacturing Modelling and Optimization, Springer Nature	2022	978-981-16-9952-8	51-65

4	Modified Parabolic Solar Collector Hot-Air Tray Dryer	<b>Mr. Rohit Sunil Khedkar, Krushang Goti, Brindesh Jodhani, Jenish Hirpara and Prashant Giri</b>	10th International Conference on Contemporary Engineering and Technology 2022	May 21 - 22, 2022	978-93-81288-22-1	
5	Machine Learning and Deep Learning in Medical Data Analytics and Healthcare Applications: A Framework for Selection of Machine Learning Algorithms Based on Performance Metrics and Akaike Information Criteria in Healthcare, Telecommunication, and Marketing Sector	<b>Dr. Jasleen Kaur</b>		Feb-22	9781003226147	113-129

#### School of Liberal Arts and Management Studies

Sr.	Title of Research Paper	Name of Authors	Name of Journal	Volume (Year)	Issue	ISSN	Page
1	A Conceptual Study on the Impact of Covid 19 pandemic on Human Resource Management	<b>Ms. Sukriti Sharma</b>	International Journal of Commerce and Management	Vol. 01 2021	Issue 01 Dec. 2021	2583 -1682	39 -48
2	Understanding Student's Online learning Study behavior using Twitter Analytics	<b>Ms. Sukriti Sharma</b>	International Journal of Special Education	Vol. 37 2022	Issue 03 2022	0827-3388	16510-16522
3	Glitches to the Customer During E-Banking Transaction	<b>Dr. Jainish A Bhagat</b>	IDEES –International Multidisciplinary Research Journal	Vol. 04	Issue 03 Dec 2021	2455-4642	50-63
4	Liability Partnership (LLP): Is awareness required? – Affirmation	<b>Dr. Jainish A Bhagat</b>	IDEES –International Multidisciplinary Research Journal	Vol. 05	Issue 02 April 2022	2455-4642	38-49
5	INFORMATION AND SOURCE ANTECEDENTS TO EWOM: A REVIEW OF LITERATURE	<b>Ms. Sayyeda Jantiwala</b>	International Journal of Scientific Research in Engineering and Management (IJSREM)	Vol. 06	Issue 06 June 2022	2582-3930	01-14
6	Review on Non-Performing Aseets: It's Phases, Evolutions and Reforms	<b>Ms. Nirali Kantharia and Mr. Ramraj Malav</b>	International Journal of Research and Analytical Reviews (IJRAR)	Vol. 09	Issue 02 June 2022	2349-5138	935-947

#### School of Nursing

Sr.	Title of Research Paper	Name of Authors	Name of Journal	Volume (Year)	Issue	ISSN	Page
1	A STUDY TO ASSESS THE EFFECTIVENESS OF STRUCTURED TEACHING PROGRAM ON KNOWLEDGE REGARDING PREVENTION AND CONTROL OF H1N1 FLU AMONG ANGANWADI WORKERS IN SELECTED ANGANWADI CENTERS IN NAVSARI, GUJARAT	Mr. Bhuvnesh Pandya and <b>Ms. Jannet Reena Purani</b>	International Journal of All Research Writings	vol.03 2021	Sep-21	2582-1008	1-5
2	A Comparative Study to Assess the Growth of Toddlers among Urban Slum Area and Rural Area and Its Correlation with Selected Variables	<b>Dr. Sateesh Biradar</b> , Mrs Smital H Chaudhari,, Dr. Indrawati Rao and , <b>Ms. Ashwini Patil</b>	Journal of Emerging Technologies and Innovative Research (JETIR)	Volume 9,	Issue 01 Jan 2022	2349-5162	219 -226
3	Health Promotional Life Style Intervention on Knowledge and Practice Regarding Prevention of Co-Morbid Conditions and Complications of Chronic Renal Failure among Hemodialysis	<b>Ms. Ashwini Patil</b> and Indrawati Rao <b>Dr. Sateesh Biradar</b>	Indian Journal of Forensic Medicine & Toxicology	Vol.16	Issue 01 Jan - Mar 2022	0	1577-1586
4	Impact of COVID-19 Pandemic on Mental Health and Effects of a Sense of Verdict of Selected College Students in Nepal, Nigeria and India	<b>Mr. Deepak Vishwakarma</b> , Rejoice Puthuchira Ravi, Ebbie Thomas	Indian Journal of Public Health Research & Development,	Vol.12	Issue 01 Jan - Mar 2021	0	60-68
5	A Study to Assess effectiveness of Planned Teaching Programme in Terms of Knowledge Regarding Alzheimers Disease among Elderly People Living in Selected Old Age Home of Bharuch, Gujarat State	Ms. Zeelba Rathod and <b>Ms. Jahnvi Patel</b>	International Journal of Current Science (IJCS PUB)	Vol.12	Issue 02 April 2022	2250-1770	588-593
6	USAGE OF OZONE THERAPY AND ITS IMPACT ON GENERAL HEALTH	<b>Ms. Jwalin Priyadarshini</b>	Journal of Emerging Technologies and Innovative Research (JETIR)	Vol. X	Issue X 2022	2349-5162	25-30
7	A descriptive study to assess the knowledge and practice regarding open air burning of household waste among housewives in selected rural areas of Navsari in a view to develop an informational booklet	<b>Ms. Komal Kolhe</b> and <b>Ms. Mayuri Vaidya</b>	International Journal of All Research Education and Scientific Methods (IJARESM)	Vol. 10	Issue 06 June 2022	2455-6211	3304-3315
8	A study to assess the effectiveness of structured teaching program on knowledge of FASTHUGBID among students nurses in selected nursing colleges of Surat city	<b>Ms. Mayuri Vaidya</b> and <b>Ms. Komal Kolhe</b>	International Journal of All Research Education and Scientific Methods (IJARESM)	Vol. 10	Issue 06 June 2022	2455-6211	3299-3309
9	A Study to Assess the Stressors and Coping Strategies Among Patients Undergoing Haemodialysis Admitted in Selected Hospitals of Surat City with A View to Develop Information A Booklet on It	<b>Ms. Mayuri Vaidya</b>	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Vol. 10	Issue vi June 2022	2321-9653	4329-4334

10	A study to evaluate the effectiveness of planned teaching program (PTP) on knowledge regarding dyslexia in children among primary school teachers in selected primary schools at chintamani, Karnataka	<b>Ms. Blessi Martuise, Ms. Jannet Reena Purani and Ms. Amulya</b>	Journal of Emerging Technologies and Innovative Research	Vol. 09	Issue 06 June 2022	2349-5162	152-156
11	Knowledge Regarding Use Of PPE (Personal Protective Equipment) Among The Class IV Employee	<b>Ms. Meghana Goswami</b>	Journal of Emerging Technologies and Innovative Research	Vol. 09	Issue 06 June 2022	2349-5162	265-267
12	A DESCRIPTIVE STUDY TO ASSESS THE KNOWLEDGE REGARDING IMMUNIZATION AMONG THE MOTHERS OF UNDER FIVE CHILDREN IN SHRI VINOBA BHAVE CIVIL HOSPITAL, SILVASSA, DADRA & NAGAR HAVELI (D&NH)	<b>Ms. Krishna Vansia, Ms. Jannet Purani and Ms. Jinal Vasonia</b>	Journal of Emerging Technologies and Innovative Research	Vol. 09	Issue 07 July 2022	2349-5162	279-285
13	A STUDY TO ASSESS THE EFFECTIVENESS OF STRUCTURED TEACHING PROGRAMME ON KNOWLEDGE AND PRACTICE REGARDING INFECTION CONTROL AMONG THE STAFF NURSES AT SELECTED HOSPITAL, SURAT	<b>Ms. Jannet Reena Purani, Ms. Blessi Martuise, and Ms. Amulya</b>	Journal of Emerging Technologies and Innovative Research	Vol. 09	Issue 07 July 2022	2349-5162	01-04
14	KNOWLEDGE AND ATTITUDE OF PREVENTION OF CERVICAL CANCER AMONG RURAL WOMEN	<b>Ms. Kinjal Mistry and Mrs. Sonal M. Pandya</b>	Journal of Emerging Technologies and Innovative Research	Vol. 09	Issue 07 July 2022	2349-5162	722-725

#### School of Physiotherapy

Sr.	Title of Research Paper	Name of Authors	Name of Journal	Volume (Year)	Issue	ISSN	Page
1	A Narrative review of "Clinical reasoning tests" used for measuring "Clinical reasoning skills" of health profession students.	<b>Dr. Krishna Desai</b>	International Journal of Research and Analytical Reviews (IJRAR)	Vol. 08 2021	04 Dec	2349-5138 2348-1269	30-37
2	Comparison of Quality of Life, Physical and Respiratory Parameters in Players and Non Players with Spinal Cord Injury	<b>Ms. Aditi Shah</b>	International Journal of Current Research and Review (IJCRR)	Vol.13 2021	24 Dec 2021	2231-2196 0975-5241	01-09
3	Prevalence of Musculoskeletal Pain in Housewives in Surat: Population Based Cross Sectional Study	Shil Jatin Kumar Shah and <b>Ms. Aditi Shah</b>	International Journal of Engineering Science and Computing (IJESC)	Vol.11 2021	09 Sep	2321-3361	28855- 28857
4	Autism and Hypotonia: A Narrative Review	<b>Dr. Payal Mehta</b> and Dr. Rahul Chhatlani	International Journal of Research and Analytical Reviews (IJRAR)	Vol. 24 2022	01-Jan	2348-1269 2349-5138	35-39
5	A Study To Find Effects Of Smart Phones Usage With Anxiety, Depression, Stress And Sleep Quality In High Secondary School Students- A Cross-Sectional Study	<b>DR. KRUTI DESAI</b> , MISS. NENCY RADADIYA, MR. MITESH RANPARIYA, MISS. TRUSHA DHOLAKIYA	International Journal of Novel Research and Development (IJNRD)	Vol. 07 2022	Issue 5 May	2456-4184	1244-1253
6	WORK RELATED MUSCULOSKELETAL RISK FACTORS AND MANAGEMENT STRATEGIES AMONG NURSES - A NARRATIVE REVIEW	<b>Dr Vrunda Makwana and Dr Mona G Patel</b>	International Journal of Research and Analytical Reviews (IJRAR)	Vol. 09 2022	Issue 2 May	2349 -5138	843-849
7	PREVALENCE OF WORK RELATED MUSCULOSKELETAL PAIN AMONG WOMEN STICKING STONES ON SAREE	<b>Dr Mona G Patel and Dr Vrunda Makwana</b> , Pradip Gohil, Jinal Anaghan	International Journal of Research and Analytical Reviews (IJRAR)	Vol. 09 2022	Issue 2 May	2349-5138	939-951
8	Thermal ultrasound, manipulation and exercise on Pain and mouth opening in chronic temporomandibular joint disorder	Megha Nayak, Shyam Kishan, Molly Cynthiya, Suchita Rao and <b>Dr. Vrunda Makwana</b>	Physiotherapy Research International	Vol. 27 2022	Issue 2 Jan	Case Report	01-03
9	A STUDY TO FIND THE EFFECT OF MUSCLE ENERGY TECHNIQUE IN PATIENTS WITH OSTEOARTHRITIS OF KNEE-AN INTERVENTIONAL STUDY	DR RAHUL CHHATLANI, <b>Dr. Samira Mulla</b> and Dr. Yagnik Dave	International Journal of Research and Analytical Reviews (IJRAR)	Vol. 09	Issue 3 July 2022	2349-5138	343-364

#### Books

No.	Title of Books/Chapter	Name of Books	Name of Books Chapter Authors	Name of Publisher	Year	ISBN	Page
1	Therapeutic Body Positioning	Physiotherapy in Cardiopulmonary Conditions	<b>Dr Haribabu KV</b> and Gauri Mayank Afle	Jaypee Publication New Delhi	1st, 2022	978-93-5465-141-0	265-274
2	Autism: Treatment and Intervention	Research Trends in Medical Sciences	<b>Dr Ashish Mathur</b> , Bharat Rohila, Shreya Sharma, Ritika Bhatt, Amit Gupta	Akinik Publication New Delhi	1st, 2021	0	01-11

#### School of Homeopathy

Sr.	Title of Research Paper	Name of Authors	Name of Journal	Volume (Year)	Issue	ISSN	Page
1	ROLE OF HOMOEOPATHY AND PHYSIOTHERAPY IN CASES OF CERVICAL SPONDYLOSIS	<b>Dr. Hemangi Mahida Dr. Rajendra C. Ashra</b> and <b>Dr. Nehal Suthar</b>	International Journal of Research and Analytical Reviews (IJRAR)	Vol. 09 2022	03 July	2349-5138 2348-1269	677-686

School of Architecture							
Sr.	Title of Research Paper	Name of Authors	Name of Journal	Volume (Year)	Issue	ISSN	Page
1	ARCHITECTURE AND SENSES	Ar. Vibhuti Mhatre	International Journal of Research and Analytical Reviews (IJRAR)	Vol. 08 2021	Issue 4 Dec	2348-1269, 2349-5138	601 -610
2	Co-benefits from opportunities The Built Environment Climate Change and Health	Ar. Ruchi Gandhi	International Journal of Scientific & Engineering Research	Vol.13 2022	Issue 01 Jan	2229-5518	157-162
3	Invaluable Contribution of an Architect	Bharat Panchal and Sagar Desai	V Vidhyanagar	Nov-21	Issue 11 Nov	0976-9609	29-31
4	DE - CODING THE FOUR ELEMENTS OF ARCHITECTURE – GOTTFRIED SEMPER	Ar. Ruchi Ramesh and Aesha Gandhi	International Journal of Research in Economics and Social Sciences (IJRESS)	Vol.12 2022	Issue -06 June	2249-7382	34-42
5	Importance of Performance Appraisal Process by the Employer for the Employee for Healthy Work Environment	Ar. Eeshan Vairagkar and Ms. Snehal Vairagkar	Quest Journals Journal of Research in Business and Management	Vol. 10	Issue 07 2022	2347-3002	154 -160

Library							
1	E- Resources and current pandemic situation: Scope and Limitation	Dr. Paresh Ilasariya	International Journal of Research in Library Science (IJRLS)	8, 2022	2, April	2455-104X	188-190
2	Manibhai Prajapati: Vangmayasuchi	Dr. Falguni Prajapati	Gujarat Granthalay Seva Sangh, Ahmedabad	2021			1-60