

SCHOOL OF SCIENCE							
No.	Title of Research Paper	Name of Authors	Name of Journal	Volume No (Year)	Issue	ISSN	Page
1	Interactions of Alkyltriphenyl Phosphonium based ionic Liquids with block copolymer microstructures: A multitechnique study	Mr. Bijal Vyas, <b>Dr. Sadafara A. Pillai</b> , Mr. Debes Ray, Mr. Vinod K. Aswal, Mr. Mu-Rong Wang, Mr. Li-Jen Chen and Mr. Pratap Bahadur	Journal of Molecular Liquids	300	2020	0167-7322	1 to 9
2	Silica-immobilized ionic liquid Brønsted acids as highly effective heterogeneous catalysts for the isomerization of n-heptane and n-octane	Abhishek Dhar, Nadavala Siva Kumar, <b>Mehul Khimani</b> , Ahmed S. Al-Fatesh, Ahmed A. Ibrahim, Anis H. Fakeeha, <b>Dr. Hiren Patel</b> and Rohit L. Vekariya	Royal Society of Chemistry	April	<a href="https://doi.org/10.1039/d0ra00556h">DOI: 10.1039/d0ra00556h</a>		
3	Morphological and opto-electrical studies of newly decorated nano organo-lead halide-based perovskite photovoltaics	Abhishek Dhar, <b>Mehul Khimani</b> , Rohit L. Vekariya	Journal of Sol-Gel Science and Technology	September			
4	Self-assembly of stimuli-responsive block copolymers in aqueous solutions: an overview	<b>Mehul Khimani, Dr. Hiren Patel</b> , Vijay Patel, Paresh Parekh, Rohit L. Vekariya	Polymer Bulletin	December	<a href="https://doi.org/10.1007/s00289-019-03046-w">https://doi.org/10.1007/s00289-019-03046-w</a>		15282-15292
5	Naturally occurring neem gum: An unprecedented green resource for bioelectrochemical flexible energy storage device	AbhishekDhar, NadavalaSivaKumar, <b>MehulKhimani</b> , AhmedS.Al-Fatesh, Ahmed A. Ibrahim, Anish H. Fakeeha, Poonam Bhadja, Rohit L. Vekariya	Wiley Energy Research				

6	Characterization and Application of mixed micellar assemblies of PEO-PPO star block copolymers for solubilization of hydrophobic anticancer drug and in vitro release	<b>Dr. Sadafara A. Pillai, Dr. Anish Kumar Sharma, Sagar M. Desai,</b> Urjita Sheth, Anita Bahadur, Debes Ray, Vinod K. Aswal, Sanjeev Kumar	Journal of Molecular Liquids	Jun	8, 2020	0167-7322	1 to 9
7	In Silico Docking Studies of Antimalarial Drug Hydroxychloroquine to SARS-CoV Proteins :An Emerging Pandemic Worldwide	Priyanka H. Jokhakar, Rishee Kalaria, <b>Dr. Hiren K. Patel</b>	ChemRxiv			<a href="https://doi.org/10.26434/chemrxiv.12488804.v1">doi.org/10.26434/chemrxiv.12488804.v1</a>	
8	In-Silico Interaction of Hydroxychloroquine Drug with Various Proteins of Coronavirus (SARS-CoV-2): A Computational Approaches to Combat COVID-19	Rishee Kalaria, <b>Dr. Hiren K. Patel</b>	ChemRxiv			<a href="https://doi.org/10.26434/chemrxiv.12470381.v1">doi.org/10.26434/chemrxiv.12470381.v1</a>	
9	Transcription Factor: A novel tool for Crop Improvement Regulation of activity of transcription factor in plants	<b>Dr. Hiren K. Patel,</b> R. K. Kalaria	Knowledge Consortium of Gujarat Journal of Science	23	Nov-19	2320-0006	
10	A Review of effects of air pollution on physical and biochemical characteristics of plants	Jyotsana Pandit and <b>Anish Kumar Sharma</b>	International Journal of Chemical Studies	8, 2020	3	2321-4902	1684-1688
11	SELECTING SUSTAINABLE TECHNOLOGIES FOR MUNICIPAL SOLID WASTE TREATMENT AND DISPOSAL: AN EXPERT BASED MCDM APPROACH	Manoj Govind Kharat, Shankar Murthy, <b>Sheetal Jaisingh Kamble,</b> Mukesh Govind Kharat	Journal of Solid Waste Technology and Management	46, 2020	1		

12	Bacteria associated with marine microorganisms as potential source of quorum-sensing antagonists	<b>Aparna A. Singh</b>   Anil K. Singh   Anuradha Nerurkar	Journal of Basic Microbiology	2020	1		
13	“Influence of surfactant's polar head group charge on the self-assembly of three PEO–PPO–PEO triblock copolymers of widely varying hydrophobicity”	Bijal Vyas, <b>Dr. Sadafara A. Pillai</b> , Pratap Bahadur	Journal of Molecular Liquids	2020	316	0167-7322	1 to 11
14	Why Science Students Need to Learn Liberal Arts?	<b>Dr. Sangha Bijekar, Mr. Himanshu Khobragade</b>	International Journal for Innovative Research Multidisciplinary Field	6, 2020		2455-0620	311 to 313
15	Plant CenH3 Evolution is Congruent with The Phylogeny of Plant Species	<b>Dr. Archana Pal and Dr. Vishal Singh Negi</b>	International Journal of Scientific and Technology Research	8, 11	2019	2277-8616	1473-1476
16	Insights into High Mobility group A (HMGA) Proteins from Poaceae Family: An in Silico approach for studying homologs	<b>Dr. Archana Pal</b> , Mr. Ratnesh Singh, Ms. Anupma Sharma, <b>Dr. Vishal Singh Negi</b>	Computational Biology and Chemistry	87	2020	1476-9271	1 to 11

#### List of Books

No.	Title of Books/ Chapter	Name of Authors	Name of Publisher	Year	ISBN	Page
1	Nanotechnology: A Promising Tool for Bioremediation	<b>Dr. Hiren K. Patel</b>	Book Chapter, Elsevier	2020	978-0-12-821014-7	

**SCHOOL OF ENGINEERING**

No.	Title of Research Paper	Name of Authors	Name of Journal	Volume No (Year)	Issue	ISSN	Page
1	Designing Punjabi Poetry Classifiers Using Machine Learning and different textual Features	<b>Dr. Jasleen Kaur</b> , Mr. Jatinderkumar Saini	IAJIT	3	2020	1683-3198	-
2	Post Quantum Security Enhancement Scheme in IOT Blockchain Framework	<b>Bannishikha Banerjee</b> , <b>Dr. Ashish Jani</b> , <b>Dr. Niraj Shah</b> , Ashokkumar Patel	GIS Science Journal	7, 2020	6, 2020	1869-9391	
3	Drying of Banana-Stepwise in Drying Temperature on drying Kinetics	<b>Jigesh Mehta</b> , <b>Deepak Singh Panwar</b> , Smit Ghardesia, Atik Chauhan, Virajsinh V. Atodariya, <b>Bannishikha Banerjee</b> , Anand Metre and Mathurkumar S Bhakhar	The Open Chemical Engineering Journal	14, 2020		1874-1231/20	3 to 8
4	Comparative Study of Energy efficiency Indoor Envelope Green Building Case Study, Gandhinagar-India	<b>Ms. Payal S. Sheladia</b> , <b>Mr. Abhishek Sevwala</b>	IJTICES	05, 9	9, 2019	2455-2586	54-59
5	A Novel Efficient Sphere Decoding with Reed-Solomon Code in MIMO Detection	Mr. Mitesh S Solanki, Ms. Shilpi Gupta and <b>Mr. Vinaykumar Singh</b>	IJITEE	8, 9	9, 2019	2278-3075	2915-2920
6	Piezometric Assessment for Salinity in Multi Aquifer System in Dharoi Command Area, Gujarat	Ms. Hema R. Parmar, <b>Dr. Niraj Shah</b> , Mr. Pradeep Majumdar	International Journal of Engineering and Advanced Technology (IJEAT)	Vol. 8, 6	August, 2019	2249-8958	945-951
7	Analysis of Water level in multi Aquifers in dharoi Command Area, Gujarat, India	Ms. Hema R. Parmar, <b>Dr. Niraj Shah</b> , Mr. Pradeep Majumdar	Analysis of Water level in multi Aquifers in dharoi Command Area, Gujarat, India	Vol. 9, 2	February, 2020	2277-8616	6492-6499

8	Modelling of heat integrated reactive distillation column (r-HIDiC): Simulation studies of MTBE synthesis	<b>Ms. Sofia Ahmed</b>	Indian Journal of Chemical Technology	Vol. 27	May, 2020		210-218
9	Lean and Industry 4.0 Strive to Create Smart Factory Through Integration of Systems: An Exploratory Review	<b>Hardik Majiwala,</b> Suresh Sharma and Pankaj Gandhi	Advances in Intelligent Systems and Computing (AISC)		<a href="https://doi.org/10.1007/978-3-030-39875-0_20">https://doi.org/10.1007/978-3-030-39875-0_20</a>		184-195
10	Fabrication and Tensile Testing Of Jute and Flax Fiber Reinforced Composites Using VARTM Process	<b>Chandresh B. Kumbhani,</b> Harshit K. Dave , Himanshu V. Patel , Brijesh H. Patel	International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 2019)IIT Indore	2019			
11	Experimental and Simulation study on Tensile behavior of FDM printed parts	Brijesh H. Patel, Harshit K. Dave , Shilpesh R. rajpurohit <b>Chandresh B. Kumbhani</b>	International Conference on Precision, Meso, Micro and Nano Engineering (COPEN 2019)IIT Indore	2019			
12	ENHANCING THE SECURITY OF ATM TRANSACTION BY PROVIDING THREE FACTOR AUTHENTICATION	<b>Mr. Mitul Patel</b>	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	6, 2020	August, 2020	2455-2585	42-47

**SCHOOL OF ARCHITECTURE**

1	Characterization and application of mixed micellar assemblies of PEO-PPO star block copolymers for solubilization of hydrophobic anticancer drug and in vitro release	<b>Mr. Sagar Desai</b>	Journal of Molecular Liquids Elsevier	313, 2020	1, Jun	113543	
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**SCHOOL OF NURSING**

1	GARBH SANSKAR: AN OVERVIEW	<b>Ms. Jannet reena Purani</b>	International Journal of Research and Analytical Reviews (IJRAR)	07, 2020	Issue 2 May 2020	2348-1269	
2	COVID-19 PANDAMIC OUTBREAK: THE PREGNANCY CONCERNS	<b>Ms. Kinjal Mistry</b>	International Journal of Current Advanced Research	09, 2020	Issue 05 (C) May 2020	2319-6475	
3	A study to assess the knowledge and attitude regarding Organ Donation among the students studying in selected colleges of Ahmedabad, Gujarat State. With a view to developed an information booklet	<b>Ms. Zeel Rathod</b>	International Journal of Research and Analytical Reviews (IJRAR)	7, 2020	Issue 3 August 2020,	2348-1269	
4	A STUDY TO ASSESS THE EFFECTIVENESS OF SELF INSTRUCTIONAL MODULE AMONG MOTHERS ON IMPORTANCE OF OUTDOOR PHYSICAL ACTIVITY FOR CHILDREN 6-12 YEARS OF AGE IN SELECTED APARTMENTS	<b>Mr. Chandrashekhara</b>	International Journal of Research and Analytical Reviews (IJRAR)	7, 2020	Issue 1 March 2020	2348-1269	

5	A STUDY TO EVALUATE THE EFFECTIVENESS OF VIDEO ASSISTED TEACHING ON KNOWLEDGE REGARDING FIRST AID MANAGEMENT ON SELECTED HEALTH EMERGENCIES OF UNDER FIVE CHILDREN AMONG ANGANWADI WORKERS.	<b>Ms. Percis. S</b>	JETIR	7, 2020	Issue 5 May 2020	2349-5162	
6	Well Balanced Diet among Mothers of Pre-Schooler	<b>Mr. Sateesh Biradar, Dr. Parampal Kaur Cheema</b>	Asian Journal of Nursing Education and Research	9, 2019	4, Oct-Dec, 2019	2231-1149	1 to 4
7	Iron Deficiency Anaemia and its Prevention among Primi Antenatal	<b>Ms. Ashwini Patil, Mr. Sateesh Biradar</b>	International Journal of Nursing Education and Research	7, 2019	3, July-Sep, 2019	2347-8640	333-336

<b>SCHOOL OF PHYSIOTHERAPY</b>							
1	A STUDY TO COMPARE THE EFFECT OF MULLIGAN MOBILIZATION ON NECK DISABILITY INDEX (NDI) AND RANGE OF MOTION (ROM) IN PATIENTS WITH MECHANICAL NECK PAIN: A RANDOMIZED CONTROL TRIAL	<b>Dr. Ashish Mathur, Dr. Rahul Chhatalani, Dr. Payal Mehta</b>	International Journal of Research and Analytical Reviews (IJRAR)	07, 2020	Issue 2 May 2020	2348-1269 2349-5138	
2	A Study to Correlate Modified Modified Ashworth Scale(Mmas) and Modified Tardieu Scale(Mts) with H-Reflex to Assess Planterflexor Spasticity in Chronic Post-Stroke Patients- An Observational Study	<b>Dr. Rahul Chhatalani, Dr. Payal Mehta</b>	Indian Journal of Physiotherapy and Occupational Therapy	14, 2020	1 Jan-March 2020	0	

3	A Study to Find Out the Effect of Extracorporeal Shock Wave Therapy for Chronic Musculoskeletal Conditions – A Systematic Review	<b>Dr. Rahul Chhatalani</b>	Indian Journal of Physiotherapy and Occupational Therapy	13, 2019	Issue-04, Oct-Dec, 2019	0973-5674	
4	A Study to Co-Relate the Foot Posture Index, H/M Ratio and Spatial Gait Parameters in post Stroke patients with Ankle Planter Flexor Carf) Spasticity An Observational Study	<b>Dr. Rahul Chhatalani</b>	Indian Journal of Physiotherapy and Occupational Therapy	14, 2020	No. 01 Jan-March 2020	0	
5	A Study to Find the Effect of Comprehensive Directed Breathing (CDB) on Exertional Dyspnea in Mild to Moderate Chronic Obstructive Pulmonary Disease (copd) Patients - An Interventional Study	<b>Dr. Haribabu K V</b>	IJRAR	07, 2020	Issue-03 July 2020	2348-1269 2349-5138	
6	INTER-RATER AND INTRA-RATER RELIABILITY OF POSTURAL ANALYSIS SOFTWARE(MATLAB 7.11 R2010B)	<b>Dr. Bindesh D. Patel,</b> Ms. Payal B. Rathi, Mr. Nirav N. Viradiya	International Journal of Physiotherapy and Research	8, 2020	3, March. 2020	2321-1822	3452-3456

<b>SCHOOL OF LIBERAL ARTS AND MANAGEMENT STUDIES</b>							
1	Teleshopping Impulsive Buying Behaviour	<b>Dr. Ashwin Santoki</b>	Purakala (UGC Care Journal)	31, 2020	Issue-32 May 2020	0971-2143	
2	MARKETING STRATEGIES DURING COVID-19	<b>Dr. Ashwin Santoki</b>	JOURNAL OF CRITICAL REVIEWS	7, 2020	Issue- 11 2020	2394-5125	
3	An Empirical Study on Attitude Towards Mobile Advertising Among Millennial Generation in Surat City	Riddish Joshi <b>Ms. Sayyeda Jatniwala</b>	IJRESM	02, 2019	9	2581-5792	98-104



SCHOOL OF DESIGN							
1	Understanding reasons of Slow growth in Development of traditional Fibre Craft " NETTLE" Industry of Uttarakhand.	<b>Mr. Abhisek Ganeshgudi and Mr. Bhavin Patel</b>	IJFTR	02, 2019	9	2581-5792	23-27

Library							
1	Library Automation and Present Era	<b>Dr. Paresh Ilasariya and Manjula Parmar</b>	IMEJ	08, 2019	August, 2019	2277-4262	12 to 16
2	Library Services and Facilities of Sardar Krishinagar Dantiwada Agricultural University: A Study"	<b>Dr. Paresh Ilasariya and Manjula Parmar</b>	Online International Interdisciplinary Research Journal	09, 2019	September, 2019	2249-9598	65-71
3	Use of Information Technology By. M. Phil Students of Hemchandracharya North Gujarat University: a Comparative Study	<b>Dr. Paresh Ilasariya and Manjula Parmar</b>	International Journal of Research	9, 2020	March 2020	2236-6124	77-86