

Research papers published by Faculties of PDPIAS

2020-2021							
S. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
1	Electro-optic transport through Janus monolayers of In ₂ SSe, In ₂ STe and In ₂ SeTe	Trupti K. Gajaria, Shweta D. Dabhi, and Prafulla K. Jha	PDPIAS	AIP Conference Proceedings	2020	ISBN: 978-0-7354-2025-0	https://aip.scitation.org/doi/abs/10.1063/5.0016948
2	Superior Electrochemical Activity of CdSe Thin Film by Chromium Substitutional Doping	PAYAL CHAUHAN, G. K. SOLANKI, C K SUMESH ; ALKESHBHAI BHIKHABHAI PATEL; S. S. SONI, K. D. PATEL, V. M. PATHAK, P. K. JHA,	PDPIAS	Journal of Alloys and Compounds	2020	0925-8388	https://doi.org/10.1016/j.jallcom.2020.158016
3	Silica anchored colloidal suspension of magnetite nanorods	(MAIN) OS - NIDHI RUPARELIA, P D PATEL INSTITUTE OF APPLIED SCIENCES, CHAROTAR	PDPIAS	Journal of Solid State Chemistry	2020	0022-4596	10.1016/j.jssc.2020.121574

		UNIVERSITY OF SCIENCE AND TECHNOLOGY; (CORR) CE - RUCHA PRADIPKUMAR DESAI (3025), CHARUSAT; (CO) CE - ARABINDA RAY (3035), CHARUSAT; (CO) CE - URVESHKUMAR SUNILKUMAR SONI (3120), CHARUSAT					
4	Biosynthesis of magnetite nanoparticles: An eco-friendly and scalable approach	(MAIN & CORR) CE - KINNARI HARSUMANBHAI PAREKH (606), CHARUSAT; (CO) CS - NAIR JAYALAKSHMI MURALIDHA	KARDLE	Advances in Natural Sciences: Nanoscience and Nanotechnology	2020	2043-6262	https://doi.org/10.1088/2043-6254/aba896

		RAN (15PHY008), CHARUSAT; (CO) CS - BHARDWAJ ANAND (17DRNST003), CHARUSAT					
5	Flexible piezo-resistive pressure sensor based on conducting PANI on paper substrate	(MAIN & CORR) OS - PRATIK, PDPIAS,CHAR USAT; (CO) CE - DR C K SUMESH (481), CHARUSAT	PDPIAS	Nanotechn ology	2020	1361- 6528	https://doi.org/10.1088/1361-6528/aba4cd
6	Life-Cycle Evaluation of Anisotropic Particle-Based Magnetorheological Fluid in MR Brake Performance	(MAIN) CS - PATEL SACHINKUM AR RAMESHBHAI (15DRNST001), CHARUSAT; (CORR) CE - DR.R V UPADHYAY (3008), CHARUSAT; (CO) CE - DIPALKUMAR M PATEL	PDPIAS	Brazilian Journal of Physics	2020	0103- 9733	https://doi.org/10.1007/s13538-020-00781-8

		(485), CHARUSAT					
7	In vitro hyperthermic effect of magnetic fluid on cervical and breast cancer cells	(MAIN) CS - BHARDWAJ ANAND (17DRNST003), CHARUSAT; (CORR) CE - DR.NEERAJ DEVENDRA JAIN (3023), CHARUSAT; (CO) CE - KINNARI HARSUMANB HAI PAREKH (606), CHARUSAT	KRADL E	Scientific Reports	2020	2045- 2322	https://doi.org/10.1038/s41598-020-71552-3

8	Controllability of ferrofluids' dielectric spectrum by means of external electric forces	(MAIN & CORR) ON - MICHAL RAJNAK, INSTITUTE OF EXPERIMENT AL PHYSICS SAS,; (CO) CE - DR.R V UPADHYAY (3008), CHARUSAT; (CO) CE - KINNARI HARUMANB HAI PAREKH (606), CHARUSAT; (CO) ON - KATARINA PAULOVICOV A, INSTITUTE OF EXPERIMENT AL PHYSICS SAS,; (CO) ON - PETER KOPCANSKY, INSTITUTE OF EXPERIMENT AL PHYSICS SAS,; (CO) ON	KRADL E	J. Phys. D: Appl. Phys.	2020	1361- 6463	https://doi.org/10.1088/1361-6463/abbeb6
---	--	--	------------	----------------------------	------	---------------	---

		<p>- MILAN TIMKO, INSTITUTE OF EXPERIMENT AL PHYSICS SAS,; (CO) ON - BYSTRIK DOLNIK, FACULTY OF ELECTRICAL ENGINEERIN G AND INFORMATIC S, TECHNICAL UNIVERSITY OF KOŠICE,; (CO) ON - JAKUB KREMPASKY, FACULTY OF ELECTRICAL ENGINEERIN G AND INFORMATIC S, TECHNICAL UNIVERSITY OF KOŠICE,; (CO) ON - ROMAN CIMBALA,</p>					
--	--	--	--	--	--	--	--

		FACULTY OF ELECTRICAL ENGINEERING AND INFORMATICS, TECHNICAL UNIVERSITY OF KOŠICE,					
9	Repurposing distillation waste biomass and low-value mineral resources through biochar-mineral-complex for sustainable production of high-value medicinal plants and soil quality improvement	(MAIN) CE - ATANU BANERJEE (5008), CHARUSAT; (CORR) ON - B.B.BASAK, INDIAN COUNCIL OF AGRICULTURAL	KRADL E	Science of The Total Environment	2020	1879-1026	https://doi.org/10.1016/j.scitotenv.2020.143319

		RESEARCH (ICAR) DEPT. OF AGRICULTUR AL RESEARCH AND EDUCATION (DARE), GOVT. OF INDIA					
10	Contribution of the positional and orientational ordering in anisotropic particles based MR fluids:Static and dynamic rheological Study	(MAIN & CORR) CE - KINNARI HARSUMANB HAI PAREKH (606), CHARUSAT; (CO) CE - DR.R V UPADHYAY (3008), CHARUSAT; (CO) CS - PISUWALA MUJIBA SHAMIMAHE MAD (17DRNST001), CHARUSAT	KRADL E	Rheologica Acta	2020	1435- 1528	https://doi.org/10.1007/s00397-020-01251-3

11	Optimization of Design Parameters Affecting the Performance of a Magnetic Fluid Rotary Seal	(MAIN & CORR) CS - PARMAR SAURABHSINH DIPAKSINH (15DRNST002), CHARUSAT; (CO) CE - DR.R V UPADHYAY (3008), CHARUSAT; (CO) CE - KINNARI HARSUMANBHAI PAREKH (606), CHARUSAT	KRADLE	Arabian Journal for Science and Engineering	2020	2191-4281	https://doi.org/10.1007/s13369-020-05094-1
12	Rhenium substitutional doping for enhanced photoresponse of n-SnSe ₂ /p-Si heterojunction based tunable and high-performance visible-light photodetector	(MAIN & CORR) OT - G K SOLANKI, S P UNIVERSITY; (CO) CE - DR C K SUMESH (481), CHARUSAT	PDPIAS	Applied Surface Science	2020	016-9433	https://doi.org/10.1016/j.apsusc.2020.147739

13	Enhanced Antifungal Activity of WS ₂ /ZnO Nanohybrid against <i>Candida albicans</i>	(MAIN & CORR) CE - DR C K SUMESH (481), CHARUSAT; (CO) CS - PATEL MESWA HARSHADKUMAR (18DRNST002), CHARUSAT; (CO) CS - BHATT VIDHI KALPESH (18DRBIO001), CHARUSAT; (CO) OS - PRATIK PATANIA, CHARUSAT; (CO-S) CE - BRAGADISH D IYER (3005), CHARUSAT	PDPIAS	ACS Biomaterials Science & Engineering	2020	2373-9878	https://dx.doi.org/10.1021/acsbio materials.0c00786
----	---	--	--------	--	------	-----------	---

14	Plasmon-enhanced photoresponse in Ag-WS ₂ /Si heterojunction	(MAIN & CORR) CE - DR C K SUMESH (481), CHARUSAT; (CO) CS - PATEL MESWA HARSHADKUMAR (18DRNST002), CHARUSAT; (CO) OS - PRATIK PATANIA, CHARUSAT; (CO) OT - DATTATRAY J. LATE, CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY, AMITY UNIVERSITY	PDPIAS	Applied Surface Science	2020	016-9433	https://doi.org/10.1016/j.apsusc.2020.148121
----	---	---	--------	-------------------------	------	----------	---

15	Highly sensitive and flexible pressure sensor based on two-dimensional MoSe ₂ nanosheets for online wrist pulse monitoring	(MAIN) OS - PRATIK PATANIA, CHARUSAT; (CORR) CE - DR C K SUMESH (481), CHARUSAT; (CO) OS - SANJAY A. BHAKHAR, S P UNIVERSITY; (CO) OS - MOHIT TANNARANA, DEPARTMENT OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR 388120, GUJARAT, INDIA; (CO) OS - CHETAN ZANKAT, DEPARTMENT OF	PDPIAS	Journal of Colloid and Interface Science	2020	0021-9797	https://doi.org/10.1016/j.jcis.2020.10.006
----	---	--	--------	--	------	-----------	---

		PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGA R 388120, GUJARAT, INDIA; (CO) OS - VIKAS PATEL, SOPHISTICAT ED INSTRUMENT ATION CENTRE FOR APPLIED RESEARCH AND TESTING (SICART), VALLABH VIDYANAGA R, ANAND, GUJARAT 388 120, INDIA; (CO) OT - G K SOLANKI, DEPARTMEN T OF PHYSICS, SARDAR PATEL					
--	--	---	--	--	--	--	--

		UNIVERSITY, VALLABH VIDYANAGA R 388120, GUJARAT, INDIA; (CO) OT - K D PATEL, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGA R 388120, GUJARAT, INDIA; (CO) OT - P K JHA, DEPARTMEN T OF PHYSICS, FACULTY OF SCIENCE, THE MAHARAJ SAIJIRAO UNIVERSITY OF BARODA, VADODARA 390002, GUJARAT,					
--	--	--	--	--	--	--	--

		INDIA; (CO) OT - DATTATRAY J. LATE, CENTRE FOR NANOSCIENC E & NANOTECHN OLOGY, AMITY UNIVERSITY MAHARASHT RA					
--	--	--	--	--	--	--	--

16	Self-powered photodetector based on SnSe ₂ /MoSe ₂ heterostructure	(MAIN) OS - CHETAN K. ZANKAT, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY; (CORR) OT - PRATIK PATANIA, CHARUSAT; (CO) CE - DR C K SUMESH (481), CHARUSAT; (CO) OS - ABHISHEK PATEL, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY; (CO) OS - SANJAY A. BHAKHAR, DEPARTMEN T OF PHYSICS,	PDPIAS	Materials Today Energy	2020	246-8606	https://doi.org/10.1016/j.mtener.2020.100550
----	--	--	--------	------------------------------	------	----------	---

		SARDAR PATEL UNIVERSITY; (CO) OS - SOM NARAYAN, DEPARTMEN T OF PHYSICS, FACULTY OF SCIENCE, M.S. UNIVERSITY OF BARODA, VADODARA, 39000, INDIA; (CO) OT - P K JHA, DEPARTMEN T OF PHYSICS, FACULTY OF SCIENCE, M.S. UNIVERSITY OF BARODA, VADODARA, 39000, INDIA; (CO) OT - G K SOLANKI, DEPARTMEN T OF PHYSICS, SARDAR PATEL					
--	--	---	--	--	--	--	--

		<p>UNIVERSITY, VALLABH VIDYANAGA R, 388120, INDIA; (CO) OT - K D PATEL, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGA R, 388120, INDIA; (CO) OT - V M PATHAK, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGA R, 388120, INDIA</p>					
17	In-silico identification of adsorbent for separation of ethane/ethylene mixture	(MAIN) CS - SOLANKI VIRAL	PDPIAS	Journal of Molecular Modeling	2020	0948- 5023	10.1007/s00894-020-04612-0

		ANILBHAI (17DRNST002), CHARUSAT; (CORR) CE - DR. BHASKARJYO TI BORAH (3054), CHARUSAT					
18	Computational screening of metal–organic framework structures for separation of propane/propene mixture	(MAIN) CS - SOLANKI VIRAL ANILBHAI (17DRNST002), CHARUSAT; (CORR) CE - DR. BHASKARJYO TI BORAH (3054), CHARUSAT	PDPIAS	Molecular Simulation	2020	1029- 0435	10.1080/08927022.2020.1822528
19	The synthesis and characterization of Zn(II)/Cd(II) based MOFs by a mixed ligand strategy: a Zn(II) MOF as a dual functional material for reversible dye adsorption and as a heterogeneous catalyst for the Biginelli reaction	(MAIN) CS - PATEL UNNATI DIPAKKUMA R (16DRCHE001) , CHARUSAT; (CORR) CE - ABHISHEK NATHALAL DADHANIA	AOC	MATERIA LS CHEMIST RY FRONTIE RS	2020	2052- 1537	10.1039/d0qm00611d

		(3049), CHARUSAT; (CO) OS - BHAVESH PARMAR, CSIR-CSMCRI; (CO) OS - PARTH PATEL, CSIR- CSMCRI; (CO) OT - E. SURESH, CSIR-CSMCRI					
20	Chaos in a three-cell population cancer model with variable-order fractional derivative with power, exponential and Mittag-Leffler memories	(MAIN) CE - KRUNALKUM AR BHUPENDRA BHAI KACHHIA (878), CHARUSAT; (CORR) OT - J.F. GÓMEZ- AGUILAR, CONACYT- TECNOLÓGIC O NACIONAL DE MÉXICO/CENI DET; (CO) OT - J.E. SOLÍS- PÉREZ,	PDPIAS	Chaos, Solitons and Fractals	2020	0960- 0779	https://doi.org/10.1016/j.chaos.2020.110177

		TECNOLOGIC O NACIONAL DE MÉXICO/CENI DET					
21	Fractional electromagnetic waves in plasma and dielectric media with Caputo generalized fractional derivative	(MAIN) CS - BHANGALE NIKITABEN PRADIPBHAI (17DRMTH002) , CHARUSAT; (CORR) CE - KRUNALKUM AR BHUPENDRA BHAI KACHHIA (878), CHARUSAT	PDPIAS	Revista Mexicana de Física	2020	0035- 001x	https://doi.org/10.31349/RevMex Fis.66.848
22	The p-deformed Generalized Humbert Polynomials and Their Properties	(MAIN & CORR) CE - RAJESH VASANTBHAI SAVALIA (876), CHARUSAT; (CO) OT - DR. B. I. DAVE, THE MAHARAJA SAYAJIRAO	PDPIAS	Kyungpook Mathemati cal Journal	2020	1225- 6951	https://doi.org/10.5666/KMJ.2020 .60.4.731

		UNIVERSITY OF BARODA					
23	Effect of Vowels and Consonants in Psycholinguistic differentiation of South Indian Dravidian words using relative priming and hierarchical clustering	(MAIN) CE - RADHIKA BHAT (2065), CHARUSAT; (CORR) CE - ANOOP RAVINDRAN ATH MARKANDE (3122), CHARUSAT	PDPIAS	Jadavpur Journal of Languages and Linguistics	2020	2581-494X	NA
24	Need for guidance and counselling among University students of Kheda region, Gujarat, India	(MAIN) CE - RADHIKA BHAT (2065), CHARUSAT; (CORR) CE - ANOOP RAVINDRAN ATH MARKANDE (3122), CHARUSAT; (CO) OT - M.G. MANSURI, NALINI ARTS COLLEGE	PDPIAS	The International Journal of Indian Psychology	2020	2348-5396	10.25215/0803.088

25	Blocking integrin $\alpha 4\beta 7$ -mediated CD4 T cell recruitment to the intestine and liver protects mice from western diet-induced non-alcoholic steatohepatitis	(MAIN) ON - RAVI P. RAI, UNIVERSITY OF PITTSBURGH; (CORR) OT - REBEN RAEMAN, UNIVERSITY OF PITTSBURGH; (CO) CE - CHIRAYU RAMESHCHANDRA DESAI (3060), CHARUSAT; (CO) ON - YUNSHAN LIU, EMORY UNIVERSITY; (CO) ON - BIKI GUPTA, UNIVERSITY OF PITTSBURGH; (CO) ON - PRADEEP KUMAR, EMORY UNIVERSITY; (CO) ON -	PDPIAS	Journal of Hepatology	2020	0168-8278	https://doi.org/10.1016/j.jhep.2020.05.047
----	---	--	--------	-----------------------	------	-----------	---

		TEKLA SMITH, EMORY UNIVERSITY; (CO) OT - AATUR D. SINGHI, UNIVERSITY OF PITTSBURGH; (CO) OT - ASMA NUSRAT, UNIVERSITY OF MICHIGAN; (CO) OT - CHARLES A. PARKOS, UNIVERSITY OF MICHIGAN; (CO) OT - SATDARSHA N P. MONGA, UNIVERSITY OF PITTSBURGH; (CO) OT - MARK J. CZAJA, EMORY					
--	--	---	--	--	--	--	--

		UNIVERSITY; (CO) OT - FRANK A. ANANIA, FOOD AND DRUG ADMINISTRA TION; (CO) OT - SMITA S. IYER, UNIVERSITY OF CALIFORNIA; (CO) OT - SILVIA LIU, UNIVERSITY OF PITTSBURGH					
26	Role of advanced glycation end products and insulin resistance in diabetic nephropathy	(MAIN) CS - PARWANI KIRTI DILIP (14DRBIO001), CHARUSAT; (CORR) CE - PALASH MANDAL (3065), CHARUSAT	PDPIAS	Archives of Physiology and Biochemist ry	2020	1744- 4160	https://doi.org/10.1080/13813455.2020.1797106

27	Degradation and Toxicity Analysis of a Reactive Textile Diazo Dye-Direct Red 81 by Newly Isolated Bacillus sp. DMS2	(MAIN) OS - SHIVANI AMIN, POST-GRADUATE DEPARTMENT OF BIOSCIENCES, UGC-CENTRE OF ADVANCED STUDY, SARDAR PATEL UNIVERSITY; (CORR) OT - DATTA MADAMWAR, P.D. PATEL INSTITUTE OF APPLIED SCIENCES, CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY; (CO) CE - CHIRAYU RAMESHCHANDRA DESAI (3060), CHARUSAT;	PDPIAS	Frontiers in Microbiology	2020	1664-302X	10.3389/fmicb.2020.576680
----	---	--	--------	---------------------------	------	-----------	---------------------------

		(CO) ON - KUNAL JAIN, POST- GRADUATE DEPARTMEN T OF BIOSCIENCES, UGC-CENTRE OF ADVANCED STUDY, SARDAR PATEL UNIVERSITY; (CO) OS - MUKESH GHANSHYAM CHAUBEY, SHREE A. N. PATEL PG INSTITUTE OF SCIENCE AND RESEARCH, SARDAR PATEL UNIVERSITY; (CO) OT - JYOTI DIVECHA, DEPARTMEN T OF STATISTICS,					
--	--	---	--	--	--	--	--

		SARDAR PATEL UNIVERSITY; (CO-S) ON - RAJESH PRASAD RASTOGI, MINISTRY OF ENVIRONME NT, FORESTS AND CLIMATE CHANGE, NEW DELHI, INDIA					
--	--	--	--	--	--	--	--

28	Polycyclic Aromatic Hydrocarbons: Sources, Toxicity, and Remediation Approaches	(MAIN) OS - AVANI BHARATKUMAR PATEL, POST GRADUATE DEPARTMENT OF BIOSCIENCES, UGC CENTRE OF ADVANCED STUDY, SARDAR PATEL UNIVERSITY; (CORR) CE - CHIRAYU RAMESHCHANDRA DESAI (3060), CHARUSAT; (CO) CS - SHAIKH SHABNAMBANU ABDULSATTAR BHAI (18DRBIO002), CHARUSAT; (CO) ON - KUNAL JAIN,	PDPIAS	Frontiers in Microbiology	2020	1664-302X	https://doi.org/10.3389/fmicb.2020.562813
----	---	--	--------	---------------------------	------	-----------	---

		POST GRADUATE DEPARTMENT OF BIOSCIENCES, UGC CENTRE OF ADVANCED STUDY, SARDAR PATEL UNIVERSITY; (CO-S) ON - DATTA MADAMWAR, CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY					
29	Characterizing the bacterial consortium ASDF capable of catabolic degradation of fluoranthene and other mono- and poly-aromatic hydrocarbons Sagar S. Vaidya1 · Avani Bharatkumar	(MAIN & CORR) OT - PROF. DATTA MADAMWAR, POST GRADUATE DEPARTMENT OF BIOSCIENCES, UGC CENTRE OF	PDPIAS	3 Biotech	2020	2190-572X	https://doi.org/10.1007/s13205-020-02478-w

		ADVANCED STUDY, SARDAR PATEL UNIVERSITY,; (CO) CE - DR.SEEMA R AMIN (3011), CHARUSAT					
30	Interactive potential of Pseudomonas species with plants	(MAIN & CORR) CE - ANOOP RAVINDRAN ATH MARKANDE (3122), CHARUSAT; (CO) OS - SUHANA SHAIKH, NAGINDAS HIRALAL BHAYANI, ANKLESHWAR, GUJARAT, INDIA; (CO) OS - NUTAN YADAV, CG BHAKTA INSTITUTE OF BIOTECHNOLOGY, UKA	PDPIAS	Journal of Applied Biology & Biotechnology	2020	2347-212X	10.7324/JABB.2020.80616

		TARSADIA UNIVERSITY, BARDOLI, GUJARAT, INDIA					
31	ROOT ASSOCIATED BACTERIAL ENDOPHYTES FROM POACEAE PLANTS: IDENTIFICATION, CHARACTERIZATION AND PLANT GROWTH PROMOTION	(MAIN & CORR) CE - JANKIBEN KIRITBHAI PATEL (3125), CHARUSAT	PDPIAS	JOURNAL OF MICROBIOLOGY, BIOTECHNOLOGY AND FOOD SCIENCES	2020	1338-5178	10.15414/jmbfs.2020.10.3.478-483
32	ELICITATION OF PLANT DEFENSE AGAINST FUSARIUM OXYSPORUM F.SP. CICERIS IN CHICKPEA PLANT USING MARINE MICROCOCCUS SP.	(MAIN & CORR) CE - JANKIN THAKKER (3002), CHARUSAT; (CO) CS - PATEL KEYUR BHUPENDRA BHAI (14DRBIO003), CHARUSAT; (CO) CS - PATEL PALAK	PDPIAS	The Journal of Microbiology, Biotechnology and Food Sciences	2020	1338-5178	10.15414/jmbfs.2020.10.3.361-365

		PRAKASHBH AI (16BT020), CHARUSAT; (CO) ON - PINAKIN DHANDHUKI A, SPTMC, VNSGU, CHARUSAT					
33	Western diet-induced increase in colonic bile acids compromises epithelial barrier in nonalcoholic steatohepatitis.	Gupta B, Liu Y, Chopyk DM, Rai RP, Desai C, Kumar P, Farris AB, Nusrat A, Parkos CA, Anania FA, Raeman R.	PDPIAS	The FASEB Journal	2020	0892- 6638	https://faseb.onlinelibrary.wiley.com/doi/abs/10.1096/fj.201902687R
34	Design, synthesis, and characterization of novel substituted 1,2,4-oxadiazole and their biological broadcast.	Paranjay H. Parikh (Main), Jignesh B. Timaniya, Mrugesh J. Patel & Kaushal P. Patel (Corr)	PDPIAS	Medicinal Chemistry Research	2020	Print - 1054- 2523 , Online - 1554- 8120	https://doi.org/10.1007/s00044-020-02505-8
35	Metal-free approach for one-pot synthesis of 3-aryl-furo[3,2-c]coumarins	Mrugesh Patel (Main), Paranjay Parikh, Jignesh Timaniya, and Kaushal Patel (Corr)	PDPIAS	ARKIVOC	2020	Print - 1551- 7004 , Online - 1551- 7012	https://doi.org/10.24820/ark.5550190.p011.170

36	MAGNETIC FLUID-BASED SQUEEZE FILM BETWEEN CURVED POROUS ANNULAR PLATES CONSIDERING THE ROTATION OF MAGNETIC PARTICLES AND SLIP VELOCITY	Niru C. Patel, Jimit R. Patel	PDPIAS	Journal of the Serbian Society for Computational Mechanics	2020	1820-6530	http://doi.org/10.24874/jsscm.2020.14.02.05
37	Diameter and strain dependent structural, electronic and optical properties of gallium phosphide nanowires	Trupti K. Gajaria, Shweta D. Dabhi, and Prafulla K. Jha	PDPIAS	Lambert Academic publishing	12-Jul-2019	ISBN: 978-0-7354-1851-6	
38	Superior Electrochemical Activity of CdSe Thin Film by Chromium Substitutional Doping	PAYAL CHAUHAN, G. K. SOLANKI, C K SUMESH ; ALKESHBHAI BHIKHABHAI PATEL; S. S. SONI, K. D. PATEL, V. M. PATHAK, P. K. JHA,	CIPS	Journal of Alloys and Compounds	2020	0925-8388	https://doi.org/10.1016/j.jallcom.2020.158016
39	Silica anchored colloidal suspension of magnetite nanorods	(MAIN) OS - NIDHI RUPARELIA, P D PATEL INSTITUTE OF APPLIED SCIENCES, CHAROTAR UNIVERSITY	PDPIAS	Journal of Solid State Chemistry	2020	0022-4596	10.1016/j.jssc.2020.121574

		OF SCIENCE AND TECHNOLOGY; (CORR) CE - RUCHA PRADIPKUMAR DESAI (3025), CHARUSAT; (CO) CE - ARABINDA RAY (3035), CHARUSAT; (CO) CE - URVESHKUMAR SUNILKUMAR SONI (3120), CHARUSAT					
40	Biosynthesis of magnetite nanoparticles: An eco-friendly and scalable approach	(MAIN & CORR) CE - KINNARI HARSUMANBHAI PAREKH (606), CHARUSAT; (CO) CS - NAIR JAYALAKSHMI MURALIDHARAN	KARDLE	Advances in Natural Sciences: Nanoscience and Nanotechnology	2020	2043-6262	https://doi.org/10.1088/2043-6254/aba896

		(15PHY008), CHARUSAT; (CO) CS - BHARDWAJ ANAND (17DRNST003), CHARUSAT					
41	Flexible paper based piezo-resistive sensor functionalised by 2D-WSe2 nanosheets	(MAIN & CORR) OS - PRATIK, PDPIAS,CHAR USAT; (CO) CE - DR C K SUMESH (481), CHARUSAT	PDPIAS	Nanotechn ology	2020	1361- 6528	https://doi.org/10.1088/1361-6528/aba4cd
42	Life-Cycle Evaluation of Anisotropic Particle-Based Magnetorheological Fluid in MR Brake Performance	(MAIN) CS - PATEL SACHINKUM AR RAMESHBHAI (15DRNST001), CHARUSAT; (CORR) CE - DR.R V UPADHYAY (3008), CHARUSAT; (CO) CE - DIPALKUMAR M PATEL (485),	PDPIAS	Brazilian Journal of Physics	2020	0103- 9733	https://doi.org/10.1007/s13538-020-00781-8

		CHARUSAT					
43	In vitro hyperthermic effect of magnetic fluid on cervical and breast cancer cells	(MAIN) CS - BHARDWAJ ANAND (17DRNST003), CHARUSAT; (CORR) CE - DR.NEERAJ DEVENDRA JAIN (3023), CHARUSAT; (CO) CE - KINNARI HARSUMANB HAI PAREKH (606), CHARUSAT	PDPIAS	Scientific Reports	2020	2045- 2322	https://doi.org/10.1038/s41598-020-71552-3
44	Controllability of ferrofluids' dielectric spectrum by means of external electric forces	(MAIN & CORR) ON - MICHAL RAJNAK, INSTITUTE OF EXPERIMENT AL PHYSICS SAS,; (CO) CE - DR.R V UPADHYAY (3008),	KARDL E	J. Phys. D: Appl. Phys.	2020	1361- 6463	https://doi.org/10.1088/1361-6463/abb6b6

		<p>CHARUSAT; (CO) CE - KINNARI HARSUMANB HAI PAREKH (606), CHARUSAT; (CO) ON - KATARINA PAULOVICOV A, INSTITUTE OF EXPERIMENT AL PHYSICS SAS.; (CO) ON - PETER KOPCANSKY, INSTITUTE OF EXPERIMENT AL PHYSICS SAS.; (CO) ON - MILAN TIMKO, INSTITUTE OF EXPERIMENT AL PHYSICS SAS.; (CO) ON - BYSTRIK DOLNIK, FACULTY OF ELECTRICAL ENGINEERIN</p>					
--	--	---	--	--	--	--	--

		G AND INFORMATIC S, TECHNICAL UNIVERSITY OF KOŠICE;; (CO) ON - JAKUB KREMPASKY, FACULTY OF ELECTRICAL ENGINEERIN G AND INFORMATIC S, TECHNICAL UNIVERSITY OF KOŠICE;; (CO) ON - ROMAN CIMBALA, FACULTY OF ELECTRICAL ENGINEERIN G AND INFORMATIC S, TECHNICAL UNIVERSITY OF KOŠICE,					
--	--	--	--	--	--	--	--

45	Repurposing distillation waste biomass and low-value mineral resources through biochar-mineral-complex for sustainable production of high-value medicinal plants and soil quality improvement	(MAIN) CE - ATANU BANERJEE (5008), CHARUSAT; (CORR) ON - B.B.BASAK, INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR) DEPT. OF AGRICULTURAL RESEARCH AND EDUCATION (DARE), GOVT. OF INDIA	KARDL E	Science of The Total Environment	2020	1879-1026	https://doi.org/10.1016/j.scitotenv.2020.143319
46	Contribution of the positional and orientational ordering in anisotropic particles based MR fluids:Static and dynamic rheological Study	(MAIN & CORR) CE - KINNARI HARSUMANB HAI PAREKH (606), CHARUSAT; (CO) CE - DR.R V UPADHYAY	KARDL E	Rheologica Acta	2020	1435-1528	https://doi.org/10.1007/s00397-020-01251-3

		(3008), CHARUSAT; (CO) CS - PISUWALA MUJIBA SHAMIMAHE MAD (17DRNST001), CHARUSAT					
47	Optimization of Design Parameters Affecting the Performance of a Magnetic Fluid Rotary Seal	(MAIN & CORR) CS - PARMAR SAURABHSIN H DIPAKSINH (15DRNST002), CHARUSAT; (CO) CE - DR.R V UPADHYAY (3008), CHARUSAT; (CO) CE - KINNARI HARSUMANB HAI PAREKH (606), CHARUSAT	KARDL E	Arabian Journal for Science and Engineerin g	2020	2191- 4281	https://doi.org/10.1007/s13369-020-05094-1
48	Rhenium substitutional doping for enhanced photoresponse of n-SnSe ₂ /p-Si heterojunction based tunable and high-performance visible-light photodetector	(MAIN & CORR) OT - G K SOLANKI, S P UNIVERSITY;	PDPIAS	Applied Surface Science	2020	016-9433	https://doi.org/10.1016/j.apsusc.2020.147739

		(CO) CE - DR C K SUMESH (481), CHARUSAT					
49	Enhanced Antifungal Activity of WS ₂ /ZnO Nanohybrid against <i>Candida albicans</i>	(MAIN & CORR) CE - DR C K SUMESH (481), CHARUSAT; (CO) CS - PATEL MESWA HARSHADKU MAR (18DRNST002), CHARUSAT; (CO) CS - BHATT VIDHI KALPESH (18DRBIO001), CHARUSAT; (CO) OS - PRATIK PATANIA, CHARUSAT; (CO-S) CE - BRAGADISH D IYER (3005), CHARUSAT	PDPIAS	ACS Biomaterial s Science & Engineerin g	2020	2373- 9878	https://dx.doi.org/10.1021/acsbio materials.0c00786

50	Plasmon-enhanced photoresponse in Ag-WS ₂ /Si heterojunction	(MAIN & CORR) CE - DR C K SUMESH (481), CHARUSAT; (CO) CS - PATEL MESWA HARSHADKUMAR (18DRNST002), CHARUSAT; (CO) OS - PRATIK PATANIA, CHARUSAT; (CO) OT - DATTATRAY J. LATE, CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY, AMITY UNIVERSITY	PDPIAS	Applied Surface Science	2020	016-9433	https://doi.org/10.1016/j.apsusc.2020.148121
51	Highly sensitive and flexible pressure sensor based on two-dimensional MoSe ₂ nanosheets for online wrist pulse monitoring	(MAIN) OS - PRATIK PATANIA, CHARUSAT; (CORR) CE -	PDPIAS	Journal of Colloid and Interface Science	2020	0021-9797	https://doi.org/10.1016/j.jcis.2020.10.006

		<p>DR C K SUMESH (481), CHARUSAT; (CO) OS - SANJAY A. BHAKHAR, S P UNIVERSITY; (CO) OS - MOHIT TANNARANA, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGA R 388120, GUJARAT, INDIA; (CO) OS - CHETAN ZANKAT, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH</p>					
--	--	--	--	--	--	--	--

		<p>VIDYANAGAR 388120, GUJARAT, INDIA; (CO) OS - VIKAS PATEL, SOPHISTICATED INSTRUMENTATION CENTRE FOR APPLIED RESEARCH AND TESTING (SICART), VALLABH VIDYANAGAR, ANAND, GUJARAT 388 120, INDIA; (CO) OT - G K SOLANKI, DEPARTMENT OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGAR 388120, GUJARAT,</p>					
--	--	--	--	--	--	--	--

		<p>INDIA; (CO) OT - K D PATEL, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGA R 388120, GUJARAT, INDIA; (CO) OT - P K JHA, DEPARTMEN T OF PHYSICS, FACULTY OF SCIENCE, THE MAHARAJ SAIYAJIRAO UNIVERSITY OF BARODA, VADODARA 390002, GUJARAT, INDIA; (CO) OT - DATTATRAY J. LATE, CENTRE FOR</p>					
--	--	--	--	--	--	--	--

		NANOSCIENCE & NANOTECHNOLOGY, AMITY UNIVERSITY MAHARASHTRA					
52	Self-powered photodetector based on SnSe ₂ /MoSe ₂ heterostructure	(MAIN) OS - CHETAN K. ZANKAT, DEPARTMENT OF PHYSICS, SARDAR PATEL UNIVERSITY; (CORR) OT - PRATIK PATANIA, CHARUSAT; (CO) CE - DR C K SUMESH (481), CHARUSAT; (CO) OS - ABHISHEK PATEL, DEPARTMENT OF PHYSICS, SARDAR	PDPIAS	Materials Today Energy	2020	246-8606	https://doi.org/10.1016/j.mtener.2020.100550

		<p>PATEL UNIVERSITY; (CO) OS - SANJAY A. BHAKHAR, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY; (CO) OS - SOM NARAYAN, DEPARTMEN T OF PHYSICS, FACULTY OF SCIENCE, M.S. UNIVERSITY OF BARODA, VADODARA, 39000, INDIA; (CO) OT - P K JHA, DEPARTMEN T OF PHYSICS, FACULTY OF SCIENCE, M.S. UNIVERSITY OF BARODA, VADODARA,</p>					
--	--	--	--	--	--	--	--

		39000, INDIA; (CO) OT - G K SOLANKI, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGA R, 388120, INDIA; (CO) OT - K D PATEL, DEPARTMEN T OF PHYSICS, SARDAR PATEL UNIVERSITY, VALLABH VIDYANAGA R, 388120, INDIA; (CO) OT - V M PATHAK, DEPARTMEN T OF PHYSICS, SARDAR PATEL					
--	--	---	--	--	--	--	--

		UNIVERSITY, VALLABH VIDYANAGA R, 388120, INDIA					
53	Photosensitive WS ₂ /ZnO Nano-Heterostructure-Based Electrocatalysts for Hydrogen Evolution Reaction	(MAIN) OS - PRATIK PATANIA, CHARUSAT; (CORR) CE - DR C K SUMESH (481), CHARUSAT; (CO) OT - DATTATRAY LATE, CENTRE FOR NANOSCIENC E AND NANOTECHN OLOGY, AMITY UNIVERSITY MAHARASHT RA	PDPIAS	ACS Applied Energy Materials	2020	2574- 0962	https://dx.doi.org/10.1021/acsaem.0c02608
54	In-silico identification of adsorbent for separation of ethane/ethylene mixture	(MAIN) CS - SOLANKI VIRAL ANILBHAI (17DRNST002), CHARUSAT;	PDPIAS	Journal of Molecular Modeling	2020	0948- 5023	10.1007/s00894-020-04612-0

		(CORR) CE - DR. BHASKARJYO TI BORAH (3054), CHARUSAT					
55	Computational screening of metal–organic framework structures for separation of propane/propene mixture	(MAIN) CS - SOLANKI VIRAL ANILBHAI (17DRNST002), CHARUSAT; (CORR) CE - DR. BHASKARJYO TI BORAH (3054), CHARUSAT	PDPIAS	Molecular Simulation	2020	1029- 0435	10.1080/08927022.2020.1822528
56	The synthesis and characterization of Zn(II)/Cd(II) based MOFs by a mixed ligand strategy: a Zn(II) MOF as a dual functional material for reversible dye adsorption and as a heterogeneous catalyst for the Biginelli reaction	(MAIN) CS - PATEL UNNATI DIPAKKUMA R (16DRCHE001) , CHARUSAT; (CORR) CE - ABHISHEK NATHALAL DADHANIA (3049), CHARUSAT; (CO) OS -	AOC	MATERIA LS CHEMIST RY FRONTIE RS	2020	2052- 1537	10.1039/d0qm00611d

		BHAVESH PARMAR, CSIR-CSMCRI; (CO) OS - PARTH PATEL, CSIR- CSMCRI; (CO) OT - E. SURESH, CSIR-CSMCRI					
57	Chaos in a three-cell population cancer model with variable-order fractional derivative with power, exponential and Mittag-Leffler memories	(MAIN) CE - KRUNALKUM AR BHUPENDRA BHAI KACHHIA (878), CHARUSAT; (CORR) OT - J.F. GÓMEZ- AGUILAR, CONACYT- TECNOLÓGIC O NACIONAL DE MÉXICO/CENI DET; (CO) OT - J.E. SOLÍS- PÉREZ, TECNOLÓGIC O NACIONAL DE	PDPIAS	Chaos, Solitons and Fractals	2020	0960- 0779	NA

		MÉXICO/CENI DET					
58	Fractional electromagnetic waves in plasma and dielectric media with Caputo generalized fractional derivative	(MAIN) CS - BHANGALE NIKITABEN PRADIPBHAI (17DRMTH002) , CHARUSAT; (CORR) CE - KRUNALKUM AR BHUPENDRA BHAI KACHHIA (878), CHARUSAT	PDPIAS	Revista Mexicana de Física	2020	0035- 001x	https://doi.org/10.31349/RevMexFis.66.848
59	The p-deformed Generalized Humbert Polynomials and Their Properties	(MAIN & CORR) CE - RAJESH VASANTBHAI SAVALIA (876), CHARUSAT; (CO) OT - DR. B. I. DAVE, THE MAHARAJA SAYAJIRAO UNIVERSITY	PDPIAS	Kyungpook Mathemati cal Journal	2020	1225- 6951	https://doi.org/10.5666/KMJ.2020.60.4.731

		OF BARODA					
60	Towards efficient photon management in nanostructured solar cells: Role of 2D layered transition metal dichalcogenide semiconductors	C. K. Sumesh	Physical Sciences	Solar Energy Materials & Solar Cells	17-Dec-18	0927-0248	https://www.scopus.com/sourceid/13332
61	Effect of Vowels and Consonants in Psycholinguistic differentiation of South Indian Dravidian words using relative priming and hierarchical clustering	(MAIN) CE - RADHIKA BHAT (2065), CHARUSAT; (CORR) CE - ANOOP RAVINDRAN ATH MARKANDE (3122), CHARUSAT	IIIM	Jadavpur Journal of Languages and Linguistics	2020	2581-494X	NA
62	Need for guidance and counselling among University students of Kheda region, Gujarat, India	(MAIN) CE - RADHIKA BHAT (2065), CHARUSAT; (CORR) CE - ANOOP RAVINDRAN ATH MARKANDE (3122),	IIIM	The International Journal of Indian Psychology	2020	2348-5396	10.25215/0803.088

		CHARUSAT; (CO) OT - M.G. MANSURI, NALINI ARTS COLLEGE					
63	Blocking integrin $\alpha 4\beta 7$ -mediated CD4 T cell recruitment to the intestine and liver protects mice from western diet-induced non-alcoholic steatohepatitis	(MAIN) ON - RAVI P. RAI, UNIVERSITY OF PITTSBURGH; (CORR) OT - REBEN RAEMAN, UNIVERSITY OF PITTSBURGH; (CO) CE - CHIRAYU RAMESHCHA NDRA DESAI (3060), CHARUSAT; (CO) ON - YUNSHAN LIU, EMORY UNIVERSITY; (CO) ON - BIKI GUPTA, UNIVERSITY OF PITTSBURGH; (CO) ON -	PDPIAS	Journal of Hepatology	2020	0168- 8278	https://doi.org/10.1016/j.jhep.2020.05.047

		<p>PRADEEP KUMAR, EMORY UNIVERSITY; (CO) ON - TEKLA SMITH, EMORY UNIVERSITY; (CO) OT - AATUR D. SINGHI, UNIVERSITY OF PITTSBURGH; (CO) OT - ASMA NUSRAT, UNIVERSITY OF MICHIGAN; (CO) OT - CHARLES A. PARKOS, UNIVERSITY OF MICHIGAN; (CO) OT - SATDARSHA N P. MONGA, UNIVERSITY OF</p>					
--	--	---	--	--	--	--	--

		PITTSBURGH; (CO) OT - MARK J. CZAJA, EMORY UNIVERSITY; (CO) OT - FRANK A. ANANIA, FOOD AND DRUG ADMINISTRA TION; (CO) OT - SMITA S. IYER, UNIVERSITY OF CALIFORNIA; (CO) OT - SILVIA LIU, UNIVERSITY OF PITTSBURGH					
64	Role of advanced glycation end products and insulin resistance in diabetic nephropathy	(MAIN) CS - PARWANI KIRTI DILIP (14DRBIO001), CHARUSAT; (CORR) CE - PALASH MANDAL (3065),	PDPIAS	Archives of Physiology and Biochemist ry	2020	1744- 4160	https://doi.org/10.1080/13813455.2020.1797106

		CHARUSAT					
65	Degradation and Toxicity Analysis of a Reactive Textile Diazo Dye-Direct Red 81 by Newly Isolated Bacillus sp. DMS2	(MAIN) OS - SHIVANI AMIN, POST-GRADUATE DEPARTMENT OF BIOSCIENCES, UGC-CENTRE OF ADVANCED STUDY, SARDAR PATEL UNIVERSITY; (CORR) OT - DATTA MADAMWAR, P.D. PATEL INSTITUTE OF APPLIED SCIENCES, CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY; (CO) CE -	PDPIAS	Frontiers in Microbiology	2020	1664-302X	10.3389/fmicb.2020.576680

		CHIRAYU RAMESHCHA NDRA DESAI (3060), CHARUSAT; (CO) ON - KUNAL JAIN, POST- GRADUATE DEPARTMEN T OF BIOSCIENCES, UGC-CENTRE OF ADVANCED STUDY, SARDAR PATEL UNIVERSITY; (CO) OS - MUKESH GHANSHYAM CHAUBEY, SHREE A. N. PATEL PG INSTITUTE OF SCIENCE AND RESEARCH, SARDAR PATEL UNIVERSITY; (CO) OT -					
--	--	--	--	--	--	--	--

		JYOTI DIVECHA, DEPARTMEN T OF STATISTICS, SARDAR PATEL UNIVERSITY; (CO-S) ON - RAJESH PRASAD RASTOGI, MINISTRY OF ENVIRONME NT, FORESTS AND CLIMATE CHANGE, NEW DELHI, INDIA					
--	--	---	--	--	--	--	--

66	Polycyclic Aromatic Hydrocarbons: Sources, Toxicity, and Remediation Approaches	(MAIN) OS - AVANI BHARATKUMAR PATEL, POST GRADUATE DEPARTMENT OF BIOSCIENCES, UGC CENTRE OF ADVANCED STUDY, SARDAR PATEL UNIVERSITY; (CORR) CE - CHIRAYU RAMESHCHANDRA DESAI (3060), CHARUSAT; (CO) CS - SHAIKH SHABNAMBANU ABDULSATTAR BHAI (18DRBIO002), CHARUSAT; (CO) ON - KUNAL JAIN,	PDPIAS	Frontiers in Microbiology	2020	1664-302X	https://doi.org/10.3389/fmicb.2020.562813
----	---	--	--------	---------------------------	------	-----------	---

		POST GRADUATE DEPARTMENT OF BIOSCIENCES, UGC CENTRE OF ADVANCED STUDY, SARDAR PATEL UNIVERSITY; (CO-S) ON - DATTA MADAMWAR, CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY					
67	Characterizing the bacterial consortium ASDF capable of catabolic degradation of fluoranthene and other mono- and poly-aromatic hydrocarbons Sagar S. Vaidya1 · Avani Bharatkumar	(MAIN & CORR) OT - PROF. DATTA MADAMWAR, POST GRADUATE DEPARTMENT OF BIOSCIENCES, UGC CENTRE OF	PDPIAS	3 Biotech	2020	2190-572X	https://doi.org/10.1007/s13205-020-02478-w

		ADVANCED STUDY, SARDAR PATEL UNIVERSITY,; (CO) CE - DR.SEEMA R AMIN (3011), CHARUSAT					
68	Interactive potential of Pseudomonas species with plants	(MAIN & CORR) CE - ANOOP RAVINDRAN ATH MARKANDE (3122), CHARUSAT; (CO) OS - SUHANA SHAIKH, NAGINDAS HIRALAL BHAYANI, ANKLESHWAR, GUJARAT, INDIA; (CO) OS - NUTAN YADAV, CG BHAKTA INSTITUTE OF BIOTECHNOLOGY, UKA	PDPIAS	Journal of Applied Biology & Biotechnology	2020	2347-212X	10.7324/JABB.2020.80616

		TARSADIA UNIVERSITY, BARDOLI, GUJARAT, INDIA					
69	ROOT ASSOCIATED BACTERIAL ENDOPHYTES FROM POACEAE PLANTS: IDENTIFICATION, CHARACTERIZATION AND PLANT GROWTH PROMOTION	(MAIN & CORR) CE - JANKIBEN KIRITBHAI PATEL (3125), CHARUSAT	PDPIAS	JOURNAL OF MICROBIOLOGY, BIOTECHNOLOGY AND FOOD SCIENCES	2020	1338-5178	10.15414/jmbfs.2020.10.3.478-483
70	ELICITATION OF PLANT DEFENSE AGAINST FUSARIUM OXYSPORUM F.SP. CICERIS IN CHICKPEA PLANT USING MARINE MICROCOCCUS SP.	(MAIN & CORR) CE - JANKIN THAKKER (3002), CHARUSAT; (CO) CS - PATEL KEYUR BHUPENDRA BHAI (14DRBIO003), CHARUSAT; (CO) CS - PATEL PALAK PRAKASHBHAI (16BT020), CHARUSAT;	PDPIAS	The Journal of Microbiology, Biotechnology and Food Sciences	2020	1338-5178	10.15414/jmbfs.2020.10.3.361-365

		(CO) ON - PINAKIN DHANDHUKI A, SPTMC, VNSGU, CHARUSAT					
2019-20							
	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
71	Contribution of magnetic nanoparticle in thermal conductivity of flake-shaped iron particles based magnetorheological (MR) fluid	Mujiba S Pisuwala, Ramesh V Upadhyay and Kinnari Parekh	KRADL E/PDPIAS	J. Appl. Phys. 126 (2019) 055104 (10 pages).	1-Aug-19	ISSN: 0021-8979	https://www.scopus.com/sourceid/28132
72	Drug prescription patterns in patients with Alzheimer's disease in an urban Neuro-speciality clinic in Western India	Anuradha Sujai Joshi, Henil Mayur Upadhyay, Nidhi Parikh, Savan Shah, Kinnari Parekh	KRADL E/PDPIAS	National J. Physiology , Pharmacy and Pharmacology, 30 Oct. 2019, 9(11) (2019) 1073-1080	30 Oct. 2019	ISSN 2320-4672	https://www.scopus.com/sourceid/21100301603
73	Electric response of cells containing ferrouid particles	A. M. Antonova, G. Barbero, F. Batalioto, A. M. Figueiredo Neto and K. Parekh	KRADL E/PDPIAS	Journal of Electroanalytical Chemistry 856 (2020) 113479	1-Jan-20	ISSN: 1572-6657	https://www.scopus.com/sourceid/9500154039

74	Two stage magnetic fluid vacuum seal for variable radial clearance	Saurabh Parmar, Venkat Ramani, R V Upadhyay and Kinnari Parekh	KRADL E/PDPIA S	Vacuum 172 (2020) 109087	1-Feb- 20	<u>ISSN:</u> <u>0042-</u> <u>207X</u>	https://www.scopus.com/sourceid/12489
75	Influence of magnetic field on the two-photon absorption and hyper-Rayleigh scattering of manganese-zinc ferrite nanoparticles	Gonçalves, Eduardo; Cocca, Leandro; Araujo, Wagner; Parekh, Kinnari; Oliveira, Cristiano; Siqueira, Jonathas; Mendonca, Cleber; De Boni, Leonardo; Figueiredo Neto, Antonio	KRADL E/PDPIA S	<i>J. Phys. Chem. C</i> , 124, 12, (2020) 6784-6795	21- Feb-20	<u>ISSN:</u> <u>1932-</u> <u>7447</u>	https://www.scopus.com/sourceid/5200153123
76	Preliminary In-Vitro Investigation of Magnetic Fluid Hyperthermia In Cervical Cancer Cells	Kinnari Parekh, Anand Bhardwaj and Neeraj Jain	KRADL E/PDPIA S	J. Magn. Magn. Mater. 497 (2020) 166057	1-Mar- 20	<u>ISSN:</u> <u>0304-</u> <u>8853</u>	https://www.scopus.com/sourceid/28526
77	Evaluation of static and dynamic yield stress for isotropic and anisotropic particles based MR fluids: Modeling and analysis	Mujiba Pisuwala , Ramesh V Upadhyay, and Kinnari Parekh	KRADL E/PDPIA S	Brazilian J. Of Physics	13- May- 20	ISSN: 0103- 9733	https://www.scopus.com/sourceid/27404

78	Effect of Me/OH ratio in the formation of different size and shape of $Mn_{0.5}Zn_{0.5}Fe_2O_4$ nanoparticles in association to thermo-magnetic property	K. Parekh, H. Parmar, and V. Sharma	KRADL E/PDPIAS	Pramana-Journal of Physics, 94, Article number: 76 (2020)	18-May-20	ISSN: 0304-4289	https://www.scopus.com/sourceid/29642
79	Thermal conductivity of flake-shaped iron particles based magnetorheological suspension: Influence of nano-magnetic particle concentration	Ramesh V Upadhyay, Mujiba S Pisuwala, Kinnari Parekh and Kuldip Raj	KRADL E/PDPIAS	J. Magn. Magn. Mater. 503 (2020) 166633	1-Jun-20	<u>ISSN: 0304-8853</u>	https://www.scopus.com/sourceid/28526
80	Association of TLR4 and TLR9 gene polymorphisms and haplotypes with cervicitis susceptibility	Alex Chauhan, Nilesh Pandey, Nitin Raithatha, Purvi, Patel, Ronak Khandelwal, Ajesh Desai, Yesha Choxi, Rutul Kapadia, Neeraj Jain	PDPIAS	PLoS ONE	31-Jul-19	ISSN: 1932-6203	https://www.scopus.com/sourceid/10600153309
81	On flow of electric current in RL circuit using Hilfer type composite fractional derivative	Krunal B. Kachhia, J. C. Prajapati, K. S. Pandya and R. Jadeja	PDPIAS	Proyecciones	28-09-2019	07176279, 07160917	https://www.scopus.com/sourceid/5000153301
82	Comparative study of fractional Fokker-Planck equations with various fractional derivative operators	Krunal B. Kachhia	PDPIAS	Discrete and Continuous Dynamical	1-Mar-20	1937-1632	https://www.scopus.com/sourceid/21100207001

				systems series S			
83	A new class of functions suggested by the generalized hypergeometric function	Meera H. Chudasama B. I. Dave	PDPIAS	Annals of the Alexandru Ioan Cuza University of Iasi (NS). Mathematics. (An.Stiint. Univ. Al. I. Cuza Iasi Math.)	22-11-2019	1221-8421	
84	Generalized iterative method for the solution of linear and nonlinear fractional differential equations with composite fractional derivative operator	Krunal B. Kachhia and Jyotindra C. Prajapati	PDPIAS	<i>AIMS Mathematics</i>	18-03-2020	2473-6988	https://www.scopus.com/sourceid/21100927407
85	Association of TLR4 and TLR9 polymorphisms and haplotypes with cervical cancer susceptibility	Nilesh Pandey, Alex Chauhan, Nitin Raithatha, Purvi, Patel, Ronak Khandelwal, Ajesh Desai, Yesha Choxi, Rutul Kapadia, Neeraj Jain	PDPIAS	Scientific Reports	5-Jul-19	2045-2322	https://www.scopus.com/sourceid/21100200805

86	VISCOSITY VARIATION EFFECT ON THE MAGNETIC FLUID LUBRICATION OF A SHORT BEARING	Jimit R. Patel, Gunamani Deheri	PDPIAS	Journal of the Serbian Society for Computatio nal Mechanics	31-12- 2019	1820- 6530	https://www.scopus.com/sourceid/21100228011
87	Masses of tetraquark states in the hidden charm sector above ($D \square D$) threshold,	Tanvi Bhavsar, Manan Shah, Smruti Patel, P. C. Vinodkumar	PDPIAS	Nuclear Physics A	20-04- 2020	0375- 9474	https://www.scopus.com/sourceid/29083
88	First principles study on small ZrAln and HfAln clusters: Structural, stability, electronic states and CO ₂ adsorption	Hardik L. Kagdada, Shweta D. Dabhi, Venu Mankad, Satyam M. Shinde, Prafulla K. Jha	PDPIAS	Materials Chemistry and Physics	8-Oct- 19	0254- 0584	https://www.scopus.com/sourceid/17800
89	Exploring the hidden catalyst from boron pnictide family for HER and OER	Trupti K.Gajaria, Basant Roondhe, Shweta D.Dabhi, Prafulla K.Jha	PDPIAS	Internation al Journal Of Hydrogen Energy	21- Oct-19	0169- 4332	https://www.scopus.com/sourceid/26991
90	Hydrogen evolution reaction electrocatalysis trends of confined gallium phosphide with substitutional defects	Trupti K.Gajaria, BasantRoondhe, Shweta D.Dabhi, PiotrŚpiewak,	PDPIAS	Internation al Journal Of Hydrogen Energy	30- Sep-19	0169- 4332	https://www.scopus.com/sourceid/26991

		Krzysztof J. Kurzydłowski, Prafulla K. Jha					
91	Steady shear rheology and magnetic properties of flake-shaped iron particle-based MR fluid: Before and after tribology study.	R V Upadhyay	PDPIAS	Brazilian J. Of Physics	18-10-2019	0103-9733	https://www.scopus.com/sourceid/27404
92	Performance enhancement of MR brake using Flake-shaped iron particle-based magnetorheological fluid	S R Patel, D M Patel and RV Upadhyay	PDPIAS	Journal of testing and evaluation	5-Jan-20	0090-3973	https://www.scopus.com/sourceid/21205
93	Stability and Thermodynamic Attributes of Starch Hydrolyzing α -Amylase of Anoxybacillus rupiensis TS-4	Kikani BA, Kurien S, Rathod U	PDPIAS	Starch	1-Jan-20	1521-379X	https://www.scopus.com/sourceid/26489

94	Above 800mV Open Circuit Voltage in Solid State Photovoltaic Devices Using Phosphonium Cation based Solid Ionic Conductors	Prasad, Jyoti, Machhi, Hiren, Sonigara, Keval, Patel, Vaibhav, Soni, Saurabh.	PDPIAS	ACS Materials and Interfaces	1-Apr-20	1944-8244	https://www.scopus.com/sourceid/19700171101
95	Immobilization of Agrobacterium tumefaciens D-psicose 3-epimerase onto titanium dioxide for bioconversion of rare sugar	Samir R Dedania, Vaibhav K Patel, Saurabh S Soni, Darshan Patel	PDPIAS	Enzyme and Microbial Technology	1-May-20	0141-0229	https://www.scopus.com/sourceid/15609
96	Phytase-Fe ₃ O ₄ nanoparticles loaded microcosms of silica for catalytic remediation of phytate-phosphorous from eutrophic water bodies	Gayatri Dave and H A Modi	PDPIAS	Environment Science and Pollution Research	5-Sep-19	1614-7499	https://www.scopus.com/sourceid/23918
97	Graphene oxide supported dicationic ionic liquid: an efficient catalyst for the synthesis of 1-carbamatoalkyl-2-naphthols	Nipun Patel, Deepak Katheriya, Harsh Dadhania, Abhishek Dadhania	Chemical Sciences	Research on Chemical Intermediates	8-Jul-19	1568-5675	https://www.scopus.com/sourceid/21492

98	Dark and photoconductivity of PbS/polystyrene nanocomposite films from 77 to 300 K	Tapas K. Chaudhri, Prashant Ghediya and Mitesh H. Patel	PDPIAS	Surfaces and Interfaces	13-Jun-20	2468-0230	https://www.scopus.com/sourceid/21100788797
99	Microaerophilic biodegradation of raw textile effluent by synergistic activity of bacterial community DR4	Rohit Rathour, Kunal Jain, Datta Madamwar and Chirayu Desai	PDPIAS	Journal of Environmental Management	17-09-2019	0301-4797	https://www.scopus.com/sourceid/21100317750
100	Western diet-induced increase in colonic bile acids compromises epithelial barrier in nonalcoholic steatohepatitis	Biki Gupta, Yunshan Liu, Daniel M Chopyk, Ravi P Rai, Chirayu Desai, Pradeep Kumar, Alton B Farris, Asma Nusrat, Charles A Parkos, Frank A Anania, Reben Raeman	PDPIAS	FASEB Journal	4-Oct-20	1530-6860	https://www.scopus.com/sourceid/15048

101	Blocking Integrin $\alpha 4 \beta 7$ -mediated CD4 T Cell Recruitment to the Intestine and Liver Protects Mice From Western Diet-Induced Non-Alcoholic Steatohepatitis	Ravi P Rai, Yunshan Liu, Smita S Iyer, Silvia Liu, Biki Gupta, Chirayu Desai, Pradeep Kumar, Tekla Smith, Aatur D Singhi, Asma Nusrat, Charles A Parkos, Satdarshan P Monga, Mark J Czaja, Frank A Anania, Reben Raeman	PDPIAS	Journal of Hepatology	6-Dec-20	0168-8278	https://www.scopus.com/sourceid/25297
102	DELIBERATING PLANT GROWTH PROMOTING AND MINERAL-WEATHERING PROFICIENCY OF STREPTOMYCES NANHAIENSIS STRAIN YM4 FOR NUTRITIONAL BENEFIT OF MILLET CROP (PENNISETUM GLAUCUM)	Keyur Patel and Janki N Thakker	Biological Sciences	Journal of Microbiology, Biotechnology and Food Science	3-Mar-20	1338-5178	https://www.scopus.com/sourceid/21100823448
103	Harvesting energy via stimuli-free water/moisture dissociation by mesoporous SnO ₂ -based hydroelectric cell and CuO as a pump for atmospheric moisture	Vanaraj Solanki, S. B. Krupanidhi and K. K. Nanda	KRADLE	International Journal of Energy Research	25-Nov-19	1099-114X	https://www.scopus.com/sourceid/26676

104	Non-enzymatic glucose sensing with hybrid nanostructured Cu ₂ O-ZnO prepared by single-step coelectrodeposition technique	Ashis K.Manna, Puspendu Guha, Vanaraj J. Solanki, S. K. Srivastava, Shikha Varma	KRADL E	Journal of Solid State Electrochemistry	18th June 20	1433-0768	https://www.scopus.com/sourceid/25199
105	Screening of significant medium components for enhanced elicitor production from <i>Fusarium oxysporum cubense</i> using Plackett-Burman Design	Janki N Thakker, Pinakin Dhandhukia, M Kumari, I L Kothari	Biological Sciences	CHARUSAT Journal	1-Jan-20		
106	Effect of <i>Amaranthus viridis</i> extract on growth as well as induction of defense in Chickpea	Sheeba Menon and Janki N Thakker	Biological Sciences	International Journal of Engineering Research and technology	1-Feb-20	2278-0181	https://www.scopus.com/sourceid/21100828027

107	BIO-EFFICACY OF EUPHORBIA HIRTA L. ON THE GROWTH AND ANTIOXIDANT ACTIVITY OF CICER ARIENTINUM L.	Sheeba Menon and Janki N Thakker	Biological Sciences	Plant Archives	1-Apr-20	0972-5210	https://www.scopus.com/sourceid/19900193211
108	Assessment of Amaranthus viridis L. Leaves on Growth, Antifungal and Antioxidant Activity of Cicer arietinum L.	Sheeba Menon and Janki N Thakker	Biological Sciences	International Journal of Pharmaceutics and Biological sciences	1-Apr-20	22785221	
109	A p-deformed q-inverse pair and associated polynomials including Askey scheme	Rajesh V. Savalia	Maths/PDPIAS	Commun. Korean Math. Soc.	1-Apr-19	1225-1763	https://www.scopus.com/sourceid/7500153129
110	A general inversion pair and p-deformation of Askey scheme	Rajesh V. Savalia, B. I. Dave	Maths/PDPIAS	The Journal of the Indian Mathematical Society	05--03-2019	0019-5839	https://www.scopus.com/sourceid/21100259506

111	Role of yogic practices in individuals with hypertension and low-Peak Expiratory Flow Rate (PEFR) of Ahmedabad city.	Devashree N. Oza, Tapan A. Patel, R.J. Verma.	Biological Sciences, PDPIAS	Indian Journal of Traditional Knowledge (IJTK)	7-Jan-19	0975-1068	https://www.scopus.com/sourceid/19700182227
112	Design, synthesis, and characterization of novel substituted 1,2,4-oxadiazole and their biological broadcast	Paranjay H. Parikh, Jignesh B. Timaniya, Mrugesh J. Patel, Kaushal P. Patel	Chemical Sciences	Medicinal Chemistry Research	18-Jan-20	1054-2523	https://www.scopus.com/sourceid/18384
113	Separation of methane from ethane and propane by selective adsorption and diffusion in MOF Cu-BTC: A molecular simulation study	Yadava krishnan Ponraj, Bhaskarjyoti Borah	Physical Sciences	<u>Journal of Molecular Graphics and Modelling</u>	20-Feb-20	1093-3263	https://www.scopus.com/sourceid/24621

114	Ranking of Metal–Organic Frameworks (MOFs) for Separation of Hexane Isomers by Selective Adsorption	Viral A. Solanki, Bhaskarjyoti Borah	Physical Sciences	<u>Industrial & Engineering Chemistry Research</u>	30-Sep-19	15205045	https://www.scopus.com/sourceid/13057
115	Exploring the Potentials of Metal–Organic Frameworks as Adsorbents and Membranes for Separation of Hexane Isomers	Viral A. Solanki, Bhaskarjyoti Borah	Physical Sciences	The Journal of Physical Chemistry C	2-Jul-19	19327447	https://www.scopus.com/sourceid/5200153123
116	High-Throughput Computational Screening of 12,351 Real Metal–Organic Framework Structures for Separation of Hexane Isomers: A Quest for a Yet Better Adsorbent	Viral A. Solanki, Bhaskarjyoti Borah	Physical Sciences	The Journal of Physical Chemistry	5-Feb-20	19327447	https://www.scopus.com/sourceid/5200153123

117	<i>Metal free approach for one-pot synthesis of 3-aryl-furo[3,2-c]coumarins</i>	Mrugesh Patel, Pranjay Parikh, Jignesh Timaniya and Kaushal Patel	Chemical Sciences	Arkivoc	10- May- 20	1551- 7012	https://www.scopus.com/sourceid/19600164700
118	Screening of significant medium components for enhanced elicitor production from fusarium oxysporum cubense using plackett-Burman design	Janki N. Thakkar, Pinakin C. Dhandhukia, M. Kumari, I. L. Kothari	Biologica 1 Sciences, PDPIAS	Charusat Journal	1-Jan- 20	---	
119	WS2 Nanosheet/Graphene Heterostructures for Paper-Based Flexible Photodetectors	Pratik M. Pataniya and C. K. Sumesh	Physical Sciences	Applied Nano Materials	16- Jun-20	2574097 0	https://www.scopus.com/sourceid/21100914527
120	Low cost and flexible photodetector based on WSe2 Nanosheets/Graphite heterostructure	Pratik M.Pataniya, C.K.Sumesh	Physical Sciences	<u>Synthetic Metals</u>	5- May- 20	0379- 6779	https://www.scopus.com/sourceid/18375

121	Solution-Processed Uniform MoSe ₂ -WSe ₂ Heterojunction Thin Film on Silicon Substrate for Superior and Tunable Photodetection	Alkesh B. Patel, Payal Chauhan, Kunjal Patel, Challappally Kesav Sumesh, Som Narayan, Kireetkumar D. Patel, Guntant K. Solanki, Vivek M. Pathak, Prafulla K. Jha, and Vikas Patel	Physical Sciences	<i>Sustainable Chem. Eng</i>	13-Mar-20	21680485	https://www.scopus.com/sourceid/21100248891
122	Transferrable thin film of ultrasonically exfoliated MoSe ₂ nanocrystals for efficient visible-light photodetector	<u>Patel, Alkesh B.;</u> <u>Chauhan, Payal;</u> <u>Machhi, Hiren K.;</u> <u>Narayan, Som;</u> <u>Sumesh, C. K.;</u> <u>Patel, K. D.;</u> <u>Soni, Saurabh S.;</u> <u>Jha, P. K.;</u> <u>Solanki, G. K.;</u> <u>Pathak, V. M.</u>	Physical Sciences	Physica E: Low-dimensional Systems and Nanostructures	1-May-20	1386-9477	https://www.scopus.com/sourceid/29121
123	Mycelial form of dimorphic fungus <i>Malassezia</i> species dictates the microbial interaction	Charmi D Patel, Anoop R Markande	Biological Sciences	Indian J Microbiol	1-Sep-19	0046-8991	https://www.scopus.com/sourceid/19735

124	Growth promotion and biocontrol activity of <i>Nocardiopsis dassonvillei</i> strain YM12: an isolate from coastal agricultural land of Khambhat	Keyur B. Patel & Janki N. Thakker	Biological Sciences	Vegetos	14-Oct-19	2229-4473	https://www.scopus.com/sourceid/19400157312
125	Improvisation of a spectrophotometric method to quantify hydroxycitric acid	Disha Patel, Aditi Buch	Biological Sciences	<u>Analytical Biochemistry</u>	29-Aug-19	10960309	https://www.scopus.com/sourceid/16789
126	Zinc oxide functionalized molybdenum disulfide heterostructures as efficient electrocatalysts for hydrogen evolution reaction	C. K. Sumesh	Physical Sciences	International Journal of Hydrogen Energy	28-Nov-19	0360-3199	https://www.scopus.com/sourceid/26991
127	Allelopathic Effect of <i>Amaranthus Viridis</i> .L Fresh Leaves on Chickpea Seeds Under in Vivo Condition	Sheeba Menon, Janki Thakker	Biological Sciences	Research & Reviews: A Journal of Biotechnology	---	2231-3826	

128	Colonization by multi-potential <i>Pseudomonas aeruginosa</i> P4 stimulates peanut (<i>Arachis hypogaea</i> L.) growth, defence physiology and root system functioning to benefit the root-rhizobacterial interface	Vaishnawi Gupta, G Naresh Kumar, Aditi Buch	Biologica 1 Sciences	J Plant Physiol	26- Feb-20	0176- 1617	https://www.scopus.com/sourceid/21100828656
129	Above 800 mV Open-Circuit Voltage in Solid-State Photovoltaic Devices Using Phosphonium Cation-Based Solid Ionic Conductors	Jyoti Prasad, Hiren K. Machhi, Keval K. Sonigara, Vaibhav K. Patel, and Saurabh S. Soni	Chemical Sciences	ACS Appl. Mater. Interfaces	22- Apr- 20	1944825 2	https://www.scopus.com/sourceid/19700171101

130	Naphthalene substituted benzo[c]coumarins: Synthesis, characterization and evaluation of antibacterial activity and cytotoxicity	Mrugesh Patel and Kaushal Patel	Chemical Sciences	Heterocyclic Communications	31-Dec-19	7930283	https://www.scopus.com/sourceid/24080
131	<u>Aerobic L-tartrate Utilization by Bacillus Isolates</u>	Disha Patel, Aditi Buch	Biological Sciences	J Pure Appl Microbiol	5-Dec-19	0973-7510	https://www.scopus.com/sourceid/11700154322

132	Biochemical, thermodynamic and structural characteristics of a biotechnologically compatible alkaline protease from a haloalkaliphilic, <i>Nocardioopsis dassonvillei</i> OK-18	Amit K.Sharma, Bhavtosh A.Kikani, Satya P.Singh	Biologica 1 Sciences	<u>Internation al Journal of Biological Macromole cules</u>	5-Mar- 20	0141- 8130	https://www.scopus.com/sourceid/17544
133	Optimization of medium composition for cellulase-free xylanase production by solid-state fermentation on corn cob waste by <i>Aspergillus niger</i> DX-23	Dhara I Desai & Bragadish D Iyer	Biologica 1 Sciences	Biomass Conversion and Biorefinery	28- May- 20	2190681 5	https://www.scopus.com/sourceid/21100466851

134	Tunable birefringence in silica mediated magnetic fluid	Urveshkumar Soni, Nidhi Ruparelia, Abhay Padsala and Rucha P Desai	Physical Sciences	<u>Materials Research Express</u>	25- Oct-19	2053159 1	https://www.scopus.com/sourceid/21100432452
135	One-Dimensional/Two-Dimensional/Three-Dimensional Dual Heterostructure Based on MoS ₂ -Modified ZnO-Heterojunction Diode with Silicon	Meswa Patel, Pratik Pataniya, Hitesh Vala, C. K. Sumesh	Physical Sciences	<i>J. Phys. Chem. C</i>	16- Aug- 19	1932744 7	https://www.scopus.com/sourceid/5200153123
136	Strong decay of singly heavy baryon in the relativistic quark model	Manan Shah, Nirali Bhavsar, Tanvi Bhavsar, P. C. Vinodkumar	Physical Sciences	DAE- BRNS	Dec. 2019		818372083-8
137	Leptonic decays of the charged pseudoscalar mesons using Instanton liquid model	Bhoomika Pandya, Manan Shah, P. C. Vinodkumar	Physical Sciences	DAE- BRNS	Dec. 2019		818372083-8

138	Mass spectra and Decay widths of dimesonic hadron molecules	P. C. Vinodkumar, Tanvi Bhavsar, Manan Shah, Smruti Patel	Physical Sciences	DAE-BRNS	Dec. 2019		818372083-8
139	Allelopathic Effect of Amaranthus Viridis.L Fresh Leaves on Chickpea Seeds Under in Vivo Condition	Sheeba Menon Janki N Thakker	PDPIAS	Research and Reviews: A journal of Biotechnology	2019	2231-3826	
2018-19							
140	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
141	Absence of association between TLR4 Thr399Ile polymorphism and cervical cancer susceptibility	Nilesh Pandey, Alex Chauhan, Nitin Raithatha, Purvi Patel, Ajesh Desai, Neeraj Jain	PDPIAS	Meta Gene	9-Jul-18	ISSN / eISSN: 2214-5400	https://www.scopus.com/sourceid/21100283722
142	Absence of toll-like receptor 9 Pro99Leu polymorphism in cervical cancer	Alex Chauhan, Nilesh Pandey, Nitin Raithatha, Purvi Patel, Ajesh Desai,	PDPIAS	F1000Research	30-Aug-18	ISSN 2046-1402	https://www.scopus.com/sourceid/21100258853

		Neeraj Jain					
143	TLR4 Polymorphisms and Expression in Solid Cancers	Nilesh Pandey, Alex Chauhan, Neeraj Jain	PDPIAS	Molecular Diagnosis & Therapy	11- Oct-18	ISSN 1177- 1062	https://www.scopus.com/sourceid/4200151509
144	Evaluating the effect of diallyl sulfide on regulation of inflammatory mRNA expression in 3T3L1 adipocytes and RAW 264.7 macrophages during ethanol treatment.	Kema VH, Khan I, Kapur S, Mandal Palash	PDPIAS	Drug and Chemical Toxicology	10- Jan-18	ISSN 0148- 0545	https://www.scopus.com/sourceid/20766
145	Solution-based deposition of SnS nanostructures from mechanochemically prepared precursor bath	Anjana Kothari, Kunjai Dave	KRADL E	Materials Letters	1-Feb- 19	ISSN: 0167- 577X	https://www.scopus.com/sourceid/28697
146	Effect of size and morphology on stability and thermal conductivity of ZnO nanofluid	Juhi Patel and Kinnari Parekh	KRADL E/PDPIA S	J. Nanofluid	2-Apr- 18	ISSN: 2169- 432X (Print)	https://www.scopus.com/sourceid/21100858674
147	The effect of magnetic field on the structure formation in an oil-based magnetic fluid with multicore iron oxide nanoparticles	Zarana Laherisheth, Kinnari Parekh and R V Upadhyay	KRADL E/PDPIA S	J. Nanofluid	2-Apr- 18	ISSN: 2169- 432X (Print)	https://www.scopus.com/sourceid/21100858674

148	Effect of particle concentration on lubricating properties of magnetic fluid	Kinjal Trivedi, Anjana Kothari, Kinnari Parekh, Ramesh V Upadhyay	KRADL E/PDPIA S	J. Nanofluid	3-Jun- 18	ISSN: 2169- 432X (Print)	https://www.scopus.com/sourceid/21100858674
149	Design and development of large radial clearance static and dynamic magnetic fluid seal	Saurabh Parmar, Venkat Ramani, R.V. Upadhyay and Kinnari Parekh	KRADL E/PDPIA S	Vacuum	31- Oct-18	ISSN: 0042- 207X	https://www.scopus.com/sourceid/12489
150	Defragmentation of lysozyme derived Amyloid β fibril using Biocompatible Magnetic fluid	Nidhi Parikh and Kinnari Parekh	KRADL E	Journal of Material Science: Materials in Medicine	3- Nov- 18	ISSN: 0957- 4530 (Print)	DOI: 10.1007/s10856-018-6185-7
151	Morphological metamorphosis of magnetic nanoparticles due to the presence of rare earth atoms in the spinel structure: from spheres to cubes	Kinnari Parekh, Daniel H. G. Espinosa, Dennys Reis, Cristiano L. P. de Oliveira, Wagner Wlysses and Antônio Martins Figueiredo Neto	KRADL E	Materials Chemistry and Physics	15- Jan-19	ISSN: 0254- 0584	https://www.scopus.com/sourceid/17800
152	Reply to comments on “The effect of magnetic field induced aggregates on ultrasound propagation in aqueous magnetic fluid”,	Kinnari Parekh and R V Upadhyay	KRADL E/PDPIA S	J Magn. Magn. Mater.	1-Apr- 19	ISSN: 0304- 8853	https://www.scopus.com/sourceid/28526

153	Density Functional Study Of Adsorption And Desorption Dynamics Of Hydrogen In Zirconium Doped Aluminium Clusters	Hardik L.Kagdada, Shweta D. Dabhi, Prafulla K.Jha	PDPIAS	International Journal Of Hydrogen Energy	22-Nov-18	0169-4332	https://www.scopus.com/sourceid/26991?origin=resultslist
154	Strain And Layer Modulated Electronic And Optical Properties Of Low Dimensional Perovskite Methylammonium Lead Iodide: Implications To Solar Cells	Narayan N.Som, P.M.W.P. Sampath, Shweta D.Dabhi, Venu Mankad, SatyamShinde, M.L.C.Atygalle, Prafulla K.Jha	PDPIAS	Solar Energy	30-Oct-18	0038-092X	https://www.scopus.com/sourceid/13333
155	Hydrogen Evolution Reaction And Electronic Structure Calculation Of Two Dimensional Bismuth And Its Alloys	Sharad Babu Pillai, Shweta D. Dabhi, Prafulla K.Jha	PDPIAS	International Journal Of Hydrogen Energy	22-Nov-18	0169-4332	https://www.scopus.com/sourceid/26991?origin=resultslist
156	ab initio Energetics and Thermoelectric Profiles of Gallium Pnictide Polytypes	Trupti K. Gajaria, Shweta D. Dabhi, Prafulla K.Jha	PDPIAS	Scientific Reports	10-Apr-19	2045-232	https://www.scopus.com/sourceid/21100200805?origin=recordpage
157	FT-IR method for estimation of phytic acid content during bread-making process	Gayatri Dave and H A Modi	PDPIAS	Food Measurement and Characterization	1-Jun-18		http://doi.org/10.1007/s11694-018-9836-y

158	Phytase-Fe ₃ O ₄ nanoparticles-loaded microcosms of silica for catalytic remediation of phytate-phosphorous from eutrophic water bodies	Gayatri Dave and H A Modi	PDPIAS	Environmental Science and Pollution Research	27-Mar-19		http://doi.org/10.1007/s11356-019-04794-y
159	A Highly Efficient and Solvent-Free Approach for the Synthesis of Quinolines and Fused Polycyclic Quinolines Catalyzed by Magnetite Nanoparticle-Supported Acidic Ionic Liquid	Harsh Dadhania, Dipak Raval, and Abhishek Dadhania	Chemical Sciences	POLYCYCLIC AROMATIC COMPOUNDS	20-Apr-19	1040-6638	https://doi.org/10.1080/10406638.2019.1595057
160	Nano catalytic Physico-chemical adsorption and degradation of organic dyes	C. K. Sumesh and Kinnari Parekh	KRADLE/PDPIAS	Pramana-Journal of Physics	30-Mar-19	ISSN: 0304-4289	https://doi.org/10.1007/s12043-019-1760-0
161	Eco-electrogenic treatment of dyestuff wastewater using constructed wetland-microbial fuel cell system with an evaluation of electrode-enriched microbial community structures	Rohit Rathour, Dishant Patel, Shabnam Shaikh, Chirayu Desai	PDPIAS	Bioresource Technology	13-04-2019	0960-8524	https://doi.org/10.1016/j.biortech.2019.121349
162	Biosorption of Cr(VI) by Halomonas sp. DK4, a halotolerant bacterium isolated from chrome electroplating sludge	Vidhi Kalola & Chirayu Desai	PDPIAS	Environmental Science and Pollution Research	22-07-2019	1614-7499	https://doi.org/10.1007/s11356-019-05942-0

163	Growth promotion and biocontrol activity of <i>Nocardiosis dassonvillei</i> strain YM12: an isolate from coastal agricultural land of Khambhat	Keyur Patel and Janki N Thakker	Biological Sciences	Vegetos	14-10-2019	2229-4473	
164	Certain properties of the q - I - Ψ Bessel function	Meera H. Chudasama B. I. Dave	PDPIAS	Boll. Unione Mat. Ital.	24-09-2018	1972-6724	https://www.scopus.com/sourceid/11300153723
165	A Comparison of Magnetic Fluid Flow Models on the Behavior of a Ferrofluid Squeeze Film in Curved Rough Porous Circular Plates Considering Slip Velocity	J. R. Patel, and G. M. Deheri	PDPIAS	Iranian Journal of Science and Technology, Transactions A: Science	13-Dec-17	1028-6276	https://www.scopus.com/sourceid/9500154102
166	Testing and evaluation of linear shear mode magnetorheological (MR) damper based on rheological properties of MR fluid	Dipal M Patel and R V Upadhyay	PDPIAS	Journal of testing and evaluation	12-May-18	ISSN 0090-3973	https://doi.org/10.1520/JTE20180030
167	Predicting the thermal sensitivity of MR damper performance based on thermo-rheological properties	Dipal Patel and R V Upadhyay	PDPIAS	Material Reseach Express	31-Oct-18		https://doi.org/10.1088/2053-1591/aae91a

168	Low cost and efficient hetero-anthracene based small organic hole transporting materials for solid state photoelectrochemical cells	Jayraj V. Vaghasiya, Keval K. Sonigara, Mitesh H. Patel, Vaibhav K. Patel, N. Sekar, Saurabh S. Soni	Department of Chemical Sciences	Materials Today Energy	11-Jul-05	2468-6069	https://www.scopus.com/sourceid/21100810501
169	Generalized Konhauser matrix polynomial and its properties	Reshma Sanjhira and B.I. Dave,	Mathematical Sciences	The Mathematics Student	10-Jul-05	0025-5742	
170	Generalized Mittag-Liffler matrix function and associated matrix polynomials	Reshma Sanjhira, B.N.Nathwani and B.I. Dave	Mathematical Sciences	J. Indian Math. Soc.	11-Jul-05	0019-5839	http://www.informaticsjournals.com/index.php/jims
171	Kesterite Cu ₂ ZnSnS ₄ thin films by drop-on-demand inkjet printing from molecular ink.	<u>Tapas K. Chaudhuri,</u> <u>Mitesh H. Patel,</u> <u>Devendra Tiwari,</u> <u>Prashant R. Ghediya</u>	PDPIAS	Journal of Alloys and Compounds	10-Jul-05	0925-8388	https://www.sciencedirect.com/science/article/abs/pii/S0925838818308879
172	Solution-based deposition of SnS nanostructures from mechanochemically prepared precursor bath	Anjana Kothari, Kunjal Dave	KRADLE	Materials Letters	1-Feb-19	0167577X	doi: 10.1016/j.matlet.2018.10.108

173	Synergistic biodegradation of phenanthrene and fluoranthene by mixed bacterial cultures.	Patel, A., Singh, S., Patel, A., Jain, K., Amin, S., & Madamwar, D.	Biological Sciences	Bioresource Technology	19-Mar-20	ISSN: 0960-8524	
174	Study of therapeutic role of yoga (Hathyoga) on lipid profile in dyslipidemic individuals of Ahmedabad city.	Devashree N. Oza, Nikita Vadsaria N, Tapan A. Patel, R.J. Verma.	Biological Sciences, PDPIAS	Indian Journal of Traditional Knowledge (IJTK)	4-Jan-19	0975-1068	
175	Electrospun ZnO Nanoparticles Doped Core–Sheath Nanofibers: Characterization and Antimicrobial Properties	Mehdihasan I. Shekh, Kaushal P. Patel and Rajnikant M. Patel	Chemical Sciences	<u>Journal of Polymers and the Environment volume</u>	22-Sep-18	1566-2543	https://doi.org/10.1007/s10924-018-1310-8
176	Bacteria Based Healing of Cracks with The Use of Pseudomonas and Kocuria in Concrete	Jitendra H. Kantariya, Vijay R. Panchal, Janki N. Thakker	Biological Sciences	Journal of Emerging Technologies and Innovative Research	1-Nov-18	2349-5162	http://www.jetir.org/papers/JETIRK006060.pdf
177	Isolation and Characterization of Rhizosphere-Competent Indigenous Phosphate-Solubilizing Bacteria for Biofertilizer Applications	Anamika Jha, Sanjay Jha	Biological Sciences	International Journal of Plant Biotechnology	---	2456–0162	https://doi.org/10.37628/ijpb.v4i2.377
178	Fabrication and photoresponse of n-WS ₂ /p-V _{0.25} W _{0.75} Se ₂ van der Waals heterojunction	Pratik Pataniya, G K Solanki, Chetan K Zankat, Mohit Tannarana, C K Sumesh, K D	Physical Sciences	<u>Pramana</u>	1-Aug-18	0973-7111	https://doi.org/10.1007/s12043-018-1624-z

		Patel & V M Pathak					
179	Structure-activity relationship in phenothiazine antipsychotic drugs: Molecular orbital calculation, in silico molecular docking and physico-chemical parameters	Devendra Tiwari, Sampark S. Thakkar & Arabinda Ray	Chemical Sciences	Indian Journal of Chemistry	1-Sep-18	0376-4699	http://nopr.niscair.res.in/handle/123456789/45044
180	Influence of Pb+2-Thiourea complex concentration on the structural, optical, thermal and electrical properties of PbS/PVP-PVA nanocomposite films	Mitesh H. Patel, Tapas K. Chaudhari, T. Shripathi, U. Deshpande, Vaibhav K. Patel	Chemical Sciences	Journal of polymer research	18-Dec-17	1022-9760	https://doi.org/10.1007/s10965-017-1402-5
181	Antibacterial activity and Phytochemical Analysis of Methanolic and Acetonic Extracts from Moringa oleifera, vitex negundo and rosa indica	<u>Kruti Dave,</u> <u>Hardik Shah</u> <u>and Kirankumar G. Patel</u>	Biological Sciences	International Journal of Current Microbiology and Applied Sciences	10-Jul-18	2319-7692	---
182	Low cost and efficient hetero-anthracene based small organic hole transporting materials for solid state photoelectrochemical cells	<u>Jayraj V.Vaghasiya,</u> <u>Keval K.Sonigara,</u> <u>Mitesh H.Patel,</u> <u>Vaibhav K.Patel,</u> <u>N.Sekar,</u>	Chemical Sciences	Materials Today Energy	15-Aug-18	2468-6069	https://doi.org/10.1016/j.mtener.2018.07.006

		<u>Saurabh S.Soni</u>					
183	Jenkins model based ferrofluid lubrication of a squeeze film in rough curved circular plates considering slip velocity	Jimit R. Patel, G.M.Deheri	Mathematical Sciences	International Journal of Theoretical and Applied Multiscale Mechanics	22-Nov-18	1755-9995	10.1504/IJTAMM.2018.096410
184	Pseudomonas aeruginosa Predominates as Multifaceted Rhizospheric Bacteria with Combined Abilities of P-solubilization and Biocontrol	Vaishnawi Gupta and Aditi Buch	Biological Sciences	J Pure Appl Microbiol	25-Mar-19	0973-7510	https://dx.doi.org/10.22207/JPAM.13.1.35
185	Towards efficient photon management in nanostructured solar cells: Role of 2D layered transition metal dichalcogenide semiconductors	C. K. Sumesh	Physical Sciences	Solar Energy Materials & Solar Cells	17-Dec-18	0927-0248	https://doi.org/10.1016/j.solmat.2018.12.016
186	Fabrication, photoresponse and temperature dependence of n-VO ₂ /n-MoSe ₂ heterojunction diode	AbhishekPatel, PratikPataniya, G.K.Solanki, C.K.Sumesh, K.D.Patel, V.M.Pathaka	Physical Sciences	Superlattices and Microstructures	25-Apr-19	0749-6036	https://doi.org/10.1016/j.spmi.2019.04.032

187	Growth and application of WSe ₂ single crystal synthesized by DVT in thin film hetero-junction photodetector	Vijay Dixit, Salil Nair, Jolly Joy, C. U. Vyas, Alkesh B. Patel, Payal Chauhan, C. K. Sumesh, Som Narayan, P. K. Jha, G. K. Solanki, K. D. Patel & V. M. Pathak	Physical Sciences	The European Physical Journal B	3-Jun-19	1434-6028	https://doi.org/10.1140/epjb/e2019-90736-3
188	Paper-Based Flexible Photodetector Functionalized by WSe ₂ Nanodots	Pratik Pataniya, Chetan K. Zankat, Mohit Tannarana, C. K. Sumesh, Som Narayan, G. K. Solanki, K. D. Patel, V. M. Pathak, and Prafulla K. Jha	Physical Sciences	<i>Appl. Nano Mater.</i>	23-Apr-19	25740970	https://doi.org/10.1021/acsnm.9b00266
189	Temperature dependant electronic charge transport characteristics at MX ₂ (M = Mo, W; X = S, Se)/Si heterojunction devices	C.K.Sumesh	Physical Sciences	Journal of Materials Science: Materials in Electronics	9-Jan-19	0957-4522	https://doi.org/10.1007/s10854-019-00703-8
190	Electrospun nano silver embedded polystyrene composite nanofiber as a possible water disinfectant	Patel, Nirmal N Shekh, Mehdihasan I Patel, Kaushal P	Chemical Sciences	Indian Journal of Chemistry	1-Feb-19	0376-4710	http://nopr.niscair.res.in/handle/123456789/45793

		Patel, Rajnikant M					
191	Heating Efficiency Dependency on Size and Morphology of Magnetite Nanoparticles	Kinnari Parekh, Harshida Parmar, Vinay Sharma and R. V. Ramanujan	KRADL E	AIP Conf. Proc. 1942, (2018)	10-Apr-18		https://www.scopus.com/sourceid/28697
192	Bacteria based healing of cracks with the use of Pseudomonas and Kocuria in concrete	Jitendra H Kantaria, Vijay Panchal, Janki N Thakker	Biological Sciences	Journal of emerging technologies and innovative research		2349-5162	https://www.scopus.com/sourceid/21100858674
193	Ground State Masses of Singly Heavy Flavour Baryons in the Relativistic Framework	Nirali Bhavsar, Manan Shah, Tanvi Bhavsar, P. C. Vinodkumar	PDPIAS	DAE International Symposium on Nuclear Physics			https://www.scopus.com/sourceid/21100858674
194	Mass spectra of hidden bottom tetraquark states	P. C. Vinodkumar, Tanvi Bhavsar, Manan Shah	PDPIAS	DAE International Symposium on Nuclear Physics			https://www.scopus.com/sourceid/21100858674

195	Charmonia within an instanton potential	Bhoomika Pandya, Manan Shah, P. C. Vinodkumar	PDPIAS	DAE International Symposium on Nuclear Physics			https://www.scopus.com/sourceid/12489
196	A relativistic approach for triply heavy flavour baryon	Tanvi Bhavsar, Manan Shah, P. C. Vinodkumar	PDPIAS	DAE International Symposium on Nuclear Physics			
197	Doubly heavy baryon in the relativistic quark model	Manan Shah, Tanvi Bhavsar, P. C. Vinodkumar	PDPIAS	DAE International Symposium on Nuclear Physics			https://www.scopus.com/sourceid/17800
198	Isolation and Characterization of Rhizosphere-Competent Indigenous Phosphate-Solubilizing Bacteria for Biofertilizer Applications	Anamika Jha and Sanjay Jha	PDPIAS	International journal of plant biotechnology	2018	2456-0162	https://www.scopus.com/sourceid/28526
199	Colonization by multi-potential Pseudomonas aeruginosa P4 stimulates peanut (Arachis hypogaea L.) growth, defence physiology and root system functioning to benefit the root-rhizobacterial interface	Vaishnawi Gupta, G Naresh Kumar, Aditi Buch	Biological Sciences	J Plant Physiol	26-Feb-20	0176-1617	DOI: 10.1016/j.jplph.2020.153144

200	Two-Step Facile Preparation of MoS ₂ ·ZnO Nanocomposite as Efficient Photocatalyst for Methylene Blue (Dye) Degradation	Sanni Kapatel and C K Sumesh	PDPIAS	Electronic materials letters	14-Nov-18	1738-8090	https://doi.org/10.1007/s13391-018-00101-y
201	Qualitative and quantitative measurement of phytate during bread making process in the presence and absence of Phytase by FT-IR spectroscopy	Gayatri Dave and H A Modi	PDPIAS	Journal of Food Measurement and Characterization	9-Jan-18	2193-4134	https://doi.org/10.1007/s11694-018-9836-y
2017-18							
	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
202	Transgenic Peanut (Arachis hypogaea L.) Overexpressing mtID Gene Showed Improved Photosynthetic, Physio-Biochemical, and Yield-Parameters under Soil-Moisture Deficit Stress in Lysimeter System	Patel KG, Thankappan R, Mishra GP, Mandaliya VB, Kumar A and Dobarja JR	PDPIAS	Frontiers in Plant Science	3-Nov-17		https://www.scopus.com/sourceid/21100313905
203	A new class of functions suggested by the generalized hypergeometric function	Meera H. Chudasama B. I. Dave	PDPIAS	Journal of Indian Mathematical Society	7/4/2017	0019-5839	https://www.scopus.com/sourceid/21100259506

204	A rapid qualitative assay for detection of Clostridium perfringens in canned food products	GA Dave	PDPIAS	Acta Biochimica Polonica	9-Jun-17	0001-527X	https://www.scopus.com/sourceid/16753
205	Parametric Study on Eco-Friendly Bricks	Dhonde BN, Panchal VR, Thakker JN	Biological Sciences/ PDPIAS	Kalpa	7/22/2017	2515-1789	
206	Role of inter-particle force between micro and nano magnetic particles on the stability of magnetorheological fluid	Zarana Laherisheth, Kinnari Parekh, and R. V. Upadhyay	KRADL E/PDPIAS	AIP ADVANCES	13-Feb-17	ISSN: 2158-3226	https://www.scopus.com/sourceid/19900193962
207	Performance of Mn-Zn ferrite magnetic fluid in a prototype distribution transformer under varying loading conditions	Jaykumar Patel, Kinnari Parekh, R.V. Upadhyay	KRADL E/PDPIAS	International Journal of Thermal Sciences	1-Apr-17	ISSN: 1290-0729	https://www.scopus.com/sourceid/13761

208	Temperature dependent acoustic properties of temperature sensitive magnetic fluid subjected to magnetic field	Kinnari Parekh, Jaykumar Patel, R.V. Upadhyay	KRADL E/PDPIAS	Journal of Molecular Liquids	1-Dec-17	ISSN: 0167-7322	https://www.scopus.com/sourceid/26965
209	The effect of magnetic field induced aggregates on ultrasound propagation in aqueous magnetic fluid	Kinnari Parekh, R.V. Upadhyay	KRADL E/PDPIAS	Journal of Magnetism and Magnetic Materials	1-Jun-17	ISSN: 0304-8853	https://www.scopus.com/sourceid/28526
210	Nanolubricant: magnetic nanoparticle based	Kinjal Trivedi, Kinnari Parekh and Ramesh V Upadhyay	KRADL E/PDPIAS	Mater. Res. Express	10-Nov-17	ISSN: 2053-1591	https://www.scopus.com/sourceid/21100432452
211	Layer-engineered I-V characteristics of p-Si/WS ₂ Van der Waals Heterostructure diode	Sanni Kapatel, C.K. Sumesh, Pratik Pataniya, G.K. Solanki, K.D. Patel	PDPIAS	THE EUROPEAN PHYSICAL JOURNAL PLUS	26-Apr-17	ISSN: 21905444	https://www.scopus.com/sourceid/21100201754

212	Crystal growth, characterization and photo detection properties of 2H-V0.75W0.25Se2 ternary alloy with 1T-VSe2 secondary phase	Pratik Pataniya , G K Solanki, K D Patel, V M Pathak, C K Sumesh	PDPIAS	Mater. Res. Express	25- Oct-17	2053- 1591	https://www.scopus.com/sourceid/21100432452
213	Salt assisted sonochemical exfoliation and synthesis of highly stable few-to-monolayer WS2 quantum dots with tunable optical properties	Sanni Kapatel, Chandr esh Mania, C. K. Sumesh	PDPIAS	J Mater Sci: Mater Electron	31- Jan-17		https://www.scopus.com/sourceid/21177
214	Influence of particle shape on the magnetic and steady shear magnetorheological properties of nanoparticle based MR fluids	Zarana Laherisheth and R V Upadhyay	PDPIAS	Smart. Mater. Struct.	4/6/20 17	0964- 1726 (print); 1361- 665X (web)	https://www.scopus.com/sourceid/29859
215	Immobilization on graphene oxide improves the thermal stability and bioconversion efficiency of D-psicose 3-epimerase for rare sugar production	Samir R Dedania, Manisha J Patel, Dijit M Patel, Rekha C Akhani, Darshan H. Patel	PDPIAS	Enzyme and Microbial Technolog y	1-Dec- 17	0141- 0229	https://www.scopus.com/sourceid/15609

216	Certain properties of Gegenbauer polynomials via Lie algebra	Jyotindra C. Prajapati. Junesang choi, Krunal B. Kachhia, Praveen Agarwal	PDPIAS	<u>Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas</u>	6/10/2016	1578-7303	https://www.scopus.com/sourceid/19400157008
217	RICIN super family Carbohydrate Binding Module 13 containing Pectate Lyase 1B from Bacillus licheniformis displaying hyper thermal stability and affinity for xylan	Rekha C. Akhani, Arti T. Patel, Manisha J. Patel, Samir R. Dedania and Darshan H. Patel	PDPIAS	Asian Journal of Biochemistry	15-Feb-17		https://www.scopus.com/sourceid/11300153309
218	Bioproduction of L-aspartic acid and cinnamic acid by L-aspartate ammonia lyase from Pseudomonas aeruginosa PAO1	Arti T. Patel, Rekha C. Akhani, Manisha J. Patel, Samir R. Dedania and Darshan H. Patel	PDPIAS	Applied biochemistry and biotechnology	17-Dec-16	0273-2289	https://www.scopus.com/sourceid/110291

219	A single and two step isomerization process for D-Tagatose and L-Ribose bioproduction using L-arabinose isomerase and D-lyxose isomerase	Manisha J Patel, Arti T Patel, Rekha Akhani, Samir R. Dedania, Darshan H Patel	PDPIAS	Enzyme and Microbial Technolog y	1-Feb- 17	0141- 0229	https://www.scopus.com/sourceid/15609
220	Nano silver-embedded electrospun nanofiber of poly(4-chloro-3-methylphenyl methacrylate): use as water sanitizer	Mehdihasan I. Shekh & Nirmal N. Patel & Kaushal P. Patel & Rajnikant M. Patel	PDPIAS	Environ Sci Pollut Res	2/17/2 017	1614- 7499	https://www.scopus.com/sourceid/23918
221	Nano CdS Doped Poly (4-Formyl-2-Methoxyphenyl Methacrylate): Synthesis, Characterization and Thermal Properties	Nirmal N Patel, Kaushal P Patel and Rajnikant M Patel	PDPIAS	Journal of Chemical and Pharmaceut ical Research	2/17/2 017	0975- 7384	
222	Novel Acrylic Copolymers Derived from 4-Chloro-3,5-Dimethyl Phenol: Synthesis, Characterization and Antimicrobial Screening	Dijit M Patel, Kaushal P Patel and Rajnikant M Patel	PDPIAS	Journal of Chemical and Pharmaceut ical Research	5/31/2 017	0975- 7384	

223	Enhancement in recovery of drugs with high protein binding efficiency from human plasma using magnetic nanoparticles	Aniruddha Bhati, Rucha P. Desai, C.N. Ramchand	PDPIAS	Journal of Pharmaceutical and Biomedical Analysis	5-Sep-17	0731-7085	https://www.scopus.com/sourceid/23061
224	Application of an industrial waste magnetic iron dust as a solid phase support for immobilizing enzyme of industrial applications	Jagdish Shantilal Patel, Darshan H Patel, Rucha Desai, Sunil Shah, Piyush Chudasama, Sachin Joshi, Bhargav Patel	PDPIAS	Adsorption Science & Technology	1-Aug-16	0263-6174	https://www.scopus.com/sourceid/16304
225	QUARKONIUM : A COMPARISON WITH POSITRONIUM	Tanvi Bhavsar, Manan Shah, P. C. Vinodkumar	PDPIAS	International Journal of Research in Modern Engineering and Emerging Technology (IJRMEET)	Sept. - 2017	2320-6586	

226	Effect of Particle Concentration on Lubricating Properties of Magnetic Fluid	Kinjal Trivedi, Anjana Kothari, Kinnari Parekh and Ramesh V Upadhyay	KRADL E/PDPIAS	Journal of Nanofluids	1-Jun-18	2169-432X	https://www.scopus.com/sourceid/21100858674
227	Effects of mutations of non-catalytic aromatic residues on substrate specificity of Bacillus licheniformis endocellulase cel12A	Anil S Prajapati, Darshan H Patel, RB Subramanian	PDPIAS	Process Biochemistry, Process Biochem.	1-Apr-18	1359-5113	https://www.scopus.com/sourceid/16134
228	Molecular and biochemical characterization of a thermostable keratinase from Bacillus altitudinis RBDV1	Vishakha A Pawar, Anil S Prajapati, Rekha C Akhani, Darshan H Patel, RB Subramanian	PDPIAS	3 Biotech	2-Feb-18	2190-5738	https://www.scopus.com/sourceid/21100447128
229	Effects of substrate binding site residue substitutions of xynA from Bacillus amyloliquefaciens on substrate specificity	Anil S Prajapati, Vishakha A Pawar, Ketankumar J Panchal, Ankit P Sudhir, Bhaumik R Dave, Darshan H Patel, RB Subramanian	PDPIAS	BMC Biotechnology, BMC Biotechnol	13-Feb-18	1472-6750	https://www.scopus.com/sourceid/14988

230	Review on Cellulase and Xylanase Engineering for Biofuel Production	Anil S Prajapati, Ketankumar J Panchal, Vishakha A Pawar, Monica J Noronha, Darshan H Patel, RB Subramanian	PDPIAS	Industrial Biotechnology, Ind Biotechnol	1-Feb-18	1931-8421	https://www.scopus.com/sourceid/4400151409
231	Sonochemical synthesis of 2,3-dihydro-4(1H)-quinazolinones and 1-amidoalkyl-2-naphthols using magnetic nanoparticle supported ionic liquid as a heterogeneous catalyst	Harsh N Dadhania, Dipak K Raval, Abhishek N Dadhania	PDPIAS	Res Chem Intermed (Springer)	17-Aug-17	1568-5675	https://www.scopus.com/sourceid/21492
232	Magnetic Nanoparticle Supported Phosphotungstic Acid: An Efficient Catalyst for the Synthesis of Xanthene Derivatives	Nipun Patel, Deepak Katheriya, Harsh Dadhania & Abhishek Dadhania	PDPIAS	AIP Conference Proceedings	11-May-18	0094243 X	https://www.scopus.com/sourceid/26916
233	Status of quarkonia-like negative and positive parity states in a relativistic confinement scheme	Tanvi Bhavsar, Manan Shah, P. C. Vinodkumar	PDPIAS	The European Physical Journal C (EPJ C)	16-Mar-18	1434-6052	https://www.scopus.com/sourceid/27545

234	Dip-coated PbS/PVP nanocomposite films with	Mitesh H. Patel, Tapas K. Chaudhuri, Vaibhav K. Patel, T. Shripathi, U. Deshpande, and N. P. Lalla	Departme nt of Chemical Sciecnes	RSC Advances	2017	2046- 2069	https://www.scopus.com/sourceid/21100199840
235	Influence of Pb ⁺² -Thiourea complex concentration on the structural, optical, thermal and electrical properties of PbS/PVP-PVA nanocomposite films	Mitesh H. Patel, Tapas K. Chaudhuri, T. Shripathi, U. Deshpande and Vaibhav K. Patel	Departme nt of Chemical Sciecnes	Journal of Polymer Reserach	2018	1022- 9760	https://www.scopus.com/sourceid/13687
236	Sensing properties of pristine boron nitride nanostructures towards alkaloids: A first principles dispersion corrected study	Basant Roondhe, Shweta D.Dabhi and Prafulla K.Jha	PDPIAS	Applied Surface Science	31- May- 18	0169- 4332	https://www.scopus.com/sourceid/28983
237	The First Principle Calculation Of Structural, Electronic, Magnetic, Elastic, Thermal And Lattice Dynamical Properties Of Fully Compensated Ferrimagnetic Spin-gapless Heusler Alloy Zr ₂ MnGa	Pratik D.Patel, SatyamShinde, Sanjay D.Gupta, Shweta D.Dabhi, Prafulla K.Jha	PDPIAS	Computatio nal Condensed Matter	2-Mar- 18	2352- 2143	https://www.scopus.com/sourceid/21100370079

238	Investigation of structural, electrical and optical properties of SbXW1-XSe2	Abhishek Patel, Pratik Pataniy, Som Narayan, C.K. Sumesh, V.M. Pathak, G.K. Solankia,K.D. Patel, Prafulla K. Jha	PDPIAS	Materials Science in Semicondu ctor Processing	1-Jul- 18	1369- 8001	https://www.scopus.com/sourceid/26675
239	Protective Effects of Diallyl Sulfide Against Ethanol-Induced Injury inRat Adipose Tissue and Primary Human Adipocytes.	Kema VH, Khan I, Jamal R, Vishwakarma SK, Lakki Reddy C, Parwani K, Patel F, Patel D, Khan AA, Mandal Palash	PDPIAS	Alcohol Clin Exp Res	1-Jun- 17	1530- 0277	https://www.scopus.com/sourceid/24791
240	p-Deformation of a general class of polynomials and its properties	Rajesh V. Savalia and B. I. Dave	Maths/P DPIAS	The Journal of the Indian Mathemati cal Society	8/15/2 017	0019- 5839	https://www.scopus.com/sourceid/21100259506

241	Ferrofluid Lubrication of a Rough Porous Secant-Shaped Slider Bearing with Slip Velocity	J. R. Patel, G. M. Deheri, S. J. Patel	PDPIAS	Journal of the Serbian Society for Computational Mechanics	1-Jun-18	1820-6530	https://www.scopus.com/sourceid/21100228011
242	Ferrofluid Lubrication of a Double Layer Porous Rough Slider Bearing	J. R. Patel, G. M. Deheri	PDPIAS	International Journal of Applied Science and Engineering	1-Feb-18	1727-2394	https://www.scopus.com/sourceid/21100822732
243	Elucidating IAA Producing <i>Kocuria flava</i> FA10 as a Potent PGPB and Biocontrol Agent	FARHAT MARCHAWAL A, MIRAG MANGUKIA AND SEEMA AMIN	Biological Sciences, PDPIAS	International Journal of Biotechnology and Biochemistry	28-Jul-18	ISSN 0973-2691 Volume 14, Number 3 (2018) pp. 185-191	
244	1,2,4-Triazole and 1,3,4-oxadiazole analogues: Synthesis, MO studies, in silico molecular docking studies, antimalarial as DHFR inhibitor and antimicrobial activities	Sampark S Thakkar, Parth Thakor, Hiren Doshi, Arabinda Ray	Chemical Sciences	Bioorganic & Medicinal Chemistry	1-Aug-17	0968-0896	https://www.scopus.com/sourceid/25786

245	Benzothiazole analogues: Synthesis, characterization, MO calculations with PM6 and DFT, in silico studies and in vitro antimalarial as DHFR inhibitors and antimicrobial activities	Sampark S Thakkar, Parth Thakor, Hiren Doshi, Arabinda Ray, Vasudev R. Thakkar	Chemical Sciences	Bioorganic & Medicinal Chemistry	15-Oct-17	0968-0896	https://www.scopus.com/sourceid/25786
246	Synthesis, characterization, in silico molecular docking study and biological evaluation of a 5-(phenylthio) pyrazole based polyhydroquinoline core moiety	Nirav H. Sapariya, Beena K. Vaghasiya, Rahul P. Thummar, Ronak D. Kamani, Kirit H. Patel, Parth Thakor, Sampark S. Thakkar, Arabinda Ray and Dipak K. Ravala	Chemical Sciences	New Journal of Chemistry	18-Aug-17	1144-0546	https://www.scopus.com/sourceid/24824
247	COMPATIBILITY OF KOCURIA FLAVA FA10 WITH PSEUDOMONAS PUTIDA FOR GROWTH PROMOTION AND BIOCONTROL OF ROOT KNOT NEMATODES IN OKRA (ABELMOSCHUS ESCULENTUS)	FARHAT MARCHAWAL A, MIRAG MANGUKIA AND SEEMA AMIN	Biological Sciences, PDPIAS	Asian Journal of Microbiology, Biotechnology & Environmental Sciences Paper	1-Aug-18	0972-3005	

248	Bioproduction and characterization of extracellular melanin-like pigment from industrially polluted metagenomic library equipped Escherichia coli	Shivani Amin, Rajesh P. Rastogi, Ravi R. Sonani, Arabinda Ray, Rakesh Sharma, Datta Madamwara	Chemical Sciences	Science of The Total Environme nt	9-Jan- 18	0048- 9697	https://www.scopus.com/sourceid/25349
249	Methacrylate copolymers and their composites with nano-CdS:synthesis, characterization, thermal behavior, and antimicrobial properties	Mehdihasan I. Shekh, Dijit M. Patel, Nirmal N. Patel, Umesh S. Patel, Kaushal P. Patel and Rajnikant M. Patel	Chemical Sciences	Internation al Journal of Industrial Chemistry	5- Aug- 18	2228- 5970	https://www.scopus.com/sourceid/21100406430
250	Phthalimide Subsidiary Containing Novel Acrylate Copolymers to Use as Antimicrobial Agent	<i>Rajesh J Patel Nirmal N Patel , Kaushal P Patel, Rajnikant M Patel</i>	Chemical Sciences	CHARUS AT Journal	6-Apr- 17		
251	Novel acrylate polymer nanocomposites with nano CdS	Patel, Nirmal N Patel, Kaushal P Patel, Rajnikant M	Chemical Sciences	Indian journal of chemistry	12- Jan-17	0376- 4710	https://www.scopus.com/sourceid/24110

252	Phytol induces ROS mediated apoptosis by induction of caspase 9 and 3 through activation of TRAIL, FAS and TNF receptors and inhibits tumor progression factor Glucose 6 phosphate dehydrogenase in lung carcinoma cell line (A549)	ParthThakor, Ramalingam B.Subramanian, Sampark S.Thakkar, ArabindaRay, Vasudev R.Thakkar	Chemical Sciences	Biomedicin e & Pharmacot herapy	8-Jan- 17	0753- 3322	https://www.scopus.com/sourceid/28620
253	Chemical bath deposition and characterization of ZnO rod-array films	Anjana Kothari and T K Chaudhuri	KRADL E	Internation al journal of Research in Modern Engineerin g and emerging technology	Sep-17	2320- 6586	
254	evaluating the effect of diallyl sulfide on regulation of inflammatory mRNA expression in 3T3L1 adipocytes and RAW 264.7 macrophages during ethanol treatment	V H Kema, I Khan, S Kapur and Palash Mandal	PDPIAS	Drug and chemical toxicology	12- Nov- 17	0148- 0545	http://doi.org/10.1080/01480545.2017.1405969
255	Potential molecular mechanism of probiotics in alcoholic liver disease	Dhara Patel, Farhin Patel and Palash Mandal	PDPIAS	Journal of alcoholism & drug dependence	31- Aug- 17	2329- 6488	DOI:10.4172/2320-6488.1000278

256	Association of advanced glycation end products (AGEs) with diabetic nephropathy and alcohol consumption	Kirti Parwani and Palash Mandal	PDPIAS	Journal of alcoholism & drug dependence	8-Dec-17	2329-6488	doi:10.4172/2320-6488.1000200
257	An approach for scalable production of Silver (Ag) decorated WS2 nanosheets	C. K. Sumesh, Sanni Kapatel and Arti Chaudhari	PDPIAS	AIP Conference Proceedings		0094-243X	
258	Spectroscopy and decay properties of s^- mesons using Martin-like confinement potential	P. C. Vinodkumar, Tanvi Bhavsar, Manan Shah	PDPIAS	Proceedings of the DAE-BRNS Symp. on Nucl. Phys.	May-18	43093	
259	A relativistic quark model for T2cs	Tanvi Bhavsar, Manan Shah, P. C. Vinodkumar	PDPIAS	Proceedings of the DAE-BRNS Symp. on Nucl. Phys.	May-18	43093	

260	S-wave spectroscopy and Hyperfine splitting of Bc meson	Manan Shah, Tanvi Bhavsar, P. C. Vinodkumar	PDPIAS	Proceedings of the DAE-BRNS Symp. on Nucl. Phys.	May-18	43093	
261	Pseudoscalar Charmonia Masses And Its Digamma Decay Width With QCD Correction	Tanvi Bhavsar, Manan Shah, P. C. Vinodkumar	PDPIAS	AIP Conference Proceedings	May-18		978-0-7354-1648-2
262	Quarkonium: a comparison with Positronium	Tanvi Bhavsar, Manan Shah, P. C. Vinodkumar	PDPIAS	International Journal of Research in Modern Engineering and Emerging Technology (IJRMEET)	May-18	42979	ISSN: 2320-6586

263	Masses of T _{4c} tetra quark state in a relativistic formalism	P. C. Vinodkumar, Tanvi Bhavsar, Manan Shah	PDPIAS	Proceedings of Science (PoS)	May-18	42979	ISSN: 1824-8039
264	Decay Properties of J^{\pm} State of Quarkonia in Dirac Relativistic Formalism	Manan Shah, P. C. Vinodkumar, Tanvi Bhavsar and Bhavin Patel	PDPIAS	Proceedings of XII DAE-BRNS High Energy Physics (HEP) Symposium 2016	May-18	42720	(ISSN 1867-4941) (ISBN: 978-3-319-73171-1)
265	Mass Spectra of Bottonia Using Linear Potential in Relativistic Frame Work	Tanvi Bhavsar, Manan Shah, Bhavin Patel and P. C. Vinodkumar	PDPIAS	Proceedings of XII DAE-BRNS High Energy Physics (HEP) Symposium 2017	2018	43085	(ISSN 1867-4941) (ISBN: 978-3-319-73171-1)

266	Magnetic Nanoparticle Supported Phosphotungstic Acid: An Efficient Catalyst for the Synthesis of Xanthene Derivatives	Nipun Patel, Deepak Katheriya, Harsh Dadhania, Abhishek Dadhania	Chemical Sciences	AIP Conference Proceedings	2018	0094-243X	
267	Effect of Growth Parameters on the Optical Properties of ZnO Nanostructures Grown by Simple Solution Methods	Anjana Kothari	KRADLE	American Institute of Physics (AIP) Conference Proceedings	2-May-17		978-0-7354-1507-2
268	Influence of multi-components in a magnetic fluid on tribological properties	Trivedi Kinjal, Upadhyay V Ramesh	PDPIAS	Proceeding tribology society of India	42898		Tribology society of India
269	Column chromatography free purification of recombinant α -amylase from Bacillus licheniformis by tagging with hydrophobic Elastin Like Polypeptide	Rekha C. Akhani, Arti T. Patel, Manisha J. Patel, Samir R. Dedania and Darshan H. Patel	PDPIAS	Proceedings of National Academy of Science India Section B	2018	0369-8211	

270	Methacrylate copolymers and their composites with nano-CdS: synthesis, characterization, thermal behavior, and antimicrobial properties	Mehdihasan I. Shekh, Dijit M. Patel, Nirmal N. Patel, Umesh S. Patel, Kaushal P. Patel & Rajnikant M. Patel	Chemical Sciences	International Journal of Industrial Chemistry	8-May-18	2228-5547	https://www.scopus.com/sourceid/21100406430
271	Phthalimide subsidiary containing novel Acrylate copolymers to use as Antimicrobial Agent	Nirmal N. Patel, Kaushal P. Patel, Rajnikant M. Patel, Rajesh J. Patel	Chemical Sciences	Charusat Journal	1-Sep-17	---	
272	Novel acrylate polymer nanocomposites with nano CdS	Nirmal N. Patel, Kaushal P. Patel, Rajnikant P. Patel	Chemical Sciences	Indian Journal of Chemistry	1-Dec-17	0376-4699	https://www.scopus.com/sourceid/24110
273	Phytol induces ROS mediated apoptosis by induction of caspase 9 and 3 through activation of TRAIL, FAS and TNF receptors and inhibits tumor progression factor Glucose 6 phosphate dehydrogenase in lung carcinoma cell line (A549)	Parth Thakor, Ramalingam B Subramanian, Sampark S Thakkar, Arabinda Ray, Vasudev R Thakkar	Chemical Sciences	Biomedicine & Pharmacotherapy	1-Aug-17	0753-3322	https://www.scopus.com/sourceid/28620

274	Magnetic field induced birefringence in magnetic fluid	Urveshkumar Soni, Rucha Desai	PDPIAS	American Institute of Physics (AIP) Conference Proceeding s	43228	0094- 243X	978-0-7354-1648-2
2016-17							
275	Title of paper	Name of the author/s	Departm ent of the teacher	Name of journal	Year of public ation	ISSN number	Link to the recognition in UGC enlistment of the Journal
276	Loss of Junctional Adhesion Molecule A Promotes Severe Steatohepatitis in Mice on a Diet High in Saturated Fat, Fructose, and Cholesterol	Rahman K, Desai C, Iyer SS, Thorn NE, Kumar P, Liu Y, Smith T, Neish AS, Li H, Tan S, Wu P, Liu X, Yu Y, Farris AB, Nusrat A, Parkos CA, Anania FA.	PDPIAS	Gastroenter ology	1-Oct- 16	0016- 5085	https://www.scopus.com/sourceid/21100205706
277	The microenvironment of injured murine gut elicits a local pro-restitutive microbiota	Alam A, Leoni G, Quiros M, Wu H, Desai C, Nishio H, Jones RM, Nusrat A	PDPIAS	Nature Microbiolo gy	27- Jan-16		https://www.ugc-journal-list.website/journal/175/nature-microbiology

		and Neish AS.					
278	Idiosyncrasy of local fungal isolate Hypocrea rufa strain P2: Plant growth promotion and mycoparasitism	Parth Thakor, Dweipayan Goswami, Janki Thakker, Pinakin Dhandhukia	Biologica 1 Sciences, PDPIAS	JMBFS	6/1/20 16	1338- 5178	https://www.scopus.com/sourceid/21100823448
279	Portraying mechanics of plant growth promoting rhizobacteria (PGPR): A review	Dweipayan Goswami, Pinakin Dhandhukia, Janki Thakker,	Biologica 1 Sciences, PDPIAS	Cogent Food & Agriculture	1-19- 2016	2331- 1932	
280	Mechanism of acid corrosion inhibition using magnetic nanofluid	Kinnari Parekh, Smita Jauhari and R V Upadhyay	KRADL E	Advances in Natural Sciences: Nanoscience and Nanotechnology	15- Oct-16	ISSN: 2043- 6262	https://www.scopus.com/sourceid/21100286862
281	Prevention of hot spot temperature in a distribution transformer using magnetic fluid as a coolant	Jaykumar Patel, Kinnari Parekh, R.V. Upadhyay	KRADL E	International Journal of Thermal Sciences	1- May- 16	ISSN: 1290- 0729	https://www.scopus.com/sourceid/13761

282	Influence of crystallite size on the magnetic properties of Fe ₃ O ₄ nanoparticles	Sneha Upadhyay, Kinnari Parekh, Brajesh Pandey	KRADL E	Journal of Alloys and Compounds	5-Sep-16	ISSN: 0925-8388	https://www.scopus.com/sourceid/12325
283	Temperature dependence quasi-static measurements on a magnetorheological fluid having plate like iron particles as dispersed phase	Zarana Laherishethand Ramesh V Upadhyay	PDPIAS	Journal of Intelligent Material Systems and Structures	16-Jun-20	ISSN: 1045-389X	https://www.scopus.com/sourceid/21157
284	Spectroscopy and flavor changing decays of B, B _s mesons in a Dirac formalism	Manan Shah, Bhavin Patel and P. C. Vinodkumar	PDPIAS	PHYSICAL REVIEW D	16-May-20	ISSN: 2470-0029	https://www.scopus.com/sourceid/21100779241
285	D meson spectroscopy and their decay properties using Martin potential in a relativistic Dirac formalism,	Manan Shah, Bhavin Patel and P. C. Vinodkumar	PDPIAS	The European Physical Journal C	22-Jan-16	ISSN: 1434-6052	
286	Functions of bounded fractional differential variation-A new concept	Jyotindra C. Prajapati and Krunal B. Kachhia	PDPIAS	Georgian Mathematical Journal	21-Jul-16	1572-9176	https://www.scopus.com/sourceid/6100152706

287	Some Integral Transforms and Fractional Integral Formulas for the Extended Hypergeometric Functions	Praveen Agarwal, Junesang Choi, Krunal B. Kachhia, Jyotindra C. Prajapati and H. Zhou	PDPIAS	Communication of Korean Mathematical Society	26-Jul-16	1225-1763	
288	Some Integral Transforms Involving Extended Generalized Gauss Hypergeometric Functions	Junesang Choi, Krunal B. Kachhia, Jyotindra C. Prajapati and Sunil Dutt Purohit	PDPIAS	Communication of Korean Mathematical Society	10-31-2016	1225-1763	
289	On Generalized Fractional Kinetic Equations Involving Generalized Lommel-Wright Functions	Krunal B. Kachhia and Jyotindra C. Prajapati	PDPIAS	Alexandria Engineering Journal	18-May-16	1110-0168	https://www.scopus.com/sourceid/13907
290	Fractional Calculus Approach to Study Temperature Distribution Within a Spinning Satellite	Jyotindra C. Prajapati, Krunal B. Kachhia and Shiv Prasad Kosta	PDPIAS	Alexandria Engineering Journal	1-Sep-16	1110-0168	https://www.scopus.com/sourceid/13907

291	Electrospun Nanofibers of Poly(NPEMA-co.-CMPMA): Used as Heavy Metal Ion Remover and Water Sanitizer	Mehdihasan I. Shekh, Dijit M. Patel, Kaushal P. Patel, Rajni M. Patel	PDPIAS	Fibers and Polymers	12-Feb-17	12299197	https://www.scopus.com/sourceid/144862
292	Bioproduction of d-Tagatose from d-Galactose Using Phosphoglucose Isomerase from Pseudomonas aeruginosa PAO1	Manisha J Patel, Arti T Patel, Rekha Akhani, Samir Dedania, Darshan H Patel	PDPIAS	Applied Biochemistry and Biotechnology	27-Feb-16	2732289	https://www.scopus.com/sourceid/110291
293	Biochemical Leaning of Phosphoglucose Isomerase is More Towards Gluconeogenesis in Pseudomonas aeruginosa PAO1	Arti T. Patel, Rekha C. Akhani, Manisha J. Patel, Samir R. Dedania and Darshan H.	PDPIAS	Asian Journal Of Biochemistry	2016	1815-9931	https://www.scopus.com/sourceid/11300153309
294	Enhanced catalysis of l-asparaginase from Bacillus licheniformis by a rational redesign	Ankit P Sudhir, Viplove V Agarwal, Bhaumik R Dave, Darshan H Patel, RB Subramanian	PDPIAS	Enzyme and Microbial Technology	1-May-16	0141-0229	https://www.scopus.com/sourceid/15609
295	Direct-Coated Photoconducting Nanocrystalline PbS Thin Films with Tunable Band Gap	Dhaval Vankhade, Anjana Kothari, T. K. Chaudhuri	KRADLE	Journal of Electronic Materials	19-Feb-16	0361-5235	https://www.scopus.com/sourceid/26620

296	Optical and spectroscopic investigation of tunable size PbS nanocrystals embedded in insulating PVA matrix	Mitesh H. Patel, Tapas K. Chaudhuri, T. Shripathi, U. Deshpande, Vaibhav K. Patel	KRADL E	Journal of Materials Science: Materials in Electronics	23-Jul-16	0957-4522	https://www.scopus.com/sourceid/21177
297	Dip-coated PbS/PVP nanocomposite films with tunable band gap	Mitesh H. Patel, Tapas K. Chaudhuri, Vaibhav K. Patel, T. Shripathi, U. Deshpande and N. P. Lalla	KRADL E	RSC Advances	16-Jan-17	2046-2069	https://www.scopus.com/sourceid/21100199840
298	Fabrication of novel anti-cancer polyoxometalate [CoW ₁₁ O ₃₉ (CpTi)] ⁷⁻ -Chitosan nano-composite, Its toxicity reduction and sustained release	V. M. Pandya and S. A. Joshi	KRADL E	Asian Journal of Pharmaceutical & Clinical Research		2455-3891	
299	Novel gelatin-polyoxometalate based self assembled pH responsive hydrogels: formulation and in vitro characterization	Azizullah, N. ur-Rehman, W. Liu, A. Haider, U. Kortz, M. Sohail, S. A. Joshi & J. Iqbal	KRADL E	Designed Monomers and Polymers	22-Aug-16	1568-5551	https://www.scopus.com/sourceid/12900

300	Preparation and characterization of chemically deposited nickel sulphide film and its application as a potential counter electrode	Jaymin Ray, Mitesh Patel, Prashant Ghediya and T. K. Chaudhuri,	KRADL E	Materials Research Express	25-Jul-16	2053-1591	https://www.scopus.com/sourceid/21100432452
301	Facile one-step synthesis of PbS/Polyvinylpyrrolidone nanocomposite films	Mitesh H. Patel, T. K. Chaudhri, Jaymin Ray and Sachin Joshi	KRADL E	Adv. Sci. Lett	4-Apr-16	1936-6612	
302	Direct-coated photoconducting nanocrystalline PbS thin film with tunable band gap	Dhaval Vankhade, Anjana Kothari and Tapas K. Chaudhuri	KRADL E	Journal of Electronic Materials	19-Feb-16	ISSN: 0361-5235	https://www.scopus.com/sourceid/26620
303	Electrical conduction of CZTS films in dark and under light from molecular solution ink	Prashant R. Ghediya, T. K. Chaudhuri and Dhaval Vankhade	KRADL E	Journal of Alloys and Compounds	15-Nov-16	0925-8388	https://www.scopus.com/sourceid/12325
304	Photothermoelectric and photoconducting properties of layer-by-layer deposited nanocrystalline PbS films	Dhaval Vankhade and Tapas K. Chaudhuri	KRADL E	Springer Proceedings in Physics	21-Oct-16	Print ISBN 978-3-319-29095-9	

305	Electrochemical loading of TEM grids used for the study of potential dependent morphology of polyaniline nanofibres	Gopal Ram Bhadu, A. Paul, M. Perween, R. Gupta, J. Chaudhari, D N Srivastava	PDPIAS	J. microscopy	1-Mar-16	0022-2720	https://www.scopus.com/sourceid/20919
306	Fluorescence characteristics of carbon nanoemitters derived from sucrose by green hydrothermal and microwave methods	Rajesh Patidar, Babulal Rebarry, Gopala Ram Bhadu	PDPIAS	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	5-Dec-16	1386-1425	https://www.scopus.com/sourceid/24530
307	Temperature dependence quasi-static measurements on a magnetorheological fluid having plate like iron particles as dispersed phase	Zarana Laherisheth and Ramesh V Upadhyay	PDPIAS	Journal of Intelligent Materials system and structures		ISSN: 1045-389X	
308	A rapid qualitative assay for detection of Clostridium perfringens in canned food products	Gayatri Dave	Biological Sciences, PDPIAS	Acta Biochimica Polonica	7/11/2017		https://www.scopus.com/sourceid/16753

309	Synthesis, characterization and in silico designing of diethyl-3-methyl-5-(6-methyl-2-thioxo-4-phenyl-1,2,3,4-tetrahydropyrimidine-5-carboxamido) thiophene-2,4-dicarboxylate derivative as anti-proliferative and anti-microbial agents	Kalpesh Malani, Sampark S Thakkar, Mukund Chandra Thakur, Arabinda Ray, Hiren Doshi	Chemical Sciences, PDPIAS	Bioorganic Chemistry	1-Oct- 16	0045- 2068	
310	Synthesis and biological screening of novel 2-morpholinoquinoline nucleus clubbed with 1,2,4-oxadiazole motifs.	Karad SC, Purohit VB, Thummar RP, Vaghasiya BK, Kamani RD, Thakor P, Thakkar VR, Thakkar SS, Ray A, Raval DK	Chemical Sciences, PDPIAS	European Journal of Medicinal Chemistry	9/12/2 016	0223- 5234	https://www.scopus.com/sourceid/17464
311	Ionic Liquid Promoted Facile And Green Synthesis Of 1,8-dioxo-octahydroxanthene Derivatives Under Microwave Irradiation	ABHISHEK NATHALAL DADHANIA; VAIBHAV KIRITKUMAR PATEL; DIPAK K RAVAL	Chemical Sciences, PDPIAS	Journal of Saudi Chemical Society	1-Jan- 17	1319- 6103	https://www.scopus.com/sourceid/19400158707
312	Synthesis and biological screening of novel 2-morpholinoquinoline nucleus clubbed with 1,2,4-oxadiazole motifs.	Karad SC, Purohit VB, Thummar RP, Vaghasiya BK, Kamani RD, Thakor P, Thakkar VR,	Chemical Sciences, PDPIAS	European Journal of Medicinal Chemistry	9-Dec- 16	0223- 5234	https://www.scopus.com/sourceid/17464

		Thakkar SS, Ray A, Raval DK					
313	Status of Zc (4050), Y(4140) and Y(4360) states as mixed P wave states of charmonium	Tanvi Bhavsar, Manan Shah, P. C. Vinodkumar	Physical Sciences, PDPIAS	Proceeding s of the DAE- BRNS Symp. on Nucl. Phys.	12/9/2 016		www.symnpnp.org/proceedings
314	Mass spectra of Charmonia using Martin-like potential in a Relativistic Dirac formalism	P. C. Vinodkumar, Manan Shah, Tanvi Bhavsar, Bhavin Patel	Physical Sciences, PDPIAS	Proceeding s of the DAE- BRNS Symp. on Nucl. Phys.	12/9/2 016		www.symnpnp.org/proceedings
315	Effect of growth parameters on the optical properties of ZnO nanostructures grown by simple solution methods	Anjana Kothari	KRADL E	AIP Conference Proceeding s	2016		https://www.scopus.com/sourceid/12325
316	Optical properties of PbS/ Polyvinylpyrrolidone nanocomposite films	Mitesh Patel, Tapas K. Chaudhri, Vaibhav K. Patel, T. Shripathi and U. Deshpande	KRADL E	AIP Conf. Proc.	2016		https://www.scopus.com/sourceid/21157

317	Effect of light on hopping conduction in kesterite CZTS thin films	Prashant Ghediya, T. K. Chaudhuri and Jaymin Ray	KRADL E	AIP Conference Proceedings	2016		https://www.scopus.com/sourceid/21100779241
318	Temperature dependence electrical conduction of solution processed CZTS films in dark and under light	Prashant R. Ghediya and T. K. Chaudhuri	KRADL E	The European Physical Journal C, IOP Conf. Series: Materials Science and Engineering	07-08-1905		doi:10.1088/1757-899X/149/1/012162
2015-16							
319	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
320	Magnetically Retrievable Magnetite (Fe ₃ O ₄) Immobilized Ionic Liquid: An Efficient Catalyst For The Preparation Of 1-carbamatoalkyl-2-naphthols	HARSH N DADHANIA, ABHISHEK NATHALAL DADHANIA, DIPAK K RAVAL	PDPIAS	Catalysis Science & Technology	2015	2044-4753	https://doi.org/10.1039/C5CY00849B

321	Copolymers Of Phthalimide Moiety Containing 2-(N-phthalimido) Ethyl Methacrylate (NPEMA) With P-acetamidophenyl Methacrylate (PAPMA): Synthesis, Characterization, Thermal Properties And Antimicrobial Activity	SHEKH MEHDIHASAN IJMAHMMAD , KAUSHAL PRALHADBHAI PATEL , RAJNIKANT MULJIBHAI PATEL	PDPIAS	Journal Of Chemical And Pharmaceutical Research	2015	0975-7384	https://www.jocpr.com/abstract/copolymers-of-phthalimide-moiety-containing-2nphthalimido-ethyl-methacrylate-npema-with-pacetamidophenyl-methacrylate-pa-6516.html
322	Electrospun Nanofibers Of Poly(NPEMA-co.-CMPMA): Used As Heavy Metal Ion Remover And Water Sanitizer	SHEKH MEHDIHASAN IJMAHMMAD, KAUSHAL PRALHADBHAI PATEL, RAJNIKANT MULJIBHAI PATEL, DIJIT M. PATEL	PDPIAS	Fibers And Polymers	2016	1229-9197	https://doi.org/10.1007/s12221-016-5861-9
323	Solar Energy Induced Biginelli Reaction: A Greener Approach For The Synthesis Of 3,4-dihydropyrimidin-2-(1H)-one Derivatives	ABHISHEK NATHALAL DADHANIA, HARSH N DADHANIA, DIPAK K RAVAL	PDPIAS	PRAJNĀ - Journal of Pure and Applied Sciences	2015	0975-2595	NA

324	Optical and spectroscopic investigation of tunable size PbS nanocrystals embedded in insulating PVA matrix	PATEL MITESHKUM AR HARISHBHAI, VAIBHAV KIRITKUMAR PATEL, TAPAS K. CHAUDHURI, T. SHRIPATHI, U. DESPANDE	PDPIAS	Journal of Materials Science: Materials in Electronics	2016	0957- 4522	10.1007/s10854-016-5395-3
325	A NANOSCALE DENDRITIC MACROMOLECULES BASED ON ETHANE 1, 2-DIAMINE AS POTENTIAL DRUG CARRIERS FOR NSAIDS: SYNTHESIS, CHARACTERIZATION AND APPLICATIONS	RINKESH M PATEL, PRAVINKUM AR M PATEL, RAJNIKANT MULJIBHAI PATEL, DHAVAL G GAJJAR,	PDPIAS	Internation al Journal of Applied Pharmaceut ics	2015	0975- 7058	NA
326	Excitonic emission and absorption resonances in V _{0.25} W _{0.75} Se ₂ single crystals grown by direct vapour transport technique	PRATIK PATANIA, C K SUMESH	PDPIAS	Journal of Crystal Growth	2016	0022- 0248	https://doi.org/10.1016/j.jcrysgr.2016.02.018

327	Spectroscopy and flavor changing decays of B, Bs mesons in a Dirac formalism,	MANANKUM AR NARESHKUM AR SHAH (PDPIAS	Physical Review D	2016	2470- 0029	10.1103/PhysRevD.93.094028
328	D meson spectroscopy and their decay properties using Martin potential in a relativistic Dirac formalism	MANANKUM AR NARESHKUM AR SHAH	PDPIAS	The European Physical Journal C	2016	1434- 6052	10.1140/epjc/s10052-016-3875-5
329	Direct-Coated Photoconducting Nanocrystalline PbS Thin Films with Tunable Band Gap	VANKHADE DHAVAL ASHOKBHAI, TAPAS K CHAUDHURI , ANJANA KOTHARI	KARDL E	Journal of ELECTRO NIC MATERIA LS	2016	0361- 5235	10.1007/s11664-016-4364-1
330	Prevention of Hot-spot temperature in a distribution transformer using Magnetic fluid as a coolant	KINNARI HARSUMANB HAI PAREKH, R V UPADHYAY , JAYKUMAR NAVINCHAN DRA PATEL	KARDL E	Internation al Journal of Thermal Sciences	2016	1290- 0729	https://doi.org/10.1016/j.ijthermalsci.2015.12.012

331	Technique to optimize magnetic response of gelatin coated magnetic nanoparticles	PARIKH NIDHIBAHEN PANKAJKUM AR , KINNARI HARSUMANB HAI PAREKH	KARDL E	Journal of Materials Science: Materials in medicine	2016	0957- 4530	https://doi.org/10.1007/s10856-015-5534-z
332	Ultrasonic propagation: A technique to reveal Field induced structures in magnetic nanofluids	KINNARI HARSUMANB HAI PAREKH, R V UPADHYAY, JAYKUMAR NAVINCHAN DRA PATEL	KARDL E	Ultrasonics	2016	0041- 624X	https://doi.org/10.1016/j.ultras.2015.03.001
333	Maneuvering the thermal conductivity of magnetic nanofluids by tunable magnetic fields	JAYKUMAR NAVINCHAN DRA PATEL, KINNARI HARSUMANB HAI PAREKH, DR.R V UPADHYAY	KARDL E	J. Appl. Phys.	2015	0021- 8979	https://doi.org/10.1063/1.4923187
334	The Effect of Spherical Nanoparticles on Rheological Properties of Bi-Dispersed Magnetorheological Fluids	K.THIRUPPAT HI KANNAPPAN, KINNARI HARSUMANB HAI PAREKH, LAHERISHET H ZARANA NIMESHKUM	KARDL E	AIP Conference Proceeding s	2015	0021- 8979	10.1063/1.4918168

		AR, R V UPADHYAY					
335	Solution Of Fractional Partial Differential Equation Aries In Study Of Heat Transfer Through Diathermanous Materials	KRUNALKUM AR BHUPENDRA BHAI KACHHIIA, JYOTINDRA C. PRAJAPATI	PDPIAS	Journal Of Interdiscipl inary Mathemati cs	2015	0972- 0502	10.1080/09720502.2014.996017
336	Certain Properties Of Modified Laguerre Polynomials Via Lie Algebra	KRUNALKUM AR BHUPENDRA BHAI KACHHIIA , JYOTINDRA C. PRAJAPATI, SUNIL DUTT PUROHIT	PDPIAS	Mathemati cal Sciences Letters	2015	2090- 9616	http://www.naturalspublishing.com/files/published/71zq2b5i22gaa9.pdf
337	Synthesis, characterization and antimicrobial activity of novel acrylic materials	PATEL DIJITKUMAR MAHENDRAB HAI, KAUSHAL PRALHADBH AI PATEL, RAJNIKANT MULJIBHAI	PDPIAS	Journal of Chemical and Pharmaceut ical Research	2015	0975- 7384	http://www.jocpr.com/articles/synthesis-characterization-and-antimicrobial-activity-of-novel-acrylic-materials.pdf

		PATEL, SHEKH MEHDIHASA N IJMAHMMAD					
338	Dendritic macromolecules as nano-scale drug carriers: Phase solubility, in vitro drug release, hemolysis and cytotoxicity study	PRAVINKUM AR M.PATEL, RAJNIKANT MULJIBHAI PATEL, DEVANG WADIA, RINKESH PATEL,	PDPIAS	Asian Journal of Pharmaceut ical Sciences	2015	1818- 0876	https://doi.org/10.1016/j.ajps.2015.04.002
339	A NANOSCALE DENDRITIC MACROMOLECULES BASED ON ETHANE 1, 2-DIAMINE AS POTENTIAL DRUG CARRIERS FOR NSAIDS: SYNTHESIS, CHARACTERIZATION AND APPLICATIONS	RINKESH M PATEL, PRAVINKUM AR M PATEL, RAJNIKANT MULJIBHAI PATEL , DHAVAL G GAJJAR	PDPIAS	Internation al Journal of Applied Pharmaceut ics	2015	0975- 7058	https://doi.org/10.22159/ijap.2015v7i2.8301
340	Idiosyncrasy of local fungal isolate Hypocrea rufa strain P2: Plant growth promotion and mycoparasitism	Parth Thakor, Dweipayan Goswami, Janki Thakker, Pinakin Dhandhukia	Biologica l Sciences, PDPIAS	JMBFS	2016	1338- 5178	10.15414/jmbfs.2016.5.6.593-598

341	Portraying mechanics of plant growth promoting rhizobacteria (PGPR): A review	Dweipayan Goswami, Pinakin Dhandhukia, Janki Thakker,	Biological Sciences, PDPIAS	Cogent Food & Agriculture	2016	2331-1932	https://doi.org/10.1080/23311932.2015.1127500
342	Prevention of hot spot temperature in a distribution transformer using magnetic fluid as a coolant	Jaykumar Patel, Kinnari Parekh, R. V. Upadhyay	KRADLE	International Journal of Thermal Sciences	2016	1290-0729	https://doi.org/10.1016/j.ijthermalsci.2015.12.012
343	D meson spectroscopy and their decay properties using Martin potential in a relativistic Dirac formalism,	Manan Shah, Bhavin Patel and P. C. Vinodkumar	PDPIAS	The European Physical Journal C	2016	1434-6052	https://doi.org/10.1140/epjc/s10052-016-3875-5
344	On Generalized Fractional Kinetic Equations Involving Generalized Lommel-Wright Functions	Krunal B. Kachhia and Jyotindra C. Prajapati	PDPIAS	Alexandria Engineering Journal	2016	1110-0168	https://doi.org/10.1016/j.aej.2016.04.038

345	Bioproduction of d-Tagatose from d-Galactose Using Phosphoglucose Isomerase from <i>Pseudomonas aeruginosa</i> PAO1	Manisha J Patel, Arti T Patel, Rekha Akhani, Samir Dedania, Darshan H Patel	PDPIAS	Applied Biochemistry and Biotechnology	2016	2732289	https://doi.org/10.1007/s12010-016-2026-7
346	Biochemical Leaning of Phosphoglucose Isomerase is More Towards Gluconeogenesis in <i>Pseudomonas aeruginosa</i> PAO1	Arti T. Patel, Rekha C. Akhani, Manisha J. Patel, Samir R. Dedania and Darshan H.	PDPIAS	Asian Journal Of Biochemistry	2016	1815-9931	10.3923/ajb.2016.118.126
347	Enhanced catalysis of l-asparaginase from <i>Bacillus licheniformis</i> by a rational redesign	Ankit P Sudhir, Viplove V Agarwal, Bhaumik R Dave, Darshan H Patel, RB Subramanian	PDPIAS	Enzyme and Microbial Technology	2016	0141-0229	https://doi.org/10.1016/j.enzmictec.2015.11.010
348	Direct-Coated Photoconducting Nanocrystalline PbS Thin Films with Tunable Band Gap	Dhaval Vankhade, Anjana Kothari, T. K. Chaudhuri	KRADL E	Journal of Electronic Materials	2016	0361-5235	https://doi.org/10.1007/s11664-016-4364-1

349	Fabrication of novel anti-cancer polyoxometalate [CoW ₁₁ O ₃₉ (CpTi)] ⁷⁻ -Chitosan nano-composite, Its toxicity reduction and sustained release	V. M. Pandya and S. A. Joshi	KRADL E	Asian Journal of Pharmaceutical & Clinical Research	2016	2455-3891	10.22159/ajpcr.2017.v10i4.16721
350	Facile one-step synthesis of PbS/Polyvinylpyrrolidone nanocomposite films	Mitesh H. Patel, T. K. Chaudhri, Jaymin Ray and Sachin Joshi	KRADL E	Adv. Sci. Lett	2016	<u>1936-6612</u>	https://doi.org/10.1166/asl.2016.6947
351	Direct-Coated Photoconducting Nanocrystalline PbS Thin Films with Tunable Band Gap	Dhaval Vankhade, Anjana Kothari, T. K. Chaudhuri	KRADL E	Journal of Electronic Materials	2016	0361-5235	https://doi.org/10.1007/s11664-016-4364-1
352	Electrochemical loading of TEM grids used for the study of potential dependent morphology of polyaniline nanofibres	Gopal Ram Bhadu, A. Paul, M. Perween, R. Gupta, J. Chaudhari, D N Srivastava	PDPIAS	J. microscopy	2016	0022-2720	10.1111/jmi.12359

353	Temperature dependence quasi-static measurements on a magnetorheological fluid having plate like iron particles as dispersed phase	Zarana Laherisheth and Ramesh V Upadhyay	PDPIAS	Journal of Intelligent Materials system and structures	2016	1045-389X	https://doi.org/10.1177/1045389X15590271org/10
354	Assessment of Growth Factors Secreted by Human Breastmilk Mesenchymal Stem Cells	Pankaj Mahipatrao Kaingade, Indumathi Somasundaram, Amar Babaso Nikam, Shabari Amit Sarang and Jagdish Shantilal Patel	PDPIAS	BREASTFEEDING MEDICINE	2016	1556-8253	https://doi.org/10.1089/bfm.2015.0124
355	Cellular Effect of Curcumin and Citral Combination on Breast Cancer Cells: Induction of Apoptosis and Cell Cycle Arrest	Pinaki B. Patel, Vasudev R. Thakkar, Jagdish S. Patel	PDPIAS	J Breast Cancer	2015	1738-6756	http://dx.doi.org/10.4048/jbc.2015.18.3.225
356	dark and photo conductivity of doctor bladed CZTS films above room temperature	Prashant R Ghediya and Tapas K Chaudhuri	KRADLE	<i>J. Phys. D: Appl. Phys.</i>	2015	1361-6463	10.1088/0022-3727/48/45/455109

357	Optimization of Prodigiosin-type Biochrome Production and Effect of Mordants on Textile Dyeing to Improve Dye Fastness	Kishor Chauhan, Pooja Dalsaniya, and Hilor Pathak	PDPIAS	Fibers and Polymers	2015	1229-9197	10.1007/s12221-015-0802-6
358	Simultaneous detection and quantification of indole-3-acetic acid (IAA) and indole-3-butyric acid (IBA) produced by rhizobacteria from l-tryptophan (Trp) using HPTLC	Dweipayan Goswami, Janki N.Thakker, Pinakin C.Dhandhukia	PDPIAS	Journal of Microbiological Methods	2015	0167-7012	https://doi.org/10.1016/j.mimet.2015.01.001
359	<u>Size induced inverse spins canting in CO–Zn system: Neutron diffraction and magnetic studies</u>	H Parmar, RV Upadhyay, S Rayaprol, V Siruguri	PDPIAS	Journal of Magnetism and Magnetic Materials	2015	0304-8853	https://doi.org/10.1016/j.jmmm.2014.10.071
360	Development of CdS Nanostructures by Thermal Decomposition of Aminocaproic Acid-Mixed Cd-Thiourea Complex Precursor: Structural, Optical and Photocatalytic Characterization	Patel, Jayesh D.; Mighri, Frej; Aji, Abdellah; Chaudhuri, Tapas K.	KRADL E	<u>Journal of Nanoscience and Nanotechnology</u>	2015	<u>1533-4880</u>	https://doi.org/10.1166/jnn.2015.9211

361	Dilution dependent magnetorheological effect of flake-shaped particle suspensions —destructive friction effects	Erik Siebert, Zarana Laherisheth and Ramesh V Upadhyay	PDPIAS	Smart Mater. Struct.	2015	1361- 665X	https://doi.org/10.1088/0964-1726/24/7/075011
362	One pot sono-chemical synthesis of 2D layered MoS2 nanosheets	SANNI DILIPBHAI KAPATEL , C K SUMESH	PDPIAS	Internation al Conference on Condense Matter & Applied Physics	2016	978-0- 7354- 1375-7	10.1063/1.4946182
363	Thermorheological properties of nanomagnetorheological fluid in dynamic mode: experimental investigation	Kruti Shah, Seung-Bok Choi and Hyoung Jin Cho	PDPIAS	Smart Mater. Struct	2015	1361- 665X	https://doi.org/10.1088/0964-1726/24/5/057001

Books and Book Chapters by Faculties of PDPIAS

2020-2021										
Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/IS SN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	(EDITOR & WRITER) CE - JIMITKUMAR RATILAL PATEL (3091), CHARUSAT	Remedial mathematics in B. Pharm.	NA	NA	NA	International	2020	6200-6140-75	PDPIAS	GlobeEdit
2	DIPALKUMAR M PATEL - DR.R V UPADHYAY - DR. D.V.BHATT,		Shear Mode Damper Testing Using Flake Shape Based Magnetorheological Fluids	Recent Advancements in Design and Manufacturing (ICRADM - 2020)	Recent Advancements in Design and Manufacturing (ICRADM - 2020)	International (Within India)	2020	NA	PDPIAS	NA
3	(Writer) Maths Rajesh V. Savalia	A System of p-Polynomials and its q-analogue	NA	NA	NA	International	2020	979-8-68467-189-0	PDPIAS	ProQuest LLC

4	Kinnari Parekh and R V Upadhyay	book entitled “Nanomaterials-Based Composites for Energy Applications: Emerging Technology and Trends”	Application of Magnetic Fluid in Energy Sector	NA	NA	International	31-Dec-20	ISBN: 9781771888066	KRADL E/PDPIAS	Apple Academic Press, New Jersey, Canada, an independent international publisher, CRC Press
5	Kunal Jain, Chirayu Desai, Onkar Tiwari and Datta Madamwar	Chapter in the Book: Microbial Bioremediation & Biodegradation	Dyes: Effect on the Environment and Biosphere and Their Remediation Constraints (doi:https://doi.org/10.1007/978-981-15-1812-6_3)	NA	NA	International	01 May 2020	978-981-15-1812-6	PDPIAS	Springer Nature Singapore Pte Ltd.

6	KunalJain, JennyJohnson, Neelam Devpura, Rohit Rathour, Chirayu Desai, Onkar Tiwari, Datta Madamwar	Chapter in the Book: Emerging Technologies in Environmental Bioremediation	Emerging bioremediati on technologies for the treatment of wastewater containing synthetic organic compounds (DOI: https://doi.org/10.1016/B978-0-12-819860-5.00005-5)	NA	NA	Internation al	01 May 2020	978-0- 12- 819860-5	PDPIAS	Elsevier
7	Ravi K Singh, Krishnamachari A, Murali Sharaff	Plant Small RNA:Biogenesis, Regulation and Application	Challenges of small RNA technology	NA	NA	Internation al	2020	978-0- 12- 817112-7	PDPIAS	Elsevier

8	(WRITER) CE - DIJITKUMAR MAHENDRABHAI PATEL (3145), CHARUSAT; (WRITER) OS - MEHDIHASAN I. SHEKH, COLLEGE OF MATERIALS SCIENCE AND ENGINEERING, SHENZHEN KEY LABORATORY OF POLYMER SCIENCE AND TECHNOLOGY, GUANGDONG RESEARCH CENTER FOR INTERFACIAL ENGINEERING OF FUNCTIONAL MATERIALS, NANSHAN DISTRICT KEY LAB FOR BIOPOLYMERS AND SAFETY	Nanohybrids Future Materials for Biomedical Applications	Application of Biopolymeric Electrospun Nanofibers in Biological Science	Nanohybrid s Future Materials for Biomedical Application s	Nanohybrids Future Materials for Biomedical Applications	Internation al	2020	9781-6449-0107-6	PDPIAS	Materials Research Forum LLC Millersville, PA 17551, USA
---	--	--	--	--	--	----------------	------	------------------	--------	--

<p>EVALUATION, SHENZHEN UNIVERSITY, SHENZHEN 518055, PR CHINA; (WRITER) OS - JHALEH AMIRIAN, 2 KEY LABORATORY OF OPTOELECTRO NIC DEVICES AND SYSTEMS OF MINISTRY OF EDUCATION AND GUANGDONG PROVINCE, COLLEGE OF OPTOELECTRO NIC ENGINEERING, SHENZHEN UNIVERSITY; (WRITER) OS - GISYA ABDI, CENTER OF NEW TECHNOLOGIE</p>									
--	--	--	--	--	--	--	--	--	--

	<p>S, UNIVERSITY OF WARSAW, UL. BANACHA 2C, 02-097 WARSAW; (WRITER) OS - BING DU, COLLEGE OF MATERIALS SCIENCE AND ENGINEERING, SHENZHEN KEY LABORATORY OF POLYMER SCIENCE AND TECHNOLOGY, GUANGDONG RESEARCH CENTER FOR INTERFACIAL ENGINEERING OF FUNCTIONAL MATERIALS, NANSHAN DISTRICT KEY LAB FOR BIOPOLYMERS AND SAFETY EVALUATION, SHENZHEN</p>									
--	--	--	--	--	--	--	--	--	--	--

	UNIVERSITY									
--	------------	--	--	--	--	--	--	--	--	--

2019-20										
Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Kinnari Parekh and R V Upadhyay	book entitled “ Nanomaterials- Based Composites for Energy Applications: Emerging Technology and Trends”	Application of Magnetic Fluid in Energy Sector	NA	NA	International	31- Dec-20	ISBN: 9781771 888066	KRADL E/PDPIAS	Apple Academic Press, New Jersey, Canada, an independent international publisher, CRC Press
2	Sanjay H Panjabi and Ketul N Patel	Title of the book: General Inorganic Chemistry	NA	NA	NA	International	July 2019	978-920-0-29544-6	PDPIAS	Lambert Academic Publishing
3	Sanjay H Panjabi, Bhavin Patel and Mitesh Patel	Title of the book: Some Aspects of Physical Chemistry	NA	NA	NA	International	July 2019	978-620-0-26565-4	PDPIAS	Lambert Academic Publishing
4	Sanjay H Panjabi and Mitesh Patel	Instrumental Practicals of Physical Chemistry	NA	NA	NA	National	2019	978-81-940241-9-4	PDPIAS	Brick academic Publishing
5	Krunal B. Kachhia and Jyotindra C. Prajapati	Mathematical Modelling, Applied Analysis and Computation	Introduction to class of uniformly fractional differentiable	NA	NA	International	01-09-2019	978-981-13-9607-6	PDPIAS	Springer, Singapore

			e functions							
6	Kikani BA, Patel P	Book: BIOETHANOL PRODUCTION: BACTERIA VERSUS YEASTS	NA	NA	NA	International	Nov. 2019	ISBN: 978-620-2-07557-2	PDPIAS	Lambert Academic publishing
7	Kikani BA, Dosani A	Book: Diversity of haloalkaliphilic bacteria from the Gulf of Khambhat	NA	NA	NA	International	Sept 2019	ISBN: 978-613-9-91359-6	PDPIAS	Lambert Academic publishing
8	Kikani BA, Donda P.	Book: Characterization of Bifenthrin Degrading Bacteria from Cotton field	NA	NA	NA	International	Oct 2019	ISBN: 978-3346028983	PDPIAS	Lambert Academic publishing
9	Mitesh Patel, Vaibhav Patel, Tapas Chaudhuri	Book: Preparation and Characterization of PbS/Polymer Nanocomposites	NA	NA	NA	International	2019	ISBN: 978-620-0-21841-4	PDPIAS	Lambert Academic publishing
10	Mitesh Patel, Sanjay Panjabi, Vaibhav Patel	Book: Instrumentation Technique used for Nanomaterial Characterization	NA	NA	NA	International	2019	ISBN: 978-620-0-21841-4	PDPIAS	Lambert Academic publishing
11	Mitesh Patel	Book: Preparation and Characterization of Inorganic Polymer Blend Nanocomposites	NA	NA	NA	National	2019	ISBN: 978-93-5373-156-4	PDPIAS	Educreation Publishing
12	Kunal Jain, Chirayu Desai, Onkar Tiwari and	Chapter in the Book: Microbial Bioremediation &	Dyes: Effect on the Environmen	NA	NA	International	01 May 2020	978-981-15-1812-6	PDPIAS	Springer Nature Singapore

	Datta Madamwar	Biodegradation	t and Biosphere and Their Remediation Constraints (doi:https://doi.org/10.1007/978-981-15-1812-6_3)							Pte Ltd.
13	KunalJain, JennyJohnson, Neelam Devpura, Rohit Rathour, Chirayu Desai, Onkar Tiwari, Datta Madamwar	Chapter in the Book: Emerging Technologies in Environmental Bioremediation	Emerging bioremediation technologies for the treatment of wastewater containing synthetic organic compounds (DOI:https://doi.org/10.1016/B978-0-12-819860-5.00005-5)	NA	NA	International	01 May 2020	978-0-12-819860-5	PDPIAS	Elsevier
14	Ravi K Singh, Krishnamachari A, Murali Sharaff	Plant Small RNA:Biogenesis, Regulation and Application	Challenges of small RNA technology	NA	NA	International	2020	978-0-12-817112-7	PDPIAS	Elsevier

15	Vanaraj Solanki, Abhay dasadia and Pramita Mishra,	Book: Atomic force microscopy fundamentals and applications	NA	NA	NA	International		ISBN: 978-620-0-24724-7	KRADLE	Lambert Academic publishing
16	Vanaraj Solanki, Abhay dasadia and Pramita Mishra,	Experimental Techniques for Material Characterization-part-1	NA	NA	NA	International		ISBN:978-620-0-25440-5	KRADLE	Lambert Academic publishing
17	Abhay dasadia, Vanaraj Solanki and Brinda Nariya	Structural Determination of Transition Metal Chalcogenides	NA	NA	NA	International		ISBN:978-620-0-26714-6	KRADLE	Lambert Academic publishing
18	Abhay dasadia, and Vanaraj Solanki	Growth and Characterizations of Transition Metal Trichalcogenides	NA	NA	NA	International		ISBN:978-620-0-23747-7	KRADLE	Lambert Academic publishing
19	Vanaraj Solanki, Pramita Mishra, and Ruchita patel	Vacuum Technology, Fundamentals for beginners	NA	NA	NA	National		ISBN 978-93-5373-146-5	KRADLE	Educreation Publishing
20	Dweipayan Goswami, Janki N Thakker and Pinakin Dhandhukia	Book Microbial Catalysts	Chapter 3 Urease producing microbes to aid Bio-calcification : An Interdisciplinary Approach	NA	NA	International		9781-53616-089-5	PDPIAS	Nova Science Publisher USA

21	Dweipayan Goswami, Pinakin Dhandhukia and Janki N Thakker	Book Microbial Catalysts	Chapter 8: Microbial Enzymes: The Types and Roles in the Bio-Control of Fungal Phytopathogens	NA	NA	International		978-1-53616-0888-8	PDPIAS	Nova Science Publisher
2018-19										
Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Rohit Rathour, Vidhi Kalola, Jenny Johnson, Kunal Jain, Datta Madamwar, Chirayu Desai	Book: Microbial Electrochemical Technology Sustainable Platform for Fuels, Chemicals and Remediation Biomass, Biofuels and Biochemicals 2019, Pages 665-692	Chapter 4.4 - Treatment of Various Types of Wastewaters Using Microbial Fuel Cell Systems.	NA	NA	https://www.scopus.com/sourceid/21100283722	1-Oct-18	978-0-444-64052-9	PDPIAS	Elsevier BV
2	Prachi Singh, Kunal Jain, Chirayu Desai, Onkar Tiwari,	Book: Microbial Diversity in the Genomic Era 2019, Pages 323-332	Chapter 18 - Microbial Community Dynamics	NA	NA	https://www.scopus.com/sourceid/2110025	1-Sep-18	9780-1281-4849-5	PDPIAS	Elsevier BV

	Datta Madamwar		of Extremophiles/Extreme Environment			8853				
3	Abhinandan S. Patil, Viralkumar B. Mandaliya, Kirankumar G. Patel and S.A. Patil	Book :Green Biotechnology, Astral International	Chapter 6:Role of Transcriptomics, Proteomics, and Metabolomics in Linking Genome and Phenome; Importance of Understanding the Phenotypes for Exploiting the Outcome of Genomic Technologies-Knockout Mutant Studies and High Throughput			https://www.scopus.com/sourceid/4200151509	2019		PDPIAS	

2017-18										
Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Krunal B. Kachhia, Praveen Agarwal and Jyotindra C. Prajapati	Advances in Real and Complex Analysis with Applications. Trends in Mathematics	Certain Image Formulae and Fractional Kinetic Equations Involving Extended Hypergeometric Functions	NA	NA	International	2018	978-981-10-4336-9	PDPIAS	Birkhäuser, Singapore
2	Jain K, Desai C, Madamwar D	Handbook of Metal-Microbe Interactions and Bioremediation, CRC Press, Taylor & Francis Group	Bacterial interactions with chromium and strategies for remediation of hexavalent chromium pollution	NA	NA	International	2017	9.78E+12	PDPIAS	Taylor & Francis Group

3	Dr. Sanjay H Panjabi, Dr. Bhavin Patel, Dr. Arvnabh Mishra	Brick Publication	Experiments in Physical Chemistry	NA	NA	National	2017	978-81-933907-9-5	PDPIAS	Brick Publication
4	Dhonde BN, Panchal VR, Thakker JN	Kalpa Publication	Parametric Study on Eco-Friendly Bricks	Kalpa Publications in Civil Engineering ICRISSET 2017	NA	National	2017		PDPIAS	Kalpa Publication
2016-17										
Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Patel K, Goswami D, Dhandhukai P and Thakker JN	Book Chapter in Book : Microbes in action " Industrial Microbiology"	Microbial Carotenoids : Properties, Physicochemical factors for fermentation, Biosynthesis and Applications (Chapter 7)	NA	NA	International	9/1/2016	978-1-63484-520-5	PDPIAS	Nova Science, USA
2	Goswami D,	Book chapter in	Book	NA	NA	International	02/04/2	978-3-	PDPIAS	Springer

	Dhandhukia P and Thakker J N	a Book: Bacilli and Agrobiotechnology	chapter entitled Expanding the Horizons for the Use of Paenibacillus Species as PGPR for Sustainable Agriculture			al	017	319-44409-3		
2015-16										
Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Patel K, Goswami D, Dhandhukai P and Thakker JN	Book Chapter in Book : Microbes in action " Industrial Microbiology"	Microbial Carotenoids : Properties, Physicochemical factors for fermentation, Biosynthesis and Applications (Chapter 7)	NA	NA	International	9-1-2016	978-1-63484-520-5	PDPIAS	Nova Science, USA

2	Keyur Patel, Dweipayan Goswami, Pinakin C. Dhandhukia, Janki N. Thakker	Bacterial metabolites in sustainable agrosystem, Sustainable development and biodiversity	Techniques to study microbial phytohormo nes	NA	NA	Internation al	2015	9783- 3192- 4654-3	PDPIAS	Springer Internationa l Publishing Switzerland 2015
3	MANANKUMA R NARESHKUMA R SHAH	NA	Rare decay of $B^0_{(s)}$ \$ and B^0 mesons into dimuon $(\mu^+ \mu^-)$ using relativistic formalism	60th DAE- BRNS Symposium on Nuclear Physics	60th DAE- BRNS Symposium on Nuclear Physics	National	2015	81-8372- 077-3	PDPIAS	DAE-BRNS
4	P C VINODKUMAR, MANANKUMA R NARESHKUMA R SHAH	NA	Pseudoscala r decay constant of B and Bs mesons using Dirac formalism,	60th DAE- BRNS Symposium on Nuclear Physics	60th DAE- BRNS Symposium on Nuclear Physics	national	2015	8183720 81-2	PDPIAS	DAE-BRNS
5	MANANKUMA R NARESHKUMA R SHAH	NA	Study of strong and weak decay processes of mesons involving heavy avour	60th DAE- BRNS Symposium on Nuclear Physics	60th DAE- BRNS Symposium on Nuclear Physics	national	2015	8183720 81-1	PDPIAS	DAE-BRNS

			quarks,							
--	--	--	---------	--	--	--	--	--	--	--