



**Sardar Patel University
Vallabh Vidyanagar**

Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students (2016-2021)

Sr. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Nature of the activity
1	A novel cyclodextrin glucanotransferase from an alkaliphile Microbacterium terrae KNR 9: purification and	Department of Microbiology and Biotechnology, University School of Sciences, Gujarat University, Navrangpura,	Rajput K.N., Patel K.C., Trivedi U.B.	Joint Publication
2	Detection of criminally convicted email users by behavioral dissimilarity	Department of Computer Sciences, ALMAAREFA Colleges of Science and Technology (MCST), Riyadh,	Mahmud M., Pathak P., Pathak V., Afridi Z.	Joint Publication
3	ZnO/CdS bi-layer nanostructures photoelectrode for dye-sensitized solar cells	Physics Research Lab, Shri V. S. Naik Arts, Commerce and Science College, Raver,	Dalal P.V., Deshpande M.P., Solanki B.G., Soni S.S.	Joint Publication
4	Characterization and antioxidant functions of mycosporine-like amino acids in the cyanobacterium Nostoc sp. R76DM	Laboratory of Cyanobacterial Biotechnology, Department of Biochemistry, Faculty of Science, Chulalongkorn University, Bangkok, 10330,	Rastogi R.P., Sonani R.R., Madamwar D., Incharoensakdi A.	Joint Publication
5	Microaerophilic Symmetric Reductive Cleavage of Reactive Azo Dye Remazole Brilliant Violet 5R by Consortium VIE6: Community Synergism	Bioengineering and Environmental Centre (BEEC), CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad, 500 007,	Shah B., Jain K., Jiyani H., Mohan V., Madamwar D.	Joint Publication
6	Treatment of Common Effluent Treatment Plant Wastewater in a Sequential Anoxic-Oxic Batch Reactor by Developed Bacterial Consortium VN11	Environmental Genomics Division, CSIR-NEERI, Nehru Marg, Nagpur 440020, India	Chattaraj S., Purohit H.J., Sharma A., Jadeja N.B., Madamwar D.	Joint Publication
7	Insight on xylanase from Aspergillus tubingensis FDHN1: Production, high yielding recovery optimization through statistical approach and	Department of Life Sciences, School of Sciences, Gujarat University, Ahmadabad, Gujarat, India	Adhyaru D.N., Bhatt N.S., Modi H.A., Divecha J.	Joint Publication

8	Bacillus species (BT42) isolated from Coffea arabica L. rhizosphere antagonizes Colletotrichum gloeosporioides and Fusarium oxysporum and also exhibits multiple plant	Department of Biology, Faculty of Natural and Computational Sciences, Mettu University, Mettu, Ethiopia	Kejela T., Thakkar V.R., Thakor P.	Joint Publication
9	Response and resilience of soil microbial communities inhabiting in edible oil stress/contamination from	Department of Zoology, University of Delhi, Delhi, India	Patel V., Sharma A., Lal R., Al-Dhabi N.A., Madamwar D.	Joint Publication
10	In vitro - In vivo metabolism and pharmacokinetics of picoside i and II using LC-ESI-MS method	Department of Natural Products, National Institute of Pharmaceutical Education and Research (NIPER)- Ahmedabad, S. G. Highway,	Upadhyay D., Anandjiwala S., Padh H., Nivsarkar M.	Joint Publication
11	Analysis of community structure and species richness of protozoa-enriched rumen metagenome from Indian Surti by shotgun sequencing	Department of Animal Biotechnology, College of Veterinary Science and Animal Husbandry, Anand Agricultural University,	Shah R.K., Patel A.K., Shah T.M., Singh K.M., Nathani N.M., Joshi C.G.	Joint Publication
12	Development of a cerium-doped lanthanum bromide gamma-ray spectrometer for planetary missions and feasibility studies for determination of elemental abundances of radioactive elements (Th, K and U)	Planetary Sciences and Exploration Group, Physical Research Laboratory, Ahmedabad, 380 009, India	Panda D.K., Banerjee D., Goyal S.K., Patel A.R., Shukla A.D.	Joint Publication
13	Beyond just being foot soldiers – osmotin like protein (OLP) and chitinase (Chi11) genes act as sentinels to confront salt, drought, and fungal stress tolerance in tomato	Department of Genetics, Osmania University, Hyderabad, 500 007, India	Kumar S.A., Kumari P.H., Jawahar G., Prashanth S., Suravajhala P., Katam R., Sivan P., Rao K.S., Kirti P.B., Kishor	Joint Publication
14	Non-invasive intranasal delivery of quetiapine fumarate loaded microemulsion for brain targeting: Formulation, physicochemical and	Department of Pharmaceutics, B. V. Patel PERD Centre, Ahmedabad, 380054, India	Shah B., Khunt D., Misra M., Padh H.	Joint Publication

15	Feasibility studies of time-like proton electromagnetic form factors at PANDA at FAIR	Universität Basel, Basel, Switzerland	The PANDA Collaboration, Singh B., Erni W., Krusche B., Steinacher M., Walford N., Liu B., Liu H., Liu Z., Shen X., Wang C., Zhao J., Albrecht M., Erlen T., Fink M., Heinsius F., Held T., Holtmann T., Jasper S., Keshk I., Koch H., Kopf B., Kuhlmann M., KÄmmel M., Leiber S., Mikirtychyants M., Musiol P., Mustafa A., PelizÄus M., Pychy J., Richter M., Schnier C., SchrÄder T., Sowa C., Steinke M., Triffterer T., Wiedner U., Ball M., Beck R., Hammann C., Ketzer B., Kube M., Mahlberg P., Rossbach M., Schmidt C., Schmitz R., Thoma U., Ullrich M., W. W. D.	Joint Publication
16	Excited state mass spectra of singly charmed baryons	Department of Applied Sciences & Humanities, GIDC Degree Engineering College, Abrama, 396406, Indi	Shah Z., Thakkar K., Kumar Rai A., Vinodkumar P.C.	Joint Publication
17	Thermodynamic properties of rhodium at high temperature and pressure by using mean field potential approach	Department of Physics, School of Science, Gujarat University, 380009, Ahmedabad, Gujarat, India	Kumar P., Bhatt N.K., Vyas P.R., Gohel V.B.	Joint Publication
18	Influence of magnetic fluid through a series of flow factors on the performance of a longitudinally rough finite slider	Gujarat University, Ahmedabad, Gujarat 380009, India	Panchal G.C., Patel H.C., Deheri G.M.	Joint Publication
19	Nutritional profile of an underutilized Indian fruit: Rayan [Manilkara hexandra (Roxb.) Dubard]	Department of Biochemistry, College of Agriculture, Anand Agriculture University, Anand, Gujarat 388001, India	Parikh B., Shukla Y.M., Patel V.H.	Joint Publication
20	Exploring bioremediation strategies to enhance the mineralization of textile industrial wastewater through sequential anaerobic-	Post Graduate Department of Microbiology, Biogas Research and Extension Centre, Gujarat Vidyapith, Sadra, Gujarat, 382 320, India	Balasure K., Jain K., Bhatt N., Madamwar D.	Joint Publication

21	"Application of Box-Behnken design for optimization and development of quetiapine fumarate loaded chitosan nanoparticles for brain delivery	Department of Pharmaceutics, B. V. Patel PERD Centre, Ahmedabad, 380054, India	Shah B., Khunt D., Misra M., Padh H.	Joint Publication
22	Probing pH sensitivity of $\hat{I}\pm C$ -phycoerythrin and its natural truncant: A comparative study	Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia (A Central University), Jamia Nagar, New Delhi, 110 025,	Anwer K., Rahman S., Sonani R.R., Khan F.I., Islam A., Madamwar D., Ahmad F., Hassan M.I.	Joint Publication
23	Immunoinformatic Identification of Potential Epitopes Against Shigellosis	Department of Cell and Molecular Biology, B. V. Patel Pharmaceutical Education and Research Development Centre, Ahmedabad, 380054, India	Sharma D., Patel S., Padh H., Desai P.	Joint Publication
24	Intranasal delivery of venlafaxine loaded nanostructured lipid carrier: Risk assessment and QbD based	Department of Pharmaceutics, B. V. Patel PERD Centre, Ahmedabad, 380054, India	Shah B., Khunt D., Bhatt H., Misra M., Padh H.	Joint Publication
25	Ni doped ZnS nanoparticles as photocatalyst: Can mixed phase be optimized for better performance?	Department of Chemistry, Faculty of Science, Maharaja Sayajirao University of Baroda, Vadodara, Gujarat 390	Shah E., Vaghasiya J.V., Soni S.S., Panchal C.J., Suryavanshi P.S., Chavda M., Soni H.P.	Joint Publication
26	Biotechnological advances in Vitex species, and future perspectives	P. O. Box 7, Miki-cho Post Office, Ikenobe 3011-2, Kagawa-ken 761-0799, Japan	Teixeira da Silva J.A., Kher M.M., Nataraj M.	Joint Publication
27	Effect of cyclone Nilofar on mesospheric wave dynamics as inferred from optical nightglow observations from Mount Abu,	Space and Atmospheric Sciences Division, Physical Research Laboratory, Ahmedabad, India	Singh R.P., Pallamraju D.	Joint Publication
28	Formulation of pyridinium based RTIL-in-cyclohexane microemulsions: Investigations on size, conductivity and molecular interactions	Chemistry Division, Bhabha Atomic Research Center (BARC), Mumbai, 400085, India	Bharatiya B., Hassan P.A., Sastry N.V.	Joint Publication
29	Excited State Mass Spectra of $\hat{I}\text{c}$ Baryon	Department of Applied Physics, SVNIT, Surat, Gujarat 395007, India	Shah Z., Thakkar K., Rai A.K., Vinodkumar P.C.	Joint Publication
30	Identification of structural requirements of estrogen receptor modulators using pharmacoinformatics techniques for application to estrogen	Department of Chemical Pathology, Faculty of Health Sciences, University of Pretoria, Private Bag X323, Arcadia, Pretoria, 0007, South	Islam M.A., Patel D.A., Rathod S.G., Chunarkar P., Pillay T.S.	Joint Publication
31	Construction of a new shuttle vector for DNA delivery into mammalian cells using non-invasive Lactococcus lactis	Department of Cell and Molecular Biology, B. V. Patel Pharmaceutical Education and Research Development (PERD) Centre, Ahmedabad,	Yagnik B., Padh H., Desai P.	Joint Publication

32	Influence of m-fluorine substituted phenylene spacer dyes in dye-sensitized solar cells	Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Assam	Raju T.B., Vaghasiya J.V., Afroz M.A., Soni S.S., Iyer P.K.	Joint Publication
33	Crystal structure analysis of C-phycoerythrin from marine cyanobacterium Phormidium sp. A09DM	aProtein Crystallography Section, Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai,	Kumar V., Sonani R.R., Sharma M., Gupta G.D., Madamwar D.	Joint Publication
34	Design, synthesis and DSSC performance of: O -fluorine substituted phenylene spacer sensitizers: Effect of TiO ₂ thickness variation	Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati-, Assam, 781039, India	Bhim Raju T., Vaghasiya J.V., Afroz M.A., Soni S.S., Iyer P.K.	Joint Publication
35	Induced chemistry by scattering of electrons from magnesium oxide	Department of Physical Sciences, Open University, Milton Keynes, MK76AA,	Vinodkumar M., Desai H., Vinodkumar P.C., Mason N.	Joint Publication
36	Spectroscopy and flavor changing decays of B, Bs mesons in a Dirac formalism	P. D. Patel Institute of Applied Sciences, Charusat, Changa, 388 421, India	Shah M., Patel B., Vinodkumar P.C.	Joint Publication
37	Sandalwood: basic biology, tissue culture, and genetic transformation	P. O. Box 7, Miki-cho Post Office, 3011-2, Ikenobe, Kagawa-ken 761-0799, Japan	Teixeira da Silva J.A., Kher M.M., Soner D., Page T., Zhang X., Nataraj M., Ma G.	Joint Publication
38	Measurement of multinucleon transfer cross-sections in ⁵⁸ Ni, ⁵⁶ Fe(12C, x); X: ¹³ C, ¹¹ C, ¹⁰ B, ¹⁰ B, ⁹ Be, ⁸ Be, ⁸ Be, ⁷ Li at E(12C) = 60 MeV	Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India	Roy B.J., Parmar A., Nandi T., Mohanty B., Oswal M., Kumar S., Jhingan A., Jha V., Biswas D.C.	Joint Publication
39	Detection of heat wave using Kalpana-1 VHRR land surface temperature product over India	Space Application Center, ISRO, Ahmedabad, India	Shah D., Pandya M.R., Pathak V.N., Darji N.P., Trivedi H.J.	Joint Publication
40	Discrete frailty models	Faculty of Business Administration, Dharmsinh Desai University, Nadiad,	Parekh S.G., Patel S.R., Ghosh D.K., Raykundaliya D.P.	Joint Publication
41	Crystal structure analysis of phycocyanin from chromatically adapted: Phormidium rubidum A09DM	Protein Crystallography Section, Solid State Physics Division, Bhabha Atomic Research Centre (BARC), Mumbai, 400085, India	Gupta G.D., Sonani R.R., Sharma M., Patel K., Rastogi R.P., Madamwar D., Kumar V.	Joint Publication
42	Microstructural morphologies of CTAB micelles modulated by aromatic acids	Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India	Padsala S., Dharaiya N., Sastry N.V., Aswal V.K., Bahadur P.	Joint Publication
43	Folksonomy-based information retrieval by generating tag cloud for electronic resources management industries and suggestive mechanism for tagging using data mining	Sardar Vallabhshai Patel Institute of Technology (SVIT), India	Pandya S.D., Virparia P.V.	Joint Publication

44	Experiences of women with super cyclone in coastal Odisha	Ravenshaw University, Odisha, India	Swain M., Swain M., Sahoo R.H.	Joint Publication
45	Genotypic identification of methicillin resistance and virulence factors in Staphylococcus spp. from bovine mastitis milk	Department of Animal Biotechnology, College of Veterinary Science and A. H., Anand Agricultural University, Anand, Gujarat 388001, India	Patel K., Joshi C., Nauriyal D., Kunjadiya A.	Joint Publication
46	SULT1A1 copy number variation: ethnic distribution analysis in an Indian population	Department of Cell and Molecular Biology, B. V. Patel Pharmaceutical Education and Research Development (PERD) Centre, Ahmedabad, Gujarat, India	Almal S., Padh H.	Joint Publication
47	Cryopreservation of grapevine (Vitis spp.) – a review	State Key Laboratory of Crop Stress Biology in Arid Region, College of Horticulture, Northwest Agriculture & Forestry University, Yangling,	Bi W.-L., Pan C., Hao X.-Y., Cui Z.-H., Kher M.M., Markovič Z., Wang Q.-C., Teixeira da Silva J.A.	Joint Publication
48	Human milk microbiome in urban and rural populations of India	Department of Animal Biotechnology, College of Veterinary Science and Animal Husbandry, Anand Agricultural University,	Vaidya Y.H., Patel S.H., Patel R.J., Pandit R.J., Joshi C.G., Kunjadia A.P.	Joint Publication
49	In vitro propagation of African violet: A review	Miki-cho Post Office, P. O. Box 7, Ikenobe 3011-2, Kagawa-ken 761-0799, Japan	Teixeira da Silva J.A., Zeng S., Wicaksono A., Kher M.M., Kim H., Hosokawa M., Dewir Y.H.	Joint Publication
50	Metabolic potential and taxonomic assessment of bacterial community of an environment to chronic industrial discharge	Department of Animal Biotechnology, College of Veterinary Science and Animal Husbandry, Anand Agricultural University, Anand, Gujarat 388 001, India	Devpura N., Jain K., Patel A., Joshi C.G., Madamwar D.	Joint Publication
51	Electronic and optical response of Cr-doped MoSe ₂ and WSe ₂ : Compton measurements and first-principles strategies	Department of Physics, University College of Science, Mohanlal Sukhadia University, Udaipur, Rajasthan 313001,	Kumar K., Heda N.L., Jani A.R., Ahuja B.L.	Joint Publication
52	Studies on poly(ester-urea-imide)s containing epoxy segment	Central Institute of Plastics Engineering & Technology (CIPET), TVK Industrial Estate, Guindy, Chennai,	Patel J.C., Nayak S.K., Patel H.S.	Joint Publication
53	Deposition of silicon carbide interface coating on carbon fibre by PECVD for advanced	Department of Chemistry, CMR Institute of Technology, Bangalore, Karnataka 560037,	Pillai R., Batra N., Manocha L.M., Machinewala N.	Joint Publication

54	Metagenomic approach to study the bacterial community in clinical and subclinical mastitis in buffalo	Department of Pharmaceutical Sciences, Saurashtra University, Rajkot, Gujarat 360005, India	Patel R.J., Pandit R.J., Bhatt V.D., Kunjadia P.D., Nauriyal D.S., Koringa P.G., Joshi C.G., Kunjadia A.P.	Joint Publication
55	Agent based system for collaborative learning environment in an educational	Department of Computer Science, SRIMCA, Uka Tarsadia University, Bardoli,	Vaidya N.M., Sajja P.S.	Joint Publication
56	Improving content sequencing of packaged content through feedback and priority	Faculty of Computer Applications, GLS-ICT, Ahmedabad, India	Roman J., Mehta D., Sajja P.	Joint Publication
57	Study of chemical vapour transport (CVT) grown WSe _{1.93} single crystals	Department of Applied Physics, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat	Tailor J.P., Trivedi D.S., Chaki S.H., Chaudhary M.D., Deshpande M.P.	Joint Publication
58	Electron scattering and ionization of H ₂ O; OH, H ₂ O ₂ , HO ₂ radicals and (H ₂ O) ₂ dimer	Department of Physical Sciences, The Open University, Milton Keynes, MK7 6AA, United Kingdom	Joshi K.N., Pandya S.H., Mason N.J.	Joint Publication
59	Layer-engineered I-V characteristics of p-Si/WS ₂ Van der Waals Heterostructure diode	Department of Physical Sciences, P.D. Patel Institute of Applied Sciences, Charusat, Changa-388 421, India	Kapitel S., Sumesh C.K., Pataniya P., Solanki G.K., Patel K.D.	Joint Publication
60	RNA-Seq reveals the molecular mechanism of trapping and killing of root-knot nematodes by nematode-trapping fungi	Department of Animal Biotechnology, College of Veterinary Science and A.H., Anand Agricultural University, Anand, Gujarat 388 001, India	Pandit R., Patel R., Patel N., Bhatt V., Joshi C., Singh P.K., Kunjadia A.	Joint Publication
61	Identification of single nucleotide polymorphism from Indian Bubalus bubalis through targeted sequence capture	Roche Diagnostics India Pvt Ltd, Kolkata, 700 107, India	Patel A.B., Subramanian R.B., Padh H., Shah T.M., Mohapatra A., Reddy B., Jakhesara S.J., Koringa P.G., Dash D.,	Joint Publication
62	Characteristics and source apportionment of black carbon aerosols over an urban site	Space and Atmospheric Sciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad -	Rajesh T.A., Ramachandran S.	Joint Publication
63	Effect of surface roughness on characteristics of squeeze film between porous rectangular	Department of Mathematics, L. D. College of Engineering, Ahmedabad, Gujarat, India	Thakkar P.L., Patel H.C., Deheri G.M.	Joint Publication
64	Hydrodynamic squeeze film lubrication between rough parallel plates: Hip-joint representation with modified	Ph.D. Section, Gujarat Technology University, Ahmedabad, Gujarat, India	Jani H.R., Patel H.C., Deheri G.M.	Joint Publication

65	Phycoerythrin averts intracellular ROS generation and physiological functional decline in eukaryotes under oxidative stress	Commission of Atomic and Alternative Energy, Institute of Biology and Technology of Saclay, Gif/Yvette, 91191, France	Sonani R.R., Rastogi R.P., Singh N.K., Thadani J., Patel P.J., Kumar J., Tiwari A.K., Devkar R.V., Madamwar D.	Joint Publication
66	Immunization with r-Lactococcus lactis expressing outer membrane protein A of Shigella dysenteriae type-1: evaluation of oral and intranasal route of administration	Department of Cell and Molecular Biology, B. V. Patel Pharmaceutical Education and Research Development (PERD) Centre, Ahmedabad, Gujarat 380054, India	Yagnik B., Sharma D., Padh H., Desai P.	Joint Publication
67	Genetic profile of PTEN gene in Indian oral squamous cell carcinoma primary tumors	National Institute of Pharmaceuticals Education and Research (NIPER), Ahmedabad, Gujarat, India	Shah S., Jajal D., Mishra G., Kalia K.	Joint Publication
68	Overexpression of a plasma membrane bound Na ⁺ /H ⁺ antiporter-like protein (SbNHXLp) confers salt tolerance and improves fruit yield in tomato by maintaining	Department of Genetics, Osmania University, Hyderabad, India	Kumari P.H., Kumar S.A., Sivan P., Katam R., Suravajhala P., Rao K.S., Varshney R.K., Kishor P.B.K.	Joint Publication
69	Near infrared imaging spectrograph (NIRIS) for ground-based mesospheric OH(6-2) and O ₂ (0-1) intensity and temperature measurements	Space and Atmospheric Sciences Division, Physical Research Laboratory, Ahmedabad, 380 009, India	Singh R.P., Pallamraju D.	Joint Publication
70	Masses of T _{4c} tetra quark state in a relativistic formalism	P. D. Patel Institute of Applied Sciences, CHARUSAT, Changa, 388421, India	Vinodkumar P.C., Bhavsar T., Shah M.	Joint Publication
71	Ionic liquid promoted facile and green synthesis of 1,8-dioxo-octahydroxanthene derivatives under microwave irradiation	Department of Advanced Organic Chemistry, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology (CHARUSAT), Changa,	Dadhania A.N., Patel V.K., Raval D.K.	Joint Publication
72	Mean field potential approach to study thermodynamic properties of bcc iron	Department of Science, Government Polytechnic, Gandhinagar, Gujarat 382024, India	Kumar P., Bhatt N.K., Vyas P.R., Gohel V.B.	Joint Publication
73	Thermodynamics and P-T phase diagram of lanthanum monosulfide	Department of Physics, School of Sciences, Gujarat University, Ahmedabad, Gujarat 380 009, India	Patel A.B., Bhatt N.K., Thakore B.Y., Soyals F., Vyas P.R.	Joint Publication

74	Role of a phenothiazine/phenoxazine donor in solid ionic conductors for efficient solid state dye sensitized solar cells	Institut des Molécules et Matériaux du Mans, Université du Maine, UMR CNRS 6283, Avenue Olivier Messiaen, Le Mans Cedex 9, 72085, France	Vaghasiya J.V., Sonigara K.K., Prasad J., Beuvier T., Gibaud A., Soni S.S.	Joint Publication
75	Hydrodynamic journal bearing lubricated with a ferrofluid	Mechanical Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat, India	Patel N.S., Vakharia D., Deheri G.	Joint Publication
76	Ferrofluid lubrication of a rough porous secant-shaped slider bearing with slip velocity	Department of Mathematical Sciences, P D Patel Institute of Applied Sciences, CHARUSAT, Changa, Anand, Gujarat, 388421, India	Patel J.R., Deheri G.M., Patel S.J.	Joint Publication
77	A Smart Flexible Zinc Battery with Cooling Recovery Ability	Qingdao Industrial Energy Storage Research Institute, Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences, Qingdao, 266101, China	Zhao J., Sonigara K.K., Li J., Zhang J., Chen B., Zhang J., Soni S.S., Zhou X., Cui G., Chen L.	Joint Publication
78	Transfecting CHO-K1 cells: Comparison of CaPO ₄ , electroporation and lipoplex method with in-house prepared polyplex	Department of Cell and Molecular Biology, B. V. Patel Pharmaceutical Education, Research and Development (PERD) Centre, Ahmedabad, 380 054, India	Desai P., Yagnik B., Sharma D., Khan A., Desai N., Padh H.	Joint Publication
79	1,2,4-Triazole and 1,3,4-oxadiazole analogues: Synthesis, MO studies, in silico molecular docking studies, antimalarial as DHFR inhibitor	Advanced Organic Chemistry Department, P.D. Patel Institute of Applied Sciences, CHARUSAT, Changa, Gujarat 388421, India	Thakkar S.S., Thakor P., Doshi H., Ray A.	Joint Publication
80	Experimental performance analysis of ferrofluid based hydrodynamic journal bearing with different combination of	Mechanical Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat	Patel N.S., Vakharia D.P., Deheri G.M., Patel H.C.	Joint Publication
81	Thickness-dependent electrochromic properties of Amorphous tungsten trioxide thin films	BITS Edu Campus, Varnama, Vadodara, Gujarat, India	Patel K.J., Bhatt G.G., Patel S.S., Desai R.R., Ray J.R., Panchal C.J., Suryavanshi P., Kheraj V.A., Opanasyuk A.S.	Joint Publication
82	Shigellosis murine model established by intraperitoneal and intranasal route of administration: a comparative comprehension overview	Department of Cell and Molecular Biology, B.V. Patel Pharmaceutical Education and Research Development (PERD) Centre, Ahmedabad, Gujarat 380054, India	Sharma D., Yagnik B., Baksi R., Desai N., Padh H., Desai P.	Joint Publication

83	Microalgal hydrogen production “ A review	Division of Biology, Faculty of Science and Technology, Rajamangala University of Technology Thanyaburi, Thanyaburi, Pathumthani 12110, Thailand	Khetkorn W., Rastogi R.P., Incharoensakdi A., Lindblad P., Madamwar D., Pandey A., Larroche C.	Joint Publication
84	Pharmacokinetics of phage therapy: a step forward in the treatment of subclinical mastitis in Gir cattle	Saurashtra University, Rajkot Anand Agricultural University, Anand Sardar Patel University, Vallabh	Dr. Vaibhav Bhatt Prof. Devendra S. Nauriyal Dr. Anju Kunjadia	Collaborative Research Project
85	Student Exchange	Gujarat National Law University, Gandhinagar	Jr. MSW & MSW-HR	Student Exchange
86	Student Exchange	Nirmala Niketan , Maharastra	Jr. MSW & MSW-HR	Student Exchange
87	Research Initiation Programme	Space Applications Centre, Ahmedabad	Mr. Jyot A. Kansagara	Student Exchange
88	Research Initiation Programme	Space Applications Centre, Ahmedabad	Mr. Maharshi A. Bhatt	Student Exchange
89	A Study on the Deactivation and Reactivation of a Ni/Al ₂ O ₃ Aldehyde Hydrogenation Catalyst: Effects of Regeneration on the Activity	Catalysis Research Group, School of Chemistry and Physics, University of KwaZulu-Natal, Private Bag X54001, Durban, 4000, South	S.V.L. Mahlaba, Jignesh Valand, A. S. Mahomed, H. B. Friedrich	Joint Publication
90	An improved crystal structure of C-phycoerythrin from the marine cyanobacterium Phormidium sp. A09DM	Institute of Molecular Cell an Systems Biology, University of Glasgow, 120 University Place, Glasgow, G12 8TA, United Kingdom	R. R. Sonani, A. W. Roszak, C. Ortmann de Percin Northumberland, D. Madamwar, and R. J.	Joint Publication
91	Bael tree (<i>Aegle marmelos</i> (L.) Corrêa): Importance, biology, propagation and future	P. O. Box 7, Miki-cho post office, Ikenobe 3011-2, Kagawa-ken, 761-0799, Japan	Vasava D, Kher MM, Soner D, Nataraj M*, Teixeira da Silva JA	Joint Publication
92	Bioproduction and characterization of extracellular melanin-like pigment from industrially polluted metagenomic library equipped	Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, 110 003, India	S. Amin, R. P. Rastogi, R. R. Sonani, A. Ray, R. Sharma, and D. Madamwar	Joint Publication
93	Cellulase-free-thermo-alkali- solvent-stable xylanase ... bio- bleaching potential	Department of Microbiology, Government Science College, Sector-15, Gandhinagar, India	Dharmesh N. Adhyaru, Nikhil S. Bhatt, H.A. Modi, Jyoti Divecha	Joint Publication
94	Cloning, molecular modeling and characterization of acidic cellulase from buffalo rumen and its applicability in saccharification of lignocellulosic biomass	Department of Animal Genetics and Breeding, College of Veterinary Science and Animal Husbandry, Anand Agricultural University, Anand, Gujarat 388110, India	Tripti Dadheech, Ravi Shah, Ramesh Pandit, Ankit Hinsu, Prakram Singh Chauhan, Subhash Jakhesara, Anju Kunjadiya, Dharamshibhai Rank, Chaitanya Joshi	Joint Publication

95	Culture independent assessment of human milk microbial community in lactational mastitis	Department of Animal Biotechnology, College of Veterinary Science and Animal Husbandry, Anand Agricultural University,	Shriram H Patel, Yati H Vaidya, Reena J Patel, Ramesh J Pandit, Chaitanya G Joshi, Anju P Kunjadiya	Joint Publication
96	Design and Synthesis of Heteroleptic Iridium(III) Phosphors for Efficient Organic Light Emitting Devices	Institute for Chemical and Bioengineering, ETH Zurich, Zurich, 8093, Switzerland	Sudhir Kumar, K. R. Surati, Robert Lawrence, Atul C. Vamja, Sergii Yakunin, Maksym V. Kovalenko, Elton J.G. Santos, and Chih-Jen Shih	Joint Publication
97	Determination of Protodioscin in Rabbit Plasma by LC-MS/MS Method: Application to Preclinical Pharmacokinetics	Ramanbhai Patel College of Pharmacy, Charotar University of Science and Technology (CHARUSAT), Ta. Petlad, Dist. Anand, Changa, Gujarat	Ketan Variya, Vijaykumar Parmar, Mili Trivedi, Manan Raval, Nandhibatla Sastry	Joint Publication
98	Dual functional hetero-anthracene based single component organic ionic conductors as redox mediator cum light harvester for solid	Department of Materials Science and Engineering, National University of Singapore, 9 Engineering Drive 1, 117574, Singapore	Jayraj V. Vaghasiya, Keval K. Sonigara, Saurabh S. Soni, Swee Ching Tan	Joint Publication
99	Effect of fluorine substitution and position on phenylene spacer in carbazole based organic sensitizers for dye sensitized solar cells	Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Assam 781039, India	Mohammad Adil Afroz, Keval K. Sonigara, Telugu Bhim Raju, Saurabh S. Soni, Parameswar K. Iyer	Joint Publication
100	Effect of hydrocarbon surfactants on dexamethasone solubilization into silicone surfactant micelles in aqueous media and its release from agar	Chemistry Division, Bhabha Atomic Research Centre (BARC), Trombay, Mumbai, 400 085, India	N. V. Sastry, D. K. Singh, A. D. Thummar, G. Verma, P. A. Hassan	Joint Publication
101	Effect of structural manipulation in hetero-tri-aryl amine donor-based D-A'-pi-A sensitizers in dye-sensitized solar cells	Department of Dyestuff Technology, Institute of Chemical Technology (ICT), Mumbai, Maharashtra, 400 019, India	Dinesh S. Patil, Keval K. Sonigara, Manoj M. Jadhav, Kiran C. avhad, Suryapratap Sharma, Saurabh S. Soni, Nagaiyan Sekar	Joint Publication
102	Enhancement of Security in AODV Routing Protocol Using Node Trust Path Trust Secure AODV (NTPTSAODV) for Mobile Adhoc Network	SEAS, Rai University, Ahmedabad, Gujarat, India	Suchita Patel, Priti Srinivas Sajja And Samrat Khanna	Joint Publication

103	Ethnobotanical database based screening and identification of potential plant species with antiplasmodial activity against chloroquine-sensitive (3D7) strain of <i>Plasmodium</i>	Department of Zoology, Biomedical Technology and Human Genetics, School of Sciences, Gujarat University, Ahmedabad, Gujarat, 380009, India	Noronha M, Guleria S, Jani D, George LB, Highland H, Subramanian RB..	Joint Publication
104	Investigation of morphological and structural properties of V incorporated SnSe ₂ single crystals.	Department of Physics, Faculty of Science, The M.S University of Baroda, Vadodara, Gujarat 390002, India	Chetan K. Zankat, Pratik Pataniya, G.K.Solanki, K.D.Patel, V.M.Pathak, Narayan Som and	Joint Publication
105	Investigation of structural, electrical and optical properties of Sb _x W _{1-x} Se ₂ single crystals	Department of Physics, Faculty of Science, M.S. University of Baroda, Vadodara, 39000, India	Abhishek Patel, Pratik Pataniya, Som Narayan, C.K. Sumesh, V.M. Pathak, G.K. Solanki, K.D. Patel and Prafulla K. Jha	Joint Publication
106	Iodine induced 1-D lamellar self assembly in organic ionic crystals for solid state dye sensitized solar cells	<i>Institut des Molécules et Matériaux du Mans, Université du Maine, UMR CNRS 6283, Avenue Olivier Messiaen 72085, Le Mans,</i>	Jayraj V. Vaghasiya, Keval K. Sonigara, Thomas Beuvier, A. Gibaud, Saurabh S. Soni	Joint Publication
107	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	Department of Organic Chemistry, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, India	ParthThakor Ramalingam Subramanian Sampark S. Thakkar ArabindaRay Vasudev R.Thakkar	Joint Publication
108	PROX reaction of CO in H ₂ /H ₂ O/CO ₂ Water-Gas Shift (WGS) Feedstocks over Cu-Mn/Al ₂ O ₃ and Cu-Ni/Al ₂ O ₃ Catalysts for Fuel Cell	Department of Catalysis and Chemical Reaction Engineering, National Institute of Chemistry, Hajdrihova 19, Ljubljana, 1001, Slovenia	V.D.B.C. Dasireddy, Jignesh Valand, Blaz Likozar	Joint Publication
109	Purification and characterization of novel bi-functional GH3 family β xylosidase/ β glucosidase from <i>Aspergillus</i>	Sardar Patel Renewable Energy Research Institute, P. Box No. 2, Vallabh Vidyanagar, Gujarat, 388120,	Harshvadan Patel, Adepu Kiran Kumar, Amita Shah, .	Joint Publication
110	Santalum molecular biology: molecular markers for genetic diversity, phylogenetics and taxonomy, and genetic transformation.	P. O. Box 7, Miki-cho Post Office 3011-2, Ikenobe, Kagawa-Ken 761-0799, Japan	Teixeira da Silva JA, Kher MM, Soner D, Nataraj M*, Dobránszki J, Millar MA.	Joint Publication
111	Self organization of mixtures of sodium oleate and imidazolium based surface active ionic liquids studied by tensiometry, rheology and neutron scattering	Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India	S. Padsala, N. Dharaiya, D. Ray, V. K. Aswal, N. V. Sastry and P. Bahadur	Joint Publication

112	Site, trigger, quenching mechanism and recovery of non-photochemical quenching in cyanobacteria: recent updates	Institute of Molecular, Cell and System Biology, University of Glasgow, Glasgow, G12 8TA, United Kingdom	R. R. Sonani, A. Gardiner, R. P. Rastogi, R. Cogdell, B. Robert, and D. Madamwar	Joint Publication
113	Structure-efficiency relationship of newly synthesized donor-pi-acceptor coumarins for dye-sensitized solar cells	Department of Dyestuff Technology, Institute of Chemical Technology, N. P. Marg, Matunga, Mumbai, Maharashtra, 400019, India	Manoj M. Jadhav, Jayraj. V. Vaghasiya, Dinesh S. Patil, Saurabh S. Soni, Nagaiyan Sekar	Joint Publication
114	Synthesis, structural and photoluminescence properties of nano-crystalline Cu doped NiO	UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore, 452017, India	Kiran N Patel, M P Deshpande, Krishna Chauhan, Piyush Rajput, Vasant Sathe, Swati Pandya, SH Chaki	Joint Publication
115	The Performance Optimization of Thin-Film Solar Converters Based on n-ZnMgO / p-CuO Heterojunctions	Sumy State University, 2, Rymsky Korsakov Str., Sumy, 40007, Ukraine	O.V. Diachenko, A.S. Opanasyuk, D.I. Kurbatov, P.B. Patel, C.J. Panchal, Priya Suryavanshi, V.A. Kheraj	Joint Publication
116	Thermoelectric properties of the colloidal Bi ₂ S ₃ -based nanocomposites	Sumy State University, 2, Rymsky Korsakov Str., Sumy, 40007, Ukraine	O.A. Dobrozhan, A.S. Opanasyuk, D.I.Kurbatov, U.B.Trivedi, C. J.Panchal and Priya Suryavanshi and V. A.Kheraj	Joint Publication
117	Twisted donor substituted simple thiophene dyes retard the dye aggregation and charge recombination in dye-sensitized solar cells	Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, 781039, India	Telugu Bhim Raju, Jayraj V.Vaghasiya, Mohammad Adil Afroz, Saurabh S.Soni, Parameswar KrishnanIyer	Joint Publication
118	Ferrite: Potential nano-modifier for Rocket Propellants	Department of Chemistry, Krantiguru Shyamji Krishna Verma Kachchh University, Mundra Road, Bhuj, Gujarat 370 001, India	Pragnesh N Dave, Pravin Ram, Shalini Chaturvedi	Joint Publication
119	Reaction temperature dependent shape-controlled studies of copper-oxide nanocrystals	FCIPT, Institute for Plasma Research, Gandhinagar, 382044, India	Shah J., Ranjan M., Gupta S.K., Satyaprasad A., Chaki	Joint Publication
120	Algal Green Energy – R&D and technological perspectives for biodiesel production	Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New	Rajesh P Rastogi, Ashok Pandey, Christian Larroche, Datta Madamwar	Joint Publication

121	Degradation of Chrysenes by Enriched Bacterial Consortium	Veer Narmad South Gujarat University, Surat	Sagar Vaidya, Neelam Devpura, Kunal Jain, Datta Madamwar	Joint Publication
122	Effect of various Metal Salts On Micelles of Amphiphilic Block Copolymers For Energy Storage Applications (CRS-M-290)	Solid State Physics Division, BARC, Trombay, Mumbai	Prof. Saurabh S. Soni Dr. V. K. Aswal	Collaborative Project
123	Colored Fluorescent conducting oligomers/monomers for Dye Sensitized Solar Cells	Institute Of Chemical Technology, Mumbai- 400019	Prof. N. Sekar Dr. S. S. Soni	Collaborative Project
124	Carbon/Ceramic based materials	Kana Advanced Composite Industries	Dr. B.K. Patel Dr. N. M. Batra Dr. J. K. Valand Dr. R. H. Patel	Collaborative Research work
125	Training	Glasscoat Equipments Limited, H-106, GIDC, V.U.Nagar	Nimesh S. Rana Yagnesh Bhatt	Student Exchange
126	Training	P.G. Department of Biosciences, V.V. Nagar	Janhavi Tushar Karlekar Dr.	Student Exchange
127	Training	N. V. Patel college of pure and applied Science V.V. Nagar	Gandhi Vishruti H. Dr. Pratibha Parihar	Student Exchange
128	Study maintenance of blood progenitors using drosophila as a model system	Centre for DNA fingerprinting and diagnostics, Hyderabad.	Ashokkumar Haribhai Vaghela Dr. Bama Charan Mondal	Student Exchange
129	Picosecond excitation energy transfer of allophycocyanin studied in solution and in crystals	Laboratory of Biophysics, Wageningen University, Wageningen, Netherlands	Reza Ranjbar Choubeh, Ravi R Sonani, Datta Madamwar, Paul C Struik, Arjen N Bader, Bruno Robert, Herbert van Amerongen	Joint Publication
130	Phylogenetic and crystallographic analysis of Nostoc phycocyanin having blue-shifted spectral properties	Radiation Biology & Health Sciences Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India	Ravi R Sonani, Rajesh Prasad Rastogi, Stuti Nareshkumar Patel, Mukesh Ghanshyam Chaubey, Niraj Kumar Singh, Gagan D Gupta, Vinay Kumar, Datta Madamwar	Joint Publication
131	Therapeutic potential of cyanobacterial pigment protein phycoerythrin: in silico and in vitro study of BACE1 interaction and in vivo A β reduction	Symbiosis School of Biological Science, Symbiosis International (Deemed University), Lavale, Pune, Maharashtra 412115, India	Mukesh Ghanshyam Chaubey, Stuti Nareshkumar Patel, Rajesh Prasad Rastogi, Prabhakar Lal Srivastava, Arun Kumar Singh, Datta Madamwar, Niraj	Joint Publication

132	Cyanobacterial diversity in mat sample obtained from hypersaline desert, Rann of Kachchh	Ministry of Environment, Forest and Climate Change, Indira Pariyavaran Bhavan, Jor Bagh Road, New Delhi,	Hiral M Patel, Rajesh P Rastogi, Ujjval Trivedi, Datta Madamwar	Joint Publication
133	Crystal structure of phycocyanin from heterocyst-forming filamentous cyanobacterium Nostoc sp. WR13	Institute of Molecular Cell and Systems Biology, University of Glasgow, 120 University Place, Glasgow, G12 8TA, United Kingdom	Hiral M Patel, Aleksander W Roszak, Datta Madamwar, Richard J Cogdell	Joint Publication
134	Red sandalwood (<i>Pterocarpus santalinus</i> L.f.): Biology, importance, propagation and	P. O. Box 7, Miki-cho post office, Ikenobe 3011-2, Kagawa-ken, 761-0799, Japan	JAT da Silva, MMKher, D Sonar and M Nataraj	Joint Publication
135	Bael tree (<i>Aegle marmelose</i> L. Correa): Importance, biology, propagation and future	P. O. Box 7, Miki-cho post office, Ikenobe 3011-2, Kagawa-ken, 761-0799, Japan	D vasava, MM Kher, M Nataraj, JAT da Silva	Joint Publication
136	<i>Santalum</i> molecular biology: Molecular markers for genetic diversity, phylogenetics and taxonomy and genetic	P. O. Box 7, Miki-cho Post Office 3011-2, Ikenobe, Kagawa-Ken 761-0799, Japan	JAT da Silva, MM Kher, D Sonar, M Nataraj, J Dobranszki MA Milar	Joint Publication
137	Anisotropic one-dimensional aqueous polymer gel electrolyte for photoelectrochemical devices: Improvement in hydrophobic TiO ₂ -	Institut des Molécules et Matériaux du Mans, Université du Maine, Le Mans, 72000, France	K. K. Sonigara, J. V. Vaghasiya, H. K. Machhi, J. Prasad, A. Gibaud, S. S. Soni	Joint Publication
138	Low cost and efficient heteroanthracene based small organic hole transporting materials for solid state photoelectrochemical	Department of Dyestuff Technology, Institute of Chemical Technology (ICT), Mumbai, Maharashtra 400019,	J. V. Vaghasiya, K. K. Sonigara, M. H. Patel, V. K. Patel, N. Sekar, S. S. Soni	Joint Publication
139	A smart flexible solid state photovoltaic device with cooling recovery feature	Department of Materials Science and Engineering, National University of Singapore, 9 Engineering drive 1, Singapore, 117574,	K. K. Sonigara, J. V. Vaghasiya, H. K. Machhi, A. Gibaud, S. C. Tan, S. S. Soni	Joint Publication
140	Electrophoretically deposited MoSe ₂ /WSe ₂ heterojunction from ultrasonically exfoliated nanocrystals for enhanced electrochemical photoresponse	Department of Physics, M. S. University of Baroda, Vadodara, Gujarat, 390002, India	A. B. Patel, H. K. Machhi, P. Chauhan, S. Narayan, V. Dixit, S. S. Soni, P. K. Jha, G. K. Solanki, K. D. Patel, V. M. Pathak	Joint Publication
141	Hydroxyl alkyl ammonium ionic liquid assisted green and one-pot regioselective access to functionalized pyrazolodihydropyridine core and their pharmacological	BioLab, Instituto Universitario de Bio-Organica Antonio González, CIBICAN, Universidad de La Laguna, Avda. Astrofisico Francisco Sánchez 2, La Laguna, 38206,	D. M Patel, M. G. Sharma, R. M. Vala, I. Lagunes, A. Puerta, J. M. Padron, D. P. Rajani, H. M. Patel	Joint Publication

142	Anti-proliferative 1,4-dihydropyridine & pyridine derivatives synthesized through a catalyst-free, one-pot multi-component reaction	BioLab, Instituto Universitario de Bio-Orgánica Antonio González, CIBICAN, Universidad de La Laguna, Avda. Astrofísico Francisco Sánchez 2, La Laguna, 38206, Spain	M. G. Sharma, R. M. Vala, D. M. Patel, I. Lagunes, M. X. Fernandes, J. M. Padrón, V. Ramkumar, R. L. Gardas, H. M. Patel	Joint Publication
143	Enhanced photocatalytic efficiency of a least active Ag-TiO ₂ by amine adsorption	UGC-DAE Consortium for Scientific Research (CSR), University Campus, Khandwa Road, Indore, Madhya Pradesh, 452 001, India	S. I. Mogal, D. O. Shah, T. Mukherjee, T. Shripathi, M. P. Mishra	Joint Publication
144	Interaction of salicylic acid analogues with Pluronic® micelles: Investigations on micellar growth and	Department of Chemistry, Jamanaben Narottambhai Motiram Patel Science College, Bharthana (Vesu),	V. Shah, B. Bharatiya, V. Patel, M. K. Mishra, A. D. Shukla, D. O. Shah	Joint Publication
145	Molecular insights into sodium dodecyl sulphate mediated control of size for silver nanoparticles	Center for Surface Science and Engineering, Department of Chemical Engineering, University of Florida, Gainesville, FL 32611, United	V. Shah, B. Bharatiya, M. P. Mishra, D. Ray, D. O. Shah	Joint Publication
146	Preferential oxidation of CO in H ₂ /H ₂ O/CO ₂ water–gas shift feedstocks over Cu-based carbon nanotubes-supported heterogeneous catalysts	Department of Catalysis and Chemical Reaction Engineering, National Institute of Chemistry, Hajdrihova 19, Ljubljana, 1001, Slovenia	V. D. B. C. Dasireddy, B. Likozar, J. Valand	Joint Publication
147	Transition Metal Oxide Supported on Alumina Catalysts: A Comparative Study for the Hydrogenation of Octanal	Catalysis Research Group, School of Chemistry and Physics, University of KwaZulu-Natal, Private Bag X45001, Durban, 4000, South	J. Valand, V.D.B.C. Dasireddy, A. S. Mahomed, H. Friedrich	Joint Publication
148	A Sensitive High-Performance Thin Layer Chromatography Method for Simultaneous Determination of Salbutamol Sulphate and Beclomethasone Dipropionate from Inhalation	Ramanbhai Patel College of Pharmacy, Charotar University of Science and Technology, CHARUSAT Campus, Changa, Ta. Petlad, Dist. Anand, Gujarat 388421, India	N. Patel, V. K. Parmar	Joint Publication
149	Electron impact scattering study on chlorobenzene	Shree M R Arts & Science College, Rajpipla, India	D. Prajapati, H. Yadav, P.C. Vinodkumar, C. Limbachiya, A. Dora, M. Vinodkumar	Joint Publication
150	Structural and electrical properties of Sb _x W _{1-x} Se ₂ (x=0,0.5) ternary alloys	Department of Physics, Faculty of Science, M.S. University of Baroda, Vadodara, 39000, India	Abhishek Patel, Pratik Pataniya, Sharad Babu Pillai, G. K. Solanki, P. K. Jha, K. D. Patel and V. M. Patha Pathak	Joint Publication

151	Structural and optical analysis of Fe doped NiO nanoparticles synthesized by chemical precipitation route	UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore, 452017, India	K. N. Patel, M. P. Deshpande, V. P. Gujarati, S. Pandya, V. Sathe, S. H. Chaki	Joint Publication
152	Reaction temperature dependent shape-controlled studies of copper-oxide nanocrystals.	Advanced Materials Lab, Department of Applied Physics, S.V. National Institute of Technology, Surat, 395007, India	Janki Shah, Mukesh Ranjan, Sanjeev K.Gupta, A. Satyaprasad, Sunil Chaki & Yogesh	Joint Publication
153	Effect of light and heavy rare earth mixing on the properties of Nd _{1-x} Gd _x Co ₂	UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore (MP), 452017, India	S. Pandya, L. S. Sharath Chandra, V. Ganesan	Joint Publication
154	Optimal and/or Efficient Two treatment Crossover Designs for Five Carryover Models	Statistics, Gujarat Commerce College, Ellisbridge, Ahmedabad, Gujarat, India	J. Gondaliya, J. Divecha	Joint Publication
155	The solvatochromism and aggregation-induced enhanced emission of triphenylamine substituted styrene derivatives and its application in dye	Department of Chemistry, Indian Institute of Technology, Guwahati, Assam 781039, India	TB Raju, P Gopikrishna, JV Vaghasiya, SS Soni, PK Iyer	Joint Publication
156	Efficient power generating devices utilizing low intensity indoor lights via non-radiative energy transfer mechanism from organic ionic redox couples	Department of Materials Science and Engineering, National University of Singapore, 9 Engineering Drive 1, 117574, Singapore	Jayraj V Vaghasiya, Keval K Sonigara, Lakshmi Suresh, Majid Panahandeh-Fard, Saurabh S Soni, Swee Ching Tan	Joint Publication
157	Synthesis of novel colorants for DSSC to study effect of alkyl chain length alteration of auxiliary donor on light to current conversion efficiency	Department of Dyestuff Technology, Institute of Chemical Technology, N. P. Marg, Matunga, Mumbai, Maharashtra 400019, India	MM Jadhav, JV Vaghasiya, D Patil, SS Soni, N Sekar	Joint Publication
158	Multi-Dentate Carbazole Based Schiff Base Dyes with Chlorovinylene Group in Spacer for Dye-Sensitized Solar Cells: A Combined Theoretical and Experimental Study.	Department of Dyestuff Technology, Institute of Chemical Technology (ICT), Mumbai, Maharashtra 400 019, India	Prerana K M. Lokhande, Keval K. Sonigara, Manoj M. Jadhav, Dinesh S. Patil, Dr. Saurabh S. Soni, Prof. Nagaiyan Sekar	Joint Publication
159	Effect of donor modification on the photo-physical and photo-voltaic properties of N - alkyl/aryl amine based	Department of Dyestuff Technology, Institute of Chemical Technology, Matunga, Mumbai, 400 019,	M Jadhav, JV Vaghasiya, D Patil, SS Soni, N Sekar	Joint Publication
160	Biphenyl-Amine-Based D- π -A'- π -A Sensitizers for DSSCs: Comparative Photo-Conversion Efficiency in Iodide/triiodide and	Dyestuff Technology Department, Institute of Chemical Technology Nathalal Parekh Marg, Matunga, Mumbai, 400019, India	MM Raikwar, KK Sonigara, DS Patil, H Machhi, SS Soni, N Sekar	Joint Publication

161	Efficient oxidation of benzene catalyzed by Cu(II) tetrazolato complexes under mild conditions	Discipline of Chemistry, School of Basic Sciences, Indian Institute of Technology Indore, Khandwa Road, Simrol, Indore, 453552, India	Kumari J., Mobin S.M., Mukhopadhyay S., Vyas K.M.	Joint Publication
162	The catalytic activity of transition metal oxide nanoparticles on thermal decomposition of ammonium	Department of Chemistry, K S K V Kachchh University, Mundra Road, Bhuj, Gujarat 370 001, India	Vara J.A., Dave P.N., Chaturvedi S.	Joint Publication
163	Microbiological profiles in clinical and subclinical cases of mastitis in milking Jafarabadi buffalo	Department of Animal Biotechnology, College of Veterinary Science and A. H., Anand Agricultural University, Anand, Gujarat 388001, India	Patel R., Kunjadia P., Koringa P., Joshi C., Kunjadiya A.	Joint Publication
164	Index Numbers and Their Applications in Economics	Department of Economics, M.K. Bhavnagar University,	Dr. Devraj Ganvit	Faculty Exchange
165	Public Economics and Economics of Development and	Department of Rural Economics, Gujarat Vidyapith,	Dr. Manjula Laxman	Faculty Exchange
166	Instruments of International Trade	Department of Economics, M.K. Bhavnagar University,	Dr. K. M. Joshi	Faculty Exchange
167	Macroeconomics and Public Economics	Centre for Economics and Planning, Central University of Gujarat, Gandhinagar	Dr. Sarita Agarwal	Faculty Exchange
168	Remote sensing and Satellite imaging	Department Of Agri. Meteorology, BACA,	Patel Manthan P. Rucha Dave	Student Exchange
169	M.Sc. Bioinformatics Dissertation	Department Of Botany, Bioinformatics & Climate Change Impacts Management, Gujarat University,	Mr. Arth Anjariya Ms. Vishakha Patil Dr. Saumya Patel	Student Exchange
170	Student Exchange	Bayview Advisory Services Pvt.Ltd.	Dr.M. Mukundarao Poonam M. Gautam	Student Exchange
171	Student Exchange	Tata Memorial Center Advance Center for Treatment& Education in	Bhargavi V. Bawaskar Dr. Sudeep Gupta	Student Exchange
172	Insilico transcriptome analysis of <i>Andrographis paniculata</i>	N. V. Patel college of pure and applied Science V.V.Nagar	Ruchi Patel Dr. Pratibha Parihar	Student Exchange
173	Direct somatic embryogenesis and shoot regeneration from leaves and internodes of <i>Pluchea lanceolata</i> (DC.) C.B. Clarke	School of Science, GSFC University, P. O. Fertilizernagar, Vadodara, Gujarat 391750, India	Kher M.M., Nataraj M.	Joint Publication
174	Photovoltaic activity of WSe ₂ /Si hetero junction	Department of Physics, Faculty of Science, M.S. University of Baroda, Vadodara, 39000, India	Pataniya P.M., Zankat C.K., Tannarana M., Patel A., Narayan S., Solanki G.K., Patel K.D., Jha P.K., Pathak V.M.	Joint Publication

175	Microaerophilic biodegradation of raw textile effluent by synergistic activity of bacterial community DR4	P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology (CHARUSAT), CHARUSAT Campus, Changa, Gujarat 388 421, India	Rathour R., Jain K., Madamwar D., Desai C.	Joint Publication
176	Graphene oxide supported dicationic ionic liquid: an efficient catalyst for the synthesis of 1-carbamatoalkyl-2-naphthols	P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat 388421, India	Patel N., Katheriya D., Dadhania H., Dadhania A.	Joint Publication
177	Big data analytics model for the education sector	Nirma Institute of Technology, Ahmedabad, India	Shah B.D., Choksi D.B.	Joint Publication
178	Tunable and anisotropic photoresponse of layered Re _{0.2} Sn _{0.8} Se ₂ ternary alloy	Department of Physics, Faculty of Science, The M.S. University of Baroda, Vadodara, 39000, India	Chauhan P., Solanki G.K., Patel A.B., Patel K., Pataniya P., Narayan S., Patel K.D., Jha P.K., Pathak V.M.	Joint Publication
179	Community Synergism: Degradation of Triazine Dye Reactive Black 1 by Mixed Bacterial Cultures KND_PR under Microaerophilic and	Department of Microbiology and Biogas Research Extension Centre, Gujarat Vidyapith, Sadra, Gujarat 382 320, India	Balapure K., Aghera P., Bhatt N., Madamwar D.	Joint Publication
180	Immunolocalization of Î²-(1âˆ“4)-D-galactan, xyloglucans and xylans in the reaction xylem fibres of Leucaena leucocephala (Lam.) de Wit	Department of Botany, The Maharaja Sayajirao of Baroda, Vadodara, Gujarat 390002, India	Pramod S., Rajput K.S., Rao K.S.	Joint Publication
181	Therapeutic potential of cyanobacterial pigment protein phycoerythrin: in silico and in vitro study of BACE1 interaction and in vivo AÎ²	Symbiosis School of Biological Science, Symbiosis International (Deemed University), Lavale, Pune, Maharashtra 412115, India	Chaubey M.G., Patel S.N., Rastogi R.P., Srivastava P.L., Singh A.K., Madamwar D., Singh N.K.	Joint Publication
182	The catalytic activity of transition metal oxide nanoparticles on thermal decomposition of ammonium	Department of Chemistry, K S K V Kachchh University, Mundra Road, Bhuj, Gujarat 370 001, India	Vara J.A., Dave P.N., Chaturvedi S.	Joint Publication
183	Efficient oxidation of benzene catalyzed by Cu(II) tetrazolato complexes under mild conditions	Discipline of Chemistry, School of Basic Sciences, Indian Institute of Technology Indore, Khandwa Road, Simrol, Indore, 453552, India	Kumari J., Mobin S.M., Mukhopadhyay S., Vyas K.M.	Joint Publication
184	Biphenyl-Amine-Based D-Î€-Aâ€™-A Sensitizers for DSSCs: Comparative Photo-Conversion Efficiency in Iodide/triiodide and Cobalt-Based Redox Electrolyte and	Dyestuff Technology Department, Institute of Chemical Technology Nathalal Parekh Marg, Matunga, Mumbai, 400019, India	Raikwar M.M., Sonigara K.K., Patil D.S., Machhi H., Soni S.S., Sekar N.	Joint Publication

185	Aerosol optical properties over Gurushikhar, Mt. Abu: A high altitude mountain site in India	Space and Atmospheric Sciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad,	Rajesh T.A., Ramachandran S.	Joint Publication
186	Growth and application of Sb _{0.5} Mo _{0.5} Se ₂ ternary alloy as photodetector	Department of Physics, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat 39002, India	Dixit V., Chauhan P., Patel A.B., Narayan S., Jha P.K., Solanki G.K., Patel K.D., Pathak	Joint Publication
187	Efficient power generating devices utilizing low intensity indoor lights via non-radiative energy transfer mechanism from organic ionic redox couples	Department of Materials Science and Engineering, National University of Singapore, 9 Engineering Drive 1, 117574, Singapore	Vaghasiya J.V., Sonigara K.K., Suresh L., Panahandeh-Fard M., Soni S.S., Tan S.C.	Joint Publication
188	Paper-Based Flexible Photodetector Functionalized by WSe ₂ Nanodots	Department of Physics, Faculty of Science, M.S. University of Baroda, Vadodara, 39000, India	Pataniya P., Zankat C.K., Tannarana M., Sumesh C.K., Narayan S., Solanki G.K., Patel K.D., Pathak V.M., Jha P.K.	Joint Publication
189	Oral immunization with LacVax [®] OmpA induces protective immune response against Shigella flexneri 2a ATCC 12022 in a murine model	Department of Cell and Molecular Biology, B. V. Patel Pharmaceutical Education and Research Development (PERD) Centre, Ahmedabad, Gujarat, India	Yagnik B., Sharma D., Padh H., Desai P.	Joint Publication
190	Synthesis of novel colorants for DSSC to study effect of alkyl chain length alteration of auxiliary donor on light to current conversion efficiency	Department of Dyestuff Technology, Institute of Chemical Technology, N. P. Marg, Matunga, Mumbai, Maharashtra 400019, India	Jadhav M.M., Vaghasiya J.V., Patil D., Soni S.S., Sekar N.	Joint Publication
191	The solvatochromism and aggregation-induced enhanced emission of triphenylamine substituted styrene derivatives and its application in dye	Department of Chemistry, Indian Institute of Technology, Guwahati, Assam 781039, India	Raju T.B., Gopikrishna P., Vaghasiya J.V., Soni S.S., Iyer P.K.	Joint Publication
192	Multi-Dentate Carbazole Based Schiff Base Dyes with Chlorovinylene Group in Spacer for Dye-Sensitized Solar Cells: A Combined Theoretical and Experimental Study.	Department of Dyestuff Technology, Institute of Chemical Technology (ICT), Mumbai, Maharashtra 400 019, India	Lokhande P.K.M., Sonigara K.K., Jadhav M.M., Patil D.S., Soni S.S., Sekar N.	Joint Publication
193	Draft genome analysis of lignocellulolytic enzymes producing Aspergillus terreus with structural insight of β -glucosidases through molecular docking approach	Department of Animal Genetics and Breeding, College of Veterinary Science and Animal Husbandry, Anand Agricultural University, Anand, Gujarat 388110, India	Dadheech T., Jakhesara S., Chauhan P.S., Pandit R., Hinsu A., Kunjadiya A., Rank D., Joshi C.	Joint Publication

194	Interaction of salicylic acid analogues with Pluronic® micelles: Investigations on micellar growth and	Department of Chemistry, Jamanaben Narottambhai Motiram Patel Science College, Bharthana (Vesu),	Shah V., Bharatiya B., Patel V., Mishra M.K., Shukla A.D., Shah D.O.	Joint Publication
195	Sequencing and analysis of the whole genome of Indian Gujarati male	The Genomics Institute, Ulsan National Institute of Science and Technology (UNIST), Ulsan, 44919, South Korea	Almal S., Jeon S., Agarwal M., Patel S., Patel S., Bhak Y., Jun J., Bhak J., Padh H.	Joint Publication
196	Cultivation of <i>Ascochloris</i> sp. ADW007-enriched microalga in raw dairy wastewater for enhanced biomass and lipid productivity	Department of Ophthalmology, School of Medicine and College of Veterinary Medicine, University of Missouri-Columbia, Columbia,	Kumar A.K., Sharma S., Shah E., Parikh B.S., Patel A., Dixit G., Gupta S., Divecha J.M.	Joint Publication
197	Conduction mechanism in vapour transport grown tellurium rich cadmium telluride crystals	Amity School of Engineering and Technology, Amity University Chhattisgarh, Raipur, Chhattisgarh, India	Roshan M., Patel K.D., Pathak V.M.	Joint Publication
198	A Practical Green Visit to the Functionalized [1,2,4]Triazolo[5,1-b]quinazolin-8(4H)one Scaffolds Using the Group-Assisted Purification (GAP) Chemistry and Their	Microcare Laboratory and Tuberculosis Diagnosis & Research Center, Surat, India	Patel D.M., Vala R.M., Sharma M.G., Rajani D.P., Patel H.M.	Joint Publication
199	Quality by design based method development for simultaneous estimation of montelukast sodium and theophylline in tablet dosage form	Ramanbhai Patel College of Pharmacy, Charotar University of Science and Technology (CHARUSAT), Anand, Gujarat, India	Shah K.A., Parmar V.K.	Joint Publication
200	One-Pot Assembly for Synthesis of 1,4-Dihydropyridine Scaffold and Their Biological Applications	Department of Chemistry, Indian Institute of Technology Madras, Chennai, Tamil Nadu, India	Sharma M.G., Pandya J., Patel D.M., Vala R.M., Ramkumar V., Subramanian R., Gupta V.K., Gardas R.L., Dhanasekaran A., Patel H.M.	Joint Publication
201	Hydrodynamic lubrication of a porous slider: Shuns simplifying assumption of a small porous facing thickness	Department of Mathematics, H. N. G. University Patan, Gujarat State 384 265, India	Adeshara J.V., Prajapati M.B., Deheri G.M., Patel R.M.	Joint Publication
202	A Highly Efficient and Solvent-Free Approach for the Synthesis of Quinolines and Fused Polycyclic Quinolines Catalyzed by Magnetite Nanoparticle-Supported Acidic Ionic Liquid	Department of Chemical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, India	Dadhandia H., Raval D., Dadhandia A.	Joint Publication

203	Numerical modelling of Shliomis model based ferrofluid lubrication performance in rough short bearing	bVishwakarma Government Engineering College, Gujarat Technological University, Ahmedabad, Gujarat, India	Munshi M.M., Patel A.R., Deheri G.	Joint Publication
204	Effect of donor modification on the photo-physical and photo-voltaic properties of N - alkyl/aryl amine based	Department of Dyestuff Technology, Institute of Chemical Technology, Matunga, Mumbai, 400 019,	Jadhav M., Vaghasiya J.V., Patil D., Soni S.S., Sekar N.	Joint Publication
205	Harnessing the N-dopant ratio in carbon quantum dots for enhancing the power conversion efficiency of solar cells	Applied Chemistry Department, Faculty of Technology and Engineering, Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, 390 001, India	Mistry B., Machhi H.K., Vithalani R.S., Patel D.S., Modi C.K., Prajapati M., Surati K.R., Soni S.S., Jha P.K., Kane S.R.	Joint Publication
206	Electron Induced Chemistry of Chlorobenzene	Shree M. R. Arts & Science College, Rajpipla, Gujarat, India	Prajapati D., Yadav H., Vinodkumar M., Vinodkumar P.C., Limbachiya C.	Joint Publication
207	Viscosity variation effect on the magnetic fluid lubrication of a short bearing	Department of Mathematical Sciences, P. D. Patel Institute of Applied Sciences, CHARUSAT, Changa, Anand,	Patel J.R., Deheri G.	Joint Publication
208	On flow of electric current in RL circuit using Hilfer type composite fractional derivative	Charotar University of Science and Technology, Dept. of Mathematics Sciences, PDPIAS, Changa, GJ, India	Kachhia K.B., Prajapati J.C., Pandya K.S., Jadeja R.	Joint Publication
209	Molecular insights into sodium dodecyl sulphate mediated control of size for silver nanoparticles	College of Earth and Environmental Sciences Columbia University, New York, NY 10027, United States	Shah V., Bharatiya B., Mishra M.K., Ray D., Shah D.O.	Joint Publication
210	Lubrication of rough short bearing on Shliomis model by ferrofluid considering viscosity variation effect	Alpha College of Engineering and Technology, Gujarat Technological University, Kalol, Gujarat, 382721, India	Munshi M.M., Patel A.R., Deheri G.M.	Joint Publication
211	Structural and electrical properties of $Sb_xW_{1-x}Se_2$ (0, 0.5) ternary alloys	Department of Physics, Faculty of Science, M.S. University of Baroda, Vadodara, 39000, India	Patel A., Pataniya P., Pillai S.B., Solanki G.K., Jha P.K., Patel K.D., Pathak V.M.	Joint Publication
212	A study of ferrofluid lubrication based rough sine film slider bearing with assorted porous structure	Gujarat Technological University, Alpha College of Engineering and Technology, Kalol, Gujarat 382721, India	Munshi M.M., Patel A.R., Deheri G.B.	Joint Publication
213	Design and development of dithienopyrrolobenzothiadiazole (DTPBT)-based rigid conjugated polymers with improved hole mobilities	Department of Chemical Sciences, Indian Institute of Science Education and Research (IISER) Kolkata, Mohanpur, 741246, India	Bhanvadia, V.J., Machhi, H.K., Soni, S.S., Zade, S.S., Patel, A.L.	Joint Publication

214	Extension of life span and stress tolerance modulated by DAF-16 in <i>Caenorhabditis elegans</i> under the treatment of Moringa	Department of Biotechnology, Shri A. N. Patel PG Institute of Science and Research, Anand, Gujarat 388001, India	Chauhan, A.P., Chaubey, M.G., Patel, S.N., Madamwar, D., Singh, N.K.	Joint Publication
215	Self-powered photodetector based on SnSe ₂ /MoSe ₂ heterostructure	Department of Physical Sciences, P.D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, 388 421, India	Zankat, C.K., Pataniya, P.M., Patel, A., Bhakhar, S.A., Narayan, S., Solanki, G.K., Patel, K.D., Pathak, V.M., Sumesh,	Joint Publication
216	Fe(III)/Bentonite as a Heterogeneous Catalyst for the Synthesis of 3,4-	Department of Chemistry, KSKV Kachchh University, Bhuj, India	Chopda, L.V., Dave, P.N.	Joint Publication
217	Temperature-dependent vibrational properties of DVT grown orthorhombic SnS single crystals and their application as a self-powered photodetector	Department of Physics, Faculty of Science, M. S. University of Baroda, Vadodara, 390002, India	Jethwa, V.P., Patel, K., Som, N., Pathak, V.M., Patel, K.D., Solanki, G.K., Jha, P.K.	Joint Publication
218	Highly-efficient solution-processed deep-red organic light-emitting diodes based on heteroleptic Ir(III) complexes with effective heterocyclic Schiff base as ancillary ligand	Department of Materials Science and Engineering, National Tsing Hua University, Hsinchu, 30013, Taiwan	Prajapati, M.J., Yadav, R.A.K., Swayamprabha, S.S., Dubey, D.K., Solanki, J.D., Jou, J.-H., Surati, K.R.	Joint Publication
219	Correction to: Indian sarsaparilla, <i>Hemidesmus indicus</i> (L.) R. Br. ex Schult: tissue culture studies (Applied Microbiology and Biotechnology, (2020), 104, 15,	School of Science, GSFC University, P. O. Fertilizernagar, Vadodara, Gujarat 391750, India	Kher, M.M., Shekhawat, M.S., Nataraj, M., Teixeira da Silva, J.A.	Joint Publication
220	Degradation and Toxicity Analysis of a Reactive Textile Diazo Dye-Direct Red 81 by Newly Isolated <i>Bacillus</i> sp.	Department of Biotechnology, Shree A. N. Patel PG Institute of Science and Research, Sardar Patel University,	Amin, S., Rastogi, R.P., Chaubey, M.G., Jain, K., Divecha, J., Desai, C., Madamwar, D.	Joint Publication
221	Oxadiazole based Os(IV) compounds as potential DNA intercalator and cytotoxic agents	Department of Cell Biology, Indian Institute of Advanced Research, Gandhinagar, Gujarat 382 007, India	Pursuwani, B.H., Bhatt, B.S., Vaidya, F.U., Pathak, C., Patel, M.N.	Joint Publication
222	Borrowing hydrogen activity of NH ₂ -MIL-125 for N-alkylation of amines with alcohols under solvent and base free condition	Department of Inorganic Materials and Catalysis, Central Salt and Marine Chemicals Research Institute (CSMCRI), Council of Scientific and Industrial Research (CSIR), GB Marg,	Patel, N.B., Vala, N., Shukla, A., Neogi, S., Mishra, M.K.	Joint Publication

223	Humidity Sensor Based on Two-Dimensional SnSe ₂ /MWCNT Nanohybrids for the Online Monitoring of Human Respiration and a Touchless Positioning Interface	Department of Physical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, Gujarat, 388421, India	Tannarana, M., Pataniya, P.M., Bhakhar, S.A., Solanki, G.K., Valand, J., Narayan, S., Patel, K.D., Jha, P.K., Pathak,	Joint Publication
224	Novel variant in NSDHL gene associated with CHILD syndrome and syndactyly- a case report	Human Genetics Unit, Faculty of Medicine, University of Colombo, 25, Kynsey Road, Colombo, 08, Sri Lanka	Hettiarachchi, D., Panchal, H., Lai, P.S., Dissanayake, V.H.W.	Joint Publication
225	Cyanobacterial pigment protein allophycocyanin exhibits longevity and reduces A β -mediated paralysis in <i>C. elegans</i> : complicity of FOXO	Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, New Delhi, 110003, India	Chaubey, M.G., Patel, S.N., Rastogi, R.P., Madamwar, D., Singh, N.K.	Joint Publication
226	Indian sarsaparilla, <i>Hemidesmus indicus</i> (L.) R. Br. ex Schult: tissue culture studies	School of Science, GSFC University, Fertilizernagar, Vadodara, Gujarat 391750,	Kher, M.M., Shekhawat, M.S., Nataraj, M., Teixeira	Joint Publication
227	Contribution in Light Harvesting by Solid Ionic Conductors for Efficient Photoelectrochemical Cells: An Effect of an Identical Donor Molecule in Sensitizers and	Materials Science Laboratory, Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Assam, 781039, India	Vaghasiya, J.V., Sonigara, K.K., Prasad, J., Qureshi, M., Tan, S.C., Soni, S.S.	Joint Publication
228	Low energy electron interactions with Iodine molecule (I ₂)	Department of Applied Physics, The M. S. University of Baroda, Vadodara, India	Yadav, H., Vinodkumar, M., Limbachiya, C., Vinodkumar, P.C.,	Joint Publication
229	Organic Ionic Plastic Crystals as Hole Transporting Layer for Stable and Efficient Perovskite Solar Cells	Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences, Qingdao, 266101 China	Sonigara, K.K., Shao, Z., Prasad, J., Machhi, H.K., Cui, G., Pang, S., Soni, S.S.	Joint Publication
230	Emissions of non-methane volatile organic compounds from a landfill site in a major city of India: impact on local air	Indian Institute of Technology, Gandhinagar Palaj, Gandhinagar, 382355, India	Dave, P.N., Sahu, L.K., Tripathi, N., Bajaj, S., Yadav, R., Patel, K.	Joint Publication
231	Heteropoly-12-tungstophosphoric acid H ₃ [PW ₁₂ O ₄₀] over natural bentonite as a heterogeneous catalyst for the synthesis of 3,4-	Department of Chemistry, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj, Gujarat, India, Vallabh Vidyanagar, India	Chopda, L.V., Dave, P.N.	Joint Publication
232	Revisiting high-resolution crystal structure of Phormidium rubidum phycoeyanin	Institute of Molecular Cell and Systems Biology, University of Glasgow, Glasgow, G12 8QQ, United Kingdom	Sonani, R.R., Roszak, A.W., Liu, H., Gross, M.L., Blankenship, R.E., Madamwar, D., Cogdell, R.J.	Joint Publication

233	Resilience and self-regulation processes of microalgae under UV radiation stress	Department of Biochemistry and Molecular Biology, Institute for Environmental Science and Technology, Saitama University, Saitama,	Rastogi, R.P., Madamwar, D., Nakamoto, H., Incharoensakdi, A.	Joint Publication
234	Recent Advances in Homogeneous and Heterogeneous Catalyst in Biginelli Reaction from 2015-	Department of Chemistry, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj, Gujarat, India	Chopda, L.V., Dave, P.N.	Joint Publication
235	Synthesis and computational study of coumarin thiophene-based D- π -A azo bridge colorants for DSSC and	Dyestuff Technology Department, Institute of Chemical Technology, N. P. Marg, Matunga, Mumbai,	Ayare, N.N., Sharma, S., Sonigara, K.K., Prasad, J., Soni, S.S., Sekar, N.	Joint Publication
236	Transferrable thin film of ultrasonically exfoliated MoSe ₂ nanocrystals for efficient visible-light photodetector	Department of Paramedical Science, Charotar Institute of Paramedical Sciences, Charusat, Changa, 388421, India	Patel, A.B., Chauhan, P., Machhi, H.K., Narayan, S., Sumesh, C.K., Patel, K.D., Soni, S.S., Jha, P.K., Solanki, G.K., Pathak, V.M.	Joint Publication
237	In vitro regeneration competency of Crataeva nurvala (Buch Ham) callus	School of Science, GSFC University, Fertilizernagar, Vadodara, Gujarat 391750,	Kher, M.M., Nataraj, M.	Joint Publication
238	Micellar catalyzed hydroxylation of 1,2,3-trichloro-4,6-dinitrobenzene: Role of cationic head group π - π interaction	Department of Chemical Engineering and Department of Anesthesiology, University of Florida, Gainesville, FL 32608, United States	Ravani, A., Shukla, A., Sastry, N.V., Shah, D.O., Mishra, M.K.	Joint Publication
239	Effect of mono- and di-anchoring dyes based on o,m-difluoro substituted phenylene spacer in liquid and solid state dye sensitized solar cells	Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Assam 781039, India	Raju, T.B., Vaghasiya, J.V., Afroz, M.A., Soni, S.S., Iyer, P.K.	Joint Publication
240	12-Tungstosilicic Acid H ₄ [W ₁₂ Si ₄ O ₄₀] Over Natural Bentonite as a Heterogeneous Catalyst for the Synthesis of 3,4-dihydropyrimidin-2(1H)-Ones	Department of Chemistry, Krantiguru Shyamji Krishna Verma Kachchh, University, Bhuj, Vallabh Vidyanagar, Gujarat, India	V Chopda, L., Dave, P.N.	Joint Publication
241	Arene-ruthenium(II)-phosphine complexes: Green catalysts for hydration of nitriles under mild conditions	Discipline of Chemistry, School of Basic Sciences, Indian Institute of Technology Indore, Khandwa Road, Simrol, Indore, 453552, India	Vyas, K.M., Mandal, P., Singh, R., Mobin, S.M., Mukhopadhyay, S.	Joint Publication
242	Low-Temperature Raman Investigations and Photoresponse of a Detector Based on High-Quality WSe ₂ Crystals	Department of Physical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, 388 421, India	Pataniya, P.M., Tannarana, M., Zankat, C.K., Bhakhar, S.A., Narayan, S., Solanki, G.K., Patel, K.D., Jha, P.K., Pathak, V.M.	Joint Publication

243	Resistive switching memory effects in chalcogenide semiconductor ZnGa ₂ Se ₄ thin	Institute of Nuclear Chemistry and Technology, Warsaw, Poland	Dhamecha, V., Patel, B., Dhruv, D., Nowicki, A.	Joint Publication
244	Gel polymer electrolyte based on PVDF-HFP:PMMA incorporated with propylene carbonate (PC) and diethyl carbonate (DEC) plasticizers : electrical, morphology,	Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat, 388 120, India	Gohel, K., Kanchan, D.K., MacHhi, H.K., Soni, S.S., Maheshwaran, C.	Joint Publication
245	The boundary layer zeta-function and short character sums – Yamamoto	Economy and Finance School Xi'an International Studies University, South WenYuan Road, Xi'an, Shaanxi 710128,	Wang, X., Mehta, J., Kanemitsu, S.	Joint Publication
246	Temperature-dependent vibrational properties of Sb _x Sn _{1-x} Se ₂ (x = 0, 0.1, 0.2 & 0.3) ternary alloys	Department of Physics, Faculty of Science, M.S. University of Baroda, Vadodara, 39000, India	Tannarana, M., Pataniya, P., Solanki, G.K., Bhakhar, S.A., Narayan, S., Patel, K.D., Jha, P.K., Pathak,	Joint Publication
247	Adsorptive abatement of ciprofloxacin using NiFe ₂ O ₄ nanoparticles incorporated into G. ghatti-cl-P(AAm) nanocomposites hydrogel: isotherm, kinetic, and	Department of Chemistry, K S K V Kachchh University, Mundra Road, Bhuj (Kachchh), Gujarat 370 001, India	Gor A.H., Dave P.N.	Joint Publication
248	Around the Lipschitz Summation Formula	Suda Science and Technology Research Institute, Sanmenxia, Henan, 472000, China	Li W., Li H., Mehta J.	Joint Publication
249	Arylidene analogues as selective COX-2 inhibitors: synthesis, characterization, in silico and in vitro studies	Center of Excellence, NFDD Complex, Department of Chemistry, Saurashtra University, Rajkot, Gujarat,	Namera D.L., Thakkar S.S., Thakor P., Bhoya U., Shah A.	Joint Publication
250	Automatic multiclass document classification of hindi poems using machine learning	Sarvajanik College of Engineering Technology, Gujarat, Surat, India	Pal K., Patel B.V.	Joint Publication
251	Characterizing the bacterial consortium ASDF capable of catabolic degradation of fluoranthene and other mono- and poly-aromatic hydrocarbons	P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Charusat Campus, Changa, Anand, Gujarat 388 421, India	Vaidya S.S., Patel A.B., Jain K., Amin S., Madamwar D.	Joint Publication
252	Complete genome sequencing and comparative genome characterization of the lignocellulosic biomass degrading bacterium Pseudomonas stutzeri MP4687	Laboratory of Renewable Resources Engineering and Department of Agricultural and Biological Engineering, Purdue University, West Lafayette, IN 47906, United States	Patel M., Patel H.M., Vohra N., Dave S.	Joint Publication

253	Data Classification with k-fold Cross Validation and Holdout Accuracy Estimation Methods with 5 Different Machine	Sarvajanik College of Engineering Technology, Surat, Gujarat, India	Pal K., Patel B.V.	Joint Publication
254	Design and development of dithienopyrrolobenzothiadiazole (DTPBT)-based rigid conjugated polymers with improved hole mobilities	Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat 390002, India	Bhanvadia V.J., Machhi H.K., Soni S.S., Zade S.S., Patel A.L.	Joint Publication
255	Determination of bioethanol production potential from lignocellulosic biomass using novel Cel-5m isolated from cow rumen metagenome	Department of Biotechnology, Hemchandracharya North Gujarat University, Patan 384265, Gujarat, India	Patel M., Patel H.M., Dave S.	Joint Publication
256	Effect of mono- and di-anchoring dyes based on o,m-difluoro substituted phenylene spacer in liquid and solid state dye sensitized solar cells	Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Assam 781039, India	Raju T.B., Vaghasiya J.V., Afroz M.A., Soni S.S., Iyer P.K.	Joint Publication
257	Effect of Slip Velocity on a Ferrofluid-Based Longitudinally Rough Porous Plane Slider Bearing	Vishwakarma Government Engineering College, Gujarat Technological University, Ahmedabad, Gujarat 382424, India	Munshi M.M., Patel A.R., Deheri G.M.	Joint Publication
258	Emissions of non-methane volatile organic compounds from a landfill site in a major city of India: impact on local air	Physical Research Laboratory, Ahmedabad, 380009, India	Dave P.N., Sahu L.K., Tripathi N., Bajaj S., Yadav R., Patel K.	Joint Publication
259	Emotion classification with reduced feature set sgdc classifier, random forest and performance	Sarvajanik College of Engineering & Technology, Surat, Gujarat, India	Pal K., Patel B.V.	Joint Publication
260	Experimental tribometric characteristics analysis of a ferrofluid based journal bearing system	Mechanical Engineering Department, Dharmsinh Desai University, Nadiad, Gujarat, 387001, India	Patel N.S., Deheri G.M., Patel H.C., Shah K.R., Shukla A.	Joint Publication
261	Extensive and intensive properties of aerosol over distinct environments: Influence of anthropogenic emissions and	Space and Atmospheric Sciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad,	Rajesh T.A., Ramachandran S.	Joint Publication
262	Fe(III)/Bentonite as a Heterogeneous Catalyst for the Synthesis of 3,4-	Department of Chemistry, KSKV Kachchh University, Bhuj, India	Chopda L.V., Dave P.N.	Joint Publication
263	Ferro Fluid Based Squeeze Film in a Longitudinally Rough Surface Bearing of Infinite Width: A Comparative Study	Department of Applied Sciences and Humanity, L.J. Engineering College, Ahmedabad, India	Acharya A.S., Patel R.M., Deheri G.M.	Joint Publication

264	Friction and wear characteristics of robust carbon-carbon composites developed solely from petroleum pitch without	Kana Advanced Composites Industry, POR, Vadodara, Gujarat, 380012, India	Sharma S., Patel B., Patel R.	Joint Publication
265	Global occurrence, chemical properties, and ecological impacts of e-wastes (IUPAC Technical Report)	Department of Natural Sciences, Faculty of Science and Technology, Middlesex University, The Burroughs, London, NW4 4BT, United Kingdom	Purchase D., Abbasi G., Bisschop L., Chatterjee D., Ekberg C., Ermolin M., Fedotov P., Garelick H., Isimekhai K., Kandile N.G., Lundström M., Matharu A., Miller B.W., Pineda A., Popoola O.E., Retegan T., Ruedel H., Serpe A., Sheva Y., Surati K.R., Walsh F., Wilson B.P., Wong M.H.	Joint Publication
266	Heteropoly-12-tungstophosphoric acid H ₃ [PW ₁₂ O ₄₀] over natural bentonite as a heterogeneous catalyst for the synthesis of 3,4-	Department of Chemistry, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj, Gujarat, India, Vallabh Vidyanagar, India	Chopda L.V., Dave P.N.	Joint Publication
267	Investigating Catalytic Properties of Nanoferrites for Both AP and Nano-AP Based	Department of Chemistry, K S K V Kachchh University, Bhuj, India	Vara J.A., Dave P.N., Chaturvedi S.	Joint Publication
268	Load Bearing Capacity for a Ferrofluid Squeeze Film in Double Layered Porous Rough Conical Plates	Department of Applied Sciences and Humanity, Alpha College of Engineering and Technology, Khatraj, Kalol, Gujarat 382721, India	Vashi Y.D., Patel R.M., Deheri G.B.	Joint Publication
269	Magnetite (Fe ₃ O ₄) nanoparticles-supported dodecylbenzenesulfonic acid as a highly efficient and green heterogeneous catalyst for the synthesis of substituted quinolines and 1-amidoalkyl-2-	Department of Chemical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat 388421, India	Katheriya D., Patel N., Dadhania H., Dadhania A.	Joint Publication
270	Model for Classification of Poems in Hindi Language Based on Ras	Sarvajanik College of Engineering and Technology, Surat, Gujarat, India	Pal K., Patel B.V.	Joint Publication
271	Neuringer-roseinweig model based longitudinally rough porous circular stepped plates in the existence of couple stress	Gujarat Technological University, Alpha College of Engineering and Technology, Kalol, Gujarat 382721, India	Vashi Y.D., Patel R.M., Deheri G.B.	Joint Publication

272	New pyrazolyl-dibenzo[b,e][1,4]diazepinones: room temperature one-pot synthesis and biological evaluation	Post-Graduate Department of Physics, University of Jammu, Jammu, Tawi, 180006, India	Brahmbhatt G.C., Sutariya T.R., Atara H.D., Parmar N.J., Gupta V.K., Lagunes I., Padr�n J.M., Murumkar P.R., Yadav M.R.	Joint Publication
273	Novel variant in NSDHL gene associated with CHILD syndrome and syndactyly- a case report	Human Genetics Unit, Faculty of Medicine, University of Colombo, 25, Kynsey Road, Colombo, 08, Sri Lanka	Hettiarachchi D., Panchal H., Lai P.S., Dissanayake V.H.W.	Joint Publication
274	Optimal and/or efficient three treatment crossover designs for five carryover models	Gujarat Commerce College, Gujarat University, Ellisbridge, Ahmedabad, India	Gondaliya J., Divecha J.	Joint Publication
275	Optimization of organic solvent-tolerant lipase production by Acinetobacter sp. UBT1 using deoiled castor seed cake	Aspee Shakilam Biotechnology Institute, Navsari Agricultural University, Athwa Farm, Ghod Dod Road, Surat, Gujarat 395007, India	Patel R., Prajapati V., Trivedi U., Patel K.	Joint Publication
276	Optional analyses of crossover trials having two treatments and a placebo	Gujarat Commerce College, Gujarat University, Ellisbridge, Ahmedabad, Gujarat, 380006, India	Gondaliya J., Divechaa J.	Joint Publication
277	Performance of a Hydromagnetic Squeeze Film Between Longitudinally Rough Conducting Triangular Plates	Department of Humanity and Science, L. J. Institute of Engineering and Technology, Ahmedabad, Gujarat, India	Patel H.P., Deheri G.M., Patel R.M.	Joint Publication
278	Performance of low pressure nanofiltration membrane in forward osmosis using magnesium chloride as draw solute	Department of Chemical Engineering, L. D. College of Engineering, Ahmedabad 380015 and Research Scholar, Gujarat Technological University, Ahmedabad, India	Dutta S., Dave P., Nath K.	Joint Publication
279	Polycyclic Aromatic Hydrocarbons: Sources, Toxicity, and Remediation Approaches	P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Anand, India	Patel A.B., Shaikh S., Jain K.R., Desai C., Madamwar D.	Joint Publication
280	Recent Advances in Homogeneous and Heterogeneous Catalyst in Biginelli Reaction from 2015-	Department of Chemistry, Krantiguru Shyamji Krishna Verma Kachchh University, Bhuj, Gujarat, India	Chopda L.V., Dave P.N.	Joint Publication
281	Resilience and self-regulation processes of microalgae under UV radiation stress	Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, 110	Rastogi R.P., Madamwar D., Nakamoto H., Incharoensakdi A.	Joint Publication
282	Resistive switching memory effects in chalcogenide semiconductor ZnGa ₂ Se ₄ thin	Institute of Nuclear Chemistry and Technology, Warsaw, Poland	Dhamecha V., Patel B., Dhruv D., Nowicki A.	Joint Publication

283	Revisiting high-resolution crystal structure of Phormidium rubidum phycocyanin	Institute of Molecular Cell and Systems Biology, University of Glasgow, Glasgow, G12 8QQ, United Kingdom	Sonani R.R., Roszak A.W., Liu H., Gross M.L., Blankenship R.E., Madamwar D., Cogdell R.J.	Joint Publication
284	Squeeze Film in a Ferrofluid Lubricated Rough Conical Plates: Comparison of Porous	Gujarat Arts and Science College, Ellis Bridge, Ahmedabad, Gujarat 380006,	Patel R.M., Deheri G., Vadher P.A.	Joint Publication
285	Study of Longitudinal Roughness on Hydromagnetic Squeeze Film Between Conducting Rotating Circular	Mathematics Department, H. N. G. U, Patan, Gujarat 384265, India	Adeshara J.V., Prajapati M.B., Deheri G.M., Patel R.M.	Joint Publication
286	Study of Squeeze Film in a Ferrofluid Lubricated Longitudinally Rough Rotating Plates	Humanity and Science Department, L.J. Institute of Engineering and Technology, Ahmedabad, Gujarat, India	Patel H.P., Deheri G.M., Patel R.M.	Joint Publication
287	Superior electrochemical activity of CdSe thin film by chromium substitutional doping	Department of Paramedical Science, Charotar Institute of Paramedical Sciences, CHARUSAT, Changa, 388421, India	Chauhan P., Patel A.B., Narayan S., Prasad J., Sumesh C.K., Solanki G.K., Patel K.D., Soni S.S., Jha P.K., Pathak V.M., Patel V.	Joint Publication
288	Transferrable thin film of ultrasonically exfoliated MoSe ₂ nanocrystals for efficient visible-light photodetector	Department of Paramedical Science, Charotar Institute of Paramedical Sciences, Charusat, Changa, 388421, India	Patel A.B., Chauhan P., Machhi H.K., Narayan S., Sumesh C.K., Patel K.D., Soni S.S., Jha P.K., Solanki G.K., Pathak V.M.	Joint Publication
289	Genome analysis to decipher syntrophy in the bacterial consortium <i>~SCP</i> TM for azo dye degradation	Microbial Culture Collection, National Centre for Microbial Resource, National Centre for Cell Science, Savitribai Phule University of Pune Campus, Pune, India	Nanjani, S., Paul, D., Keharia, H.	Joint Publication
290	Band tailing in tellurium excess CdTe crystals grown from vapour phase	Amity School of Engineering and Technology, Amity University Chhattisgarh, Raipur, 493225, India	Roshan, M., Patel, K.D., Pathak, V.M.	Joint Publication
291	Synthesis and aggregation behaviour of thermo-responsive-b-poly(ionic liquid) diblock copolymers in aqueous solution	Henan Provincial Key Laboratory of Pediatric Hematology, Children's Hospital Affiliated to Zhengzhou University, Henan Children's Hospital, Zhengzhou Children's	Yao, Y., Patel, C., Vekariya, R.L., Yusa, S.-I., Sangani, C.B., Duan, Y., Pillai, S., Patel, H., Kumar, N.S., Khimani, M.	Joint Publication

292	WSe ₂ -PANI nanohybrid structure as efficient electrocatalyst for photo-enhanced hydrogen evolution reaction	Department of Physical Sciences, P.D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, 388421,	Kannichankandy, D., Pataniya, P.M., Sumesh, C.K., Solanki, G.K., Pathak, V.M.	Joint Publication
293	DNA interaction, anticancer, antibacterial, ROS and lipid peroxidation studies of quinoxaline based organometallic Re(I) carbonyls	Department of Cell Biology, School of Biological Sciences and Biotechnology, Indian Institute of Advanced Research, Koba Institutional Area, Gandhinagar-382007,	Varma, R.R., Pandya, J.G., Vaidya, F.U., Pathak, C., Dabhi, R.A., Dhaduk, M.P., Bhatt, B.S., Patel, M.N.	Joint Publication
294	White Rann of Kachchh harbours distinct microbial diversity reflecting its unique biogeography	School of Life Sciences, Faculty of Science, Atmiya University, Yogidham Gurukul, Kalawad Road, Rajkot, Gujarat 360 005, India	Singh, P., Jain, K.R., Shah, V., Madamwar, D.	Joint Publication
295	Synthesis, characterization, and biological studies of in vitro antibacterial, and cytotoxic activities of norfloxacin based square pyramidal copper(II)	Department of Chemistry, Ganpat University, Kherva-Gujarat, 384012, India	Gandhi, D.H., Bhatt, B.S., Bhatt, K.D.	Joint Publication
296	â€™Vâ€™™ Shape Aâ€™™Dâ€™™A-Type Designed Small Hole Conductors for Efficient Indoor and Outdoor Staging from Solid Dye-Sensitized Solar Cells and	Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences, Qingdao, 266101, China	Prasad, J., Shao, Z., Machhi, H.K., Sharma, D.S., Patel, V.K., Pang, S., Cui, G., Soni, S.S.	Joint Publication
297	Eigensolution of the Kleinâ€™™Gordon equation for modified Yukawaâ€™™Kratzer potential and its applications using parametric Nikiforovâ€™™Uvarov and	Sir P T Science College, Modasa, Gujarat 383 315, India	Parmar, R.H., Vinodkumar, P.C.	Joint Publication
298	Peteryoungia gen. nov. with four new species combinations and description of Peteryoungia desertarenae sp. nov., and taxonomic revision of the genus Ciceribacter based on	National Centre for Microbial Resource, National Centre for Cell Science, Pune, Maharashtra 411007, India	Rahi, P., Khairnar, M., Hagir, A., Narayan, A., Jain, K.R., Madamwar, D., Pansare, A., Shouche, Y.	Joint Publication
299	Investigation and fabrication of Cadmium Telluride (CdTe) single crystal as a photodetector	UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore, 452017, India	Valmik, B.G., Deshpande, M.P., Bhatt, S.V., Sathe, V., Bhoi, H.R., Rajput, P., Chaki, S.H.	Joint Publication
300	Ultrasonically Exfoliated Nanocrystal-Based Z-Scheme SnSe ₂ /WSe ₂ Heterojunction for a Superior Electrochemical Photoresponse	Department of Paramedical Science, Charotar Institute of Paramedical Science, CHARUSAT, Changa, 388421, India	Chauhan, P., Patel, A.B., Solanki, G.K., Machhi, H.K., Sumesh, C.K., Soni, S.S., Patel, V., Pathak, V.M.	Joint Publication

301	Magnetically separable heteropolyanion based ionic liquid as a heterogeneous catalyst for ultrasound mediated biodiesel production through esterification of fatty acids	Department of Chemical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, Gujarat 388421, India	Dadhania, H., Raval, D., Dadhania, A.	Joint Publication
302	Measurement of growth in total factor productivity of gram in Rajasthan	ICAR- MPUAT, Udaipur, 313 001, India	Sharma, H., Burark, S.S.	Joint Publication
303	Synthesis and in vitro study of antiproliferative benzyloxy dihydropyrimidinones	BioLab, Instituto Universitario de Bio-Orgánica Antonio González (IUBO-AG), Universidad de La Laguna, La Laguna, Spain	Vala, R.M., Sharma, M.G., Patel, D.M., Puerta, A., PadrÃ³n, J.M., Ramkumar, V., Gardas, R.L., Patel, H.M.	Joint Publication
304	EpiMix Based Novel Vaccine Candidate for Shigella: Evidence of Prophylactic Immunity in Balb/c Mice	Department of Cell and Molecular Biology, B.V. Patel Pharmaceutical Education and Research Development (PERD) Centre, Ahmedabad, Gujarat 380054, India	Padh, H., Yagnik, B., Sharma, D., Desai, P.	Joint Publication
305	Molecular structure investigation, Hirshfeld surface analysis and DNA interaction of cadmium complex of 4-amino-N-(1,3-thiazol-2-yl)benzenesulfonamide monohydrate in the presence of	Department of Physics, Faculty of Education & Science, University of Al-Baydha, Yemen	Dawood Alalawy, M., Patel, U.H., Padariya, T.J., Chaudhary, K.P., Socha, B.N., Chavda, B.R., Bhatt, B.S., Patel, N.J.	Joint Publication
306	Superior electrochemical activity of CdSe thin film by chromium substitutional doping	Department of Paramedical Science, Charotar Institute of Paramedical Sciences, CHARUSAT, Changa, 388421, India	Chauhan, P., Patel, A.B., Narayan, S., Prasad, J., Sumesh, C.K., Solanki, G.K., Patel, K.D., Soni, S.S., Jha, P.K., Pathak, V.M., Patel, V.	Joint Publication
307	Construction and validation of Indian consumer ethnocentrism scale: The ice-scale	S. R. Luthra Institute of Management, India	Joshi, R.N., Joshi, Y.C.	Joint Publication
308	Sonochemical exfoliation, characterization and photoresponse of MoS _{0.5} Se _{1.5} nanosheets	Department of Physical Science, P. D. Patel institute of Applied Sciences, Charotar University of Science and Technology, Changa, 388421, India	Patel, N.F., Bhakhar, S.A., Solanki, G.K., Patel, K.D., Pathak, V.M., Zankat, C.K., Pataniya, P.M., Gohil, J.D., Gupta, S.U.	Joint Publication

309	Performance and biofilm-associated bacterial community dynamics of an upflow fixed-film microaerophilic-aerobic bioreactor system treating raw textile effluent	Department of Biological Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology (CHARUSAT), CHARUSAT Campus, Changa, Gujarat 388 421, India	Rathour, R., Jain, K., Madamwar, D., Desai, C.	Joint Publication
310	In vitro evaluation of cytotoxicity and antimetastatic properties of novel arene ruthenium(II)-tetrazolato compounds on human cancer	Discipline of Chemistry, Indian Institute of Technology Indore, Khandwa Road, Simrol, Indore, 453552, India	Vyas, K.M., Sharma, D., Magani, S.K.J., Mobin, S.M., Mukhopadhyay, S.	Joint Publication
311	DNA interaction, in vivo and in vitro cytotoxicity, reactive oxygen species, lipid peroxidation of μ -N, S donor Re(I) metal complexes	Department of Cell Biology, School of Biological Sciences and Biotechnology, Indian Institute of Advanced Research, Koba Institutional Area, Gandhinagar, Gujarat	Varma, R.R., Pandya, J.G., Sharma, J., Pathak, C., Patel, M.N.	Joint Publication
312	The potential of β and γ -studies with PANDA at FAIR	Università Politecnica delle Marche-Ancona, Ancona, Italy and others	Barucca, G., Davoli, F., Lancioni, G., Mengucci, P., Montalto, L., Natali, P.P., Paone, N., Rinaldi, D., Scalise, L., Erni, W., Krusche, B., Steinacher, M., Walford, N., Cao, N., Liu, Z., Liu, C., Liu, B., Shen, X., Sun, S., Tao, J., Xiong, X.A., Zhao, G., Zhao, J., Albrecht, M., Alkakh, W., Birkelmann, S., Feldbauer, F., Fink, M., Frech, J., Freudenreich, V., Fritsch, M., Hagdorn, R., Heinsius, F.H., Held, T., Holtmann, T., Keshk, I., Koch, H., Kopf, B., Kuhlmann, M., Kummel, M., Künzner, M., Li, J., Mustafa, A., Pelizotti, M., Pichler, B., Pichler, J.	Joint Publication

313	Draft Genome Analysis of <i>Acinetobacter indicus</i> Strain UBT1, an Efficient Lipase and Biosurfactant Producer	Texas A&M Agrilife Research and Extension Center, Texas A&M University System, Vernon, TX, United States	Patel, R.K., Shah, R.K., Prajapati, V.S., Patel, K.C., Trivedi, U.B.	Joint Publication
314	Magnetite (Fe ₃ O ₄) nanoparticles-supported dodecylbenzenesulfonic acid as a highly efficient and green heterogeneous catalyst for the synthesis of substituted quinolines and 1-amidoalkyl-2-	Department of Chemical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat 388421, India	Katheriya, D., Patel, N., Dadhania, H., Dadhania, A.	Joint Publication
315	Intricate agribusiness in potato contract farming in Gujarat: A review	G.H. Patel Post Graduate Institute of Business Management, Sardar Patel University, Vallabh Vidyanagar, Gujarat, 388120,	Panigrahy, S.R., Kalamkar, S.S.	Joint Publication
316	On generalized sequence of functions $B(\hat{I}^{\pm}, \hat{I}^{\prime}, \hat{I}^{\beta}, \hat{I}^{\gamma})_{qn}(x; a, k, s)$	Department of Mathematical Sciences, Faculty of Applied Sciences, Charotar University of Science and Technology (CHARUSAT), Changa, Anand, 388 421, India	Ajudia, N.K., Prajapati, J.C., Mishra, V.N.	Joint Publication
317	Magical bullets from an indigenous Indian medicinal plant <i>Tinospora cordifolia</i> : An in silico approach for the	Charotar Institute of Paramedical Sciences, Charotar University of Science and Technology, Changa,	Thakkar, S.S., Shelat, F., Thakor, P.	Joint Publication
318	Distinct classes of compact stars based on geometrically deduced equations of state	Department of Mathematics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat,	Khunt, A.C., Thomas, V.O., Vinodkumar, P.C.	Joint Publication
319	Flexible piezo-resistive pressure sensor based on conducting PANI on paper substrate	Department of Physical Sciences, P.D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, 388421, India	Kannichankandy, D., Pataniya, P.M., Narayan, S., Patel, V., Sumesh, C.K., Patel, K.D., Solanki, G.K., Pathak, V.M.	Joint Publication
320	Solubilization of polycyclic aromatic hydrocarbons (PAHs) in PEO-PPO-PEO type linear and star block copolymers	Department of Chemistry, Jamanaben Narottambhai Motiram Patel Science College, Bharthana (Vesu), Surat, Gujarat 395017, India	Chakrabarti, C., Khimani, M., Patel, V., Parekh, P., Pillai, S., Mata, J., Vekariya, R.L., Bhadja, P., Muddassir, M.	Joint Publication
321	Fluorescence, DNA Interaction and Cytotoxicity Studies of 4,5-Dihydro-1H-Pyrazol-1-Yl Moiety Based Os(IV) Compounds: Synthesis, Characterization and Biological	Cell Biology Laboratory, Indian Institute of Advanced Research, Koba, Gandhinagar, Gujarat 382421, India	Pursuwani, B.H., Bhatt, B.S., Vaidya, F.U., Pathak, C., Patel, M.N.	Joint Publication

322	Highly sensitive and flexible pressure sensor based on two-dimensional MoSe ₂ nanosheets for online wrist pulse monitoring	Department of Physical Science, P.D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, CHRUSAT, Changa, Gujarat 388421, India	Pataniya, P.M., Bhakhar, S.A., Tannarana, M., Zankat, C., Patel, V., Solanki, G.K., Patel, K.D., Jha, P.K., Late, D.J., Sumesh, C.K.	Joint Publication
323	Importance of confinement in instanton induced potential for bottomonium spectroscopy	P. D. Patel Institute of Applied Sciences, CHARUSAT, Changa, India	Pandya, B., Shah, M., Vinodkumar, P.C.	Joint Publication
324	Balsa wood derived condensed, heteropore-connected 3D carbonâ€‘ sojourn from herbal, non-hazardous stuff to flexible energy-storage device	Henan Provincial Key Laboratory of Children's Genetics & Metabolic Diseases, Children's Hospital Affiliated to Zhengzhou University, Henan Children's Hospital, Zhengzhou Children's Hospital,	Duan, Y., Kashif, M., Dhar, A., Vekariya, R.L., Sangani, C.B., Bhadja, P., Muddassir, M.	Joint Publication
325	Role of phonon anharmonicity and electronic free energy on thermodynamic properties of fcc ytterbium	Department of Physics, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar, Gujarat, 364001,	Satikunvar, D.D., Bhatt, N.K., Thakore, B.Y.	Joint Publication
326	Rhenium substitutional doping for enhanced photoresponse of n-SnSe ₂ /p-Si heterojunction based tunable and high-performance visible-light photodetector	Department of Physical Sciences, P. D. Patel Institute of Applied Science, CHARUSAT Campus, Highway 139, Off. Nadiad-Petlad Road, Changa, Gujarat	Chauhan, P., Patel, A.B., Solanki, G.K., Patel, K.D., Pathak, V.M., Sumesh, C.K., Narayan, S., Jha, P.K.	Joint Publication
327	A study on unsteady flow through porous media : A cubic spline collocation approach	Department of Mathematics, P. L. Chauhan College, Veer Narmad South Gujarat University, Surat, Gujarat	Shah, P., Tandel, P., Prajapati, J.	Joint Publication
328	Benzyllic Csp ³ -H Bond Oxidation on the (111) Facets of Octahedral Cu ₂ O Nanocrystals	Department of Chemistry, Faculty of Science, Maharaja Sayajirao University of Baroda, Gujarat, Vadodara, 390 002, India	Gupta, N., Machhi, H.K., Baraiya, B.A., Soni, S.S., Bedekar, A.V., Jha, P.K., Soni, H.P.	Joint Publication
329	Effect of redox active multivalent metal salts on micellization of amphiphilic block copolymer for energy storage devices via SANS, DLS	Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, Maharashtra 400 085, India	Machhi, H.K., Ray, D., Panjabi, S.H., Aswal, V.K., Soni, S.S.	Joint Publication
330	Psychological contract and work outcomes during COVID-19 pandemic	Post-Doctoral Fellow, ICSSR, New Delhi, India	Karani, A., Trivedi, P., Thanki, H.	Joint Publication

331	Bibliometric Study of SAARC Countries Research Trends in Public Health using Scopus Database	Indian Institute of Public Health, Sardar Patel University, VV Nagar, Gandhinagar, Gujarat, India	Chaudhary, A.S., Mandalia, S.H., Chaudhari, S.P., Parmar, A.B.	Joint Publication
332	Theoretical investigations of structural, spectroscopic and electron collision data of acetone	Department of Applied Physics, The M. S. University of Baroda, Vadodara, India	Prajapati, D., Vinodkumar, P.C., Limbachiya, C., Vinodkumar, M.	Joint Publication
333	Bibliometrics Analysis and Comparison of Global Research Literatures on Research Data Management extracted from Scopus and Web of Science during 2000 - 2019	Information and Library Network (INFLIBNET) Centre, Gandhinagar, Gujarat 382007, India	Pradhan, P., Zala, L.N.	Joint Publication
334	Anatomy and cell wall chemistry of tension wood in hibiscus cannabinus [Anatomía y química de la pared celular de la madera de	Swedish University of Agricultural Sciences, Umea Plant Science Centre, Department of Forest Genetics and Plant Physiology, Umea,	Sivan, P., Rao, K.S., Rajput, K.S.	Joint Publication
335	Tetrazolo[1,5-a]quinoline moiety-based Os(IV) complexes: DNA binding/cleavage, bacteriostatic	Indian Institute of Advanced Research Koba, Gandhinagar, Gujarat, India	Pursuwani, B.H., Bhatt, B.S., Vaidya, F.U., Pathak, C., Patel, M.N.	Joint Publication
336	Mechanistic insight of cell anti-proliferative activity of fluoroquinolone drug-based Cu(II) complexes	Department of Cell Biology, School of Biological Sciences and Biotechnology, Indian Institute of Advanced Research, Koba Institutional Area, Gandhinagar, Gujarat	Gandhi, D.H., Vaidya, F.U., Pathak, C., Patel, T.N., Bhatt, B.S.	Joint Publication
337	Induction of pre-chorismate, jasmonate and salicylate pathways by Burkholderia sp. RR18 in peanut seedlings	Department of Plant Pathology and Ecology, The Connecticut Agricultural Experiment Station, New Haven, CT,	Patel, R.R., Patel, D.D., Bhatt, J., Thakor, P., Triplett, L.R., Thakkar, V.R.	Joint Publication
338	Effect of Exogenously Applied 24-Epibrassinolide and Brassinazole on Xylogenesis and Microdistribution of Cell Wall Polymers in Leucaena	Department of Plant Sciences, Central University of Kerala, Kasaragod, 671316, India	Pramod, S., Anju, M., Rajesh, H., Thulaseedharan, A., Rao, K.S.	Joint Publication
339	EXACT SOLUTION WITH DUST AND SHELL-CROSSINGS FOR LTB INHOMOGENEOUS	Department of Mathematics, Faculty of Education and Sciences-Rada'a, Albaydha University, Albaydha, Yemen	Al-Haysah, A.M., Hasmani, A.H.	Joint Publication

340	Feasibility studies for the measurement of time-like proton electromagnetic form factors from $p \rightarrow \gamma^* \rightarrow \gamma$ at PANDA at FAIR	Università Politecnica delle Marche-Ancona, Ancona, Italy and others	Barucca, G., Davids, F., Lancioni, G., Mengucci, P., Montalto, L., Natali, P.P., Paone, N., Rinaldi, D., Scalise, L., Erni, W., Krusche, B., Steinacher, M., Walford, N., Cao, N., Liu, Z., Liu, C., Liu, B., Shen, X., Sun, S., Tao, J., Xiong, X.A., Zhao, G., Zhao, J., Albrecht, M., Alkakh, W., Barkmann, S., Coen, S., Feldbauer, F., Fink, M., Frech, J., Freudenreich, V., Fritsch, M., Grochowski, J., Hagedorn, R., Heinsius, F.H., Held, T., Holtmann, T., Keshk, I., Koch, H., Kopf, B., Kuhlmann, M., Kummel, M., ...	Joint Publication
341	Therapeutic potential of bioactive compounds from punica granatum extracts against aging and complicity of foxo orthologue daf-16 in caenorhabditis elegans	P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, CHARUSAT campus, Changa, Anand, Gujarat, 388421, India	Chaubey, M.G., Chauhan, A.P., Chokshi, P.R., Amin, R.S., Patel, S.N., Madamwar, D., Rastogi, R.P., Singh,	Joint Publication
342	Highly fluorescent nitrogen-doped graphene quantum dots (N-GQDs) as an efficient nanoprobe for imaging of microbial cells	Applied Chemistry Department, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat,	Jain, R., Vithalani, R., Patel, D., Lad, U., Modi, C.K., Suthar, D., Solanki, J.D., Surati, K.R.	Joint Publication
343	On algebra isomorphisms between p-Banach Beurling algebras	Department of Mathematics, Institute of Infrastructure Technology Research and Management (IITRAM), Gujarat, Ahmedabad, 380026,	Dabhi, P.A., Likhada, D.B.	Joint Publication
344	Unique Stego Key Generation from Fingerprint Image in Image Steganography	L. J. Institute of Computer Applications, L. J. Group of Institutes, Ahmedabad, India	Anuradha, A., Pandit, H.B.	Joint Publication

345	Template-Based Transliteration of Braille Character to Gujarati Text – The Application	Babu Madhav Institute of Information Technology, Uka Tarsadia University, Tarsadi, Surat, Gujarat, India	Vyas, H.A., Virparia, P.V.	Joint Publication
346	The catalytic investigation of nanoferrites on the thermal decomposition behavior of AN-based composite solid	Department of Chemistry, K S K V Kachchh University, Bhuj, India	Vara, J.A., Dave, P.N., Chaturvedi, S.	Joint Publication
347	Cell apoptosis induced by ciprofloxacin based Cu(II) complexes: cytotoxicity, SOD mimic and antibacterial studies	Department of Cell Biology, School of Biological Sciences and Biotechnology, Indian Institute of Advanced Research, Gandhinagar, India	Bhatt, B.S., Gandhi, D.H., Vaidya, F.U., Pathak, C., Patel, T.N.	Joint Publication
348	A Highly Efficient and Solvent-Free Approach for the Synthesis of Quinolines and Fused Polycyclic Quinolines Catalyzed by Magnetite Nanoparticle-Supported Acidic Ionic Liquid	Department of Chemical Sciences, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, Indi	Dadhania, H., Raval, D., Dadhania, A.	Joint Publication
349	Optical Switching Device Based on a Crystalline SnSe ₂ Photodetector in Diverse Conditions	Department of Physics, M. S. University of Baroda, Pratapgunj Gujarat, Vadodara, 390002, India; Planetary Science Division, Physical Research Laboratory, Gujarat, Ahmedabad, 380009, India; Material Design Division, Faculty of Materials Science and Engineering, Warsaw University of Technology, 141	Gupta S.U., Dalvaniya A.G., Patel N.F., Bhakhar S.A., Nair S., Joy J., Patel K.D., Solanki G.K., Pathak V.M., Som N.N., Jha P.K., Panda D.K.	Joint Publication
350	Hierarchically Porous Metal-Organic Gel Hosting Catholyte for Limiting Iodine Diffusion and Self-Discharge Control in Sustainable Aqueous Zinc-	Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, 390 002, India;	Machhi H.K., Sonigara K.K., Bariya S.N., Soni H.P., Soni S.S.	Joint Publication
351	Flexible Self-Powered Electrochemical Photodetector Functionalized by Multilayered Tantalum Diselenide Nanocrystals	Department of Paramedical Science, Charotar Institute of Paramedical Sciences (CHARUSAT), Changa, Gujarat 388421, India; Sophisticated Instrumentation Centre for Applied Research and Testing (SICART), Vallabh Vidyanagar, Gujarat 388120, India; Department of Physics, The M.S. University of Baroda, Vadodara, Gujarat	Chauhan P., Patel A.B., Solanki G.K., Machhi H.K., Soni S.S., Pathak V.M., Patel V., Narayan S., Jha P.K.	Joint Publication

352	Tissue culture of Indian rosewood (<i>Dalbergia latifolia</i> Roxb.)	School of Science, GSFC University, Vadodara, Gujarat 391750, India; Silviculture and Forest Management Division, Institute of Wood Science and Technology, Malleswaram, Bengaluru, Karnataka 560 003, India; Department of Biology, Morgan State University, 1700 E. Cold Spring Lane, Baltimore, MD 21251, United States; Department of Botany, Biotechnology Unit, Kanchi Mamunivar Government Institute for Postgraduate Studies and Research, Puducherry, 605 008, India; Plant Biotechnology & Cytogenetics Division, Institute of Forest Genetics and Tree Breeding, Forest Campus, R.S. Puram, P.B. No. 1061, Coimbatore, 641 002, India; Independent researcher, P. O. Box 7, Miki-cho Post Office,	Kher M.M., Nataraj M., Arun Kumar A.N., Sittther V., Shekhawat M.S., Warriar R.R., Teixeira da Silva J.A.	Joint Publication
353	Genome analysis to decipher syntrophy in the bacterial consortium <i>~SCP~</i> ™ for azo dye degradation	Microbial Culture Collection, National Centre for Microbial Resource, National Centre for Cell Science, Savitribai Phule University of Pune Campus, Pune, India	Nanjani S., Paul D., Keharia H.	Joint Publication
354	A Chitosan-Catalyzed Domino Aldol-Hetero-Diels-Alder Synthesis of Cyclic Heptanoid-Annulated Pyran Scaffolds	P. G. Department of Physics, University of Jammu, Jammu Tawi, 180006, India	Atara H.D., Brahmabhatt G.C., Parmar V.M., Parmar N.J., Gupta V.K.	Joint Publication
355	Social and economic empowerment of women through financial inclusion: empirical evidence from India	Indukaka Inpcowala Institute of Management, Charotar University of Science and Technology, Changa, India; Alliance Business School, Alliance University,	Pal M., Gupta H., Joshi Y.C.	Joint Publication
356	Factors influencing graduate job choice – a systematic literature review	Career Development and Placement Cell, Charotar University of Science and Technology, Changa, India; School of Petroleum Management, Pandit Deendayal Petroleum	Purohit D., Jayswal M., Muduli A.	Joint Publication

357	Mass spectroscopy and strong decays of excited open charm DJ mesons using relativistic	P. D. Patel Institute of Applied Sciences, Charusat, Changa, India	Pandya B., Shah M., Vinodkumar P.C.	Joint Publication
358	Genome assisted probiotic characterization and application of <i>Bacillus velezensis</i> ZBG17 as an alternative to antibiotic growth promoters in broiler chickens	Zytex Biotech Pvt. Ltd., 702/B Polaris, Marol, Andheri (E), Mumbai, Maharashtra 400059, India; ICAR-Directorate of Poultry Research, Rajendranagar, Hyderabad, Telangana 500 030, India	Soni R., Keharia H., Bose A., Pandit N., Doshi J., Rao S.V.R., Paul S.S., Raju M.V.L.N.	Joint Publication
359	Higher dimensional Bianchi type-I string cosmological model in f(R) theory of gravity	Department of Mathematics, Faculty of Education and Sciences-Radaa™, Albaydha University, Albaydha, Yemen	Al-Haysah A.M., Hasmani A.H.	Joint Publication
360	Segal extensions and Segal algebras in uniform Banach algebras	Department of Basic Sciences Institute of Infrastructure Technology Research and Management AhmedabadGujarat 380026,	Bhatt S.J., Dabhi P.A.	Joint Publication
361	Lipophilicity, gas-phase optimized geometry, quantum chemical calculations, Hirshfeld surface analysis, energy frameworks, and molecular docking studies of novel (Z)-2-((3-(4-chlorophenyl)-1-phenyl-1H-pyrazol-4-yl)methylene)-3,4-dihydronaphthalen-1(2H)-one	Department of Chemistry, Saurashtra University, Rajkot, Gujarat, India; College of Computer, Science, and Information Technology, Junagadh, Gujarat, India; Department of Physics, Faculty of Education & Science, University of Al-Baydha, Al-	Dodeja K.K., Bhola Y.O., Socha B.N., Alalawy M.D., Dubey R.P., Pandya S.B., Padariya T.J., Naliapara Y.T.	Joint Publication
362	Synthesis, spectroscopic characterization, computational and biological evaluation of organometallic Re(I) complexes with 5-(2-butyl-5-chloro-1H-imidazol-4-yl)-1,3-diaryl- 4,5-dihydro-1H-pyrazole	Department of Cell Biology, School of Biological Sciences and Biotechnology, Indian Institute of Advanced Research, Koba Institutional Area, Gandhinagar, Gujarat 382007, India; Amity Institute of Biotechnology, Amity University Haryana, Manesar,	Varma R.R., Vaidya F.U., Pathak C., Dhaduk M.P., Dabhi R.A., Bhatt B.S., Patel M.N.	Joint Publication
363	Impact of psychological contract fulfillment on well-being through the mediation of psychological distress: unveiling the evidences from banking sector	MBA, Sardar Patel University, Vallabh Vidyanagar, India; Independent Researcher, India; MBA, GH Patel Post Graduate Institute of Business Management, Vallabh Vidyanagar, India; Post-Doctoral Fellow, ICSSR, New	Karani A.M., Deshpande R.C., Jayswal M.	Joint Publication

364	“If you fulfill your promise, I will be an asset for you”: exploring the relationship between psychological contract fulfillment and individual	Post-Doctoral Fellow, ICSSR, New Delhi, India; MICA, The School of Ideas, Ahmedabad, India; Jagdish Sheth School of Management, Bangalore, India	Karani A., Jayswal M., Panda R., Trivedi P.	Joint Publication
365	Boundaries for the Cartesian product of real function algebras	B.V.M. Engineering College, Vallabh Vidyanagar, 388120,	Mehta H.S., Mehta R.D., Roghelia A.N.	Joint Publication
366	Halogen-free COOH functionalized surface-active ionic liquids: surface activity, aggregation behavior, and antimicrobial activity	Department of Chemical Sciences, P.D. Patel Institute of Applied Sciences, Charusat, Changa, Gujarat, India; Department of Biological Sciences, P.D. Patel Institute of Applied Sciences, Charusat,	Patel N.N., Patel K., Sastry N.V., Patel V.K., Macwan P.M., Sharma D.S., Panjabi S.H.	Joint Publication
367	Effect of Nanosize Zinc Ferrite on Thermolysis of Ammonium Perchlorate	Samarpan Science and Commerce College, Gandhinagar, Gujarat 382028,	Dave P., Thakkar R., Sirach R., Deshpande M.P., Chaturvedi S.	Joint Publication
368	NiCoZn Ferrite: burn rate enhancer for AP/HTPB based propellant and its catalytic study on the decomposition of ammonium perchlorate	High Energy Materials Research Laboratory (HEMRL-DRDO), Pune, Maharashtra, India;	Dave P., Thakkar R., Sirach R., Badgular D.M., Deshpande M.	Joint Publication
369	Metagenomic insights into bacterial communities TM structures in polycyclic aromatic hydrocarbons degrading consortia	P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Charusat Campus, Changa, Anand, Gujarat 388 421, India; Xcelris Labs Ltd., 1st Floor, Sydney House, Old Premchand Nagar Road, Opposite Satyagrah Chhavani, Bodakdev, Ahmedabad,	Patel A.B., Manvar T., Jain K.R., Desai C., Madamwar D.	Joint Publication
370	A study on unsteady flow through porous media : A cubic spline collocation approach	Department of Mathematics, P. L. Chauhan College, Veer Narmad South Gujarat University, Surat, Gujarat 365005, India; Department of Mathematics, Veer Narmad South Gujarat University,	Shah P., Tandel P., Prajapati J.	Joint Publication
371	Enhanced optoelectronics performances of multilayer Sb _{0.1} Mo _{0.9} Se ₂ /SnSe ₂ heterostructure	Department of Physics, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat 390002, India	Dixit V., Nair S., Joy J., Vyas C.U., Narayan S., Jha P.K., Solanki G.K., Pathak V.M.	Joint Publication

372	Facile synthesis of (E)-5-styrylpyrimidines via Wittig reaction using sodium tripolyphosphate in water	Department of Chemistry, Atmiya University, Rajkot, Gujarat, 360005, India; Bhavanâ€™s Shri I. L. Pandya Artsâ€™ Science and Smt. J. M. Shah Commerce College, Dakor, Gujarat, 388255, India; Gujarat Arts and Science College, Ahmedabad, Gujarat, 380006, India; Department of Chemistry, Saurashtra University, Rajkot, Gujarat, 360005, India; Department of Chemistry and Forensic Science, Bhakta Kavi Narsinh Mehta University, Bilkha	Patel A.S., Gandhi S.A., Modh R.D., Patel U.H., Naliapara Y.T., Kapuriya N.P.	Joint Publication
373	Bibliometric Study of SAARC Countries Research Trends in Public Health using Scopus Database	Indian Institute of Public Health, Sardar Patel University, VV Nagar, Gandhinagar, Gujarat, India; I/c. University Librarian & Publication officer, Sardar Patel University, VV Nagar Gujarat, India; Pandit Deendayal Energy University, Dept. of LIS Gujarat University, Aâ€™ bad, Gandhinagar, Gujarat, India;	Chaudhary A.S., Mandalia S.H., Chaudhari S.P., Parmar A.B.	Joint Publication
374	Bibliometrics Analysis and Comparison of Global Research Literatures on Research Data Management extracted from Scopus and Web of Science during 2000 - 2019	Information and Library Network (INFLIBNET) Centre, Gandhinagar, Gujarat 382007, India	Pradhan P., Zala L.N.	Joint Publication
375	Graft Copolymerization of Acrylonitrile onto Sodium Salt of Partially Carboxymethylated Tamarind Kernel Powder Using Ceric Ammonium Nitrate as a Photo-Initiator in an Aqueous Medium Under Ultraviolet-	Troikaa Pharmaceuticals Ltd., Thol-382728, Ahmedabad, Gujarat, India; Department of Chemistry, Faculty of Applied Sciences, Parul University, Limdaâ€™ 391760, Vadodara, Gujarat, India	Trivedi J.H., Joshi H.A., Trivedi H.C.	Joint Publication
376	Synthesis and Characterization of Photo-Graft Copolymers of Sodium Salt of Partially Carboxymethylated Tamarind Kernel Powder	Troikaa Pharmaceuticals Ltd., Thol -382728, Ahmedabad, Gujarat, India; Department of Chemistry, Faculty of Applied Sciences, Parul University, Limda 391760,	Trivedi J.H., Joshi H.A., Trivedi H.C.	Joint Publication

377	Sequencing and comparative genome analysis of three Indians	Former Vice-Chancellor, Sardar Patel University, Vallabh Vidyanagar, Gujarat	Padh H.	Joint Publication
378	Delineation of molecular interactions of plant growth promoting bacteria induced \hat{P}^2 -1,3-glucanases and guanosine triphosphate ligand for antifungal response in rice: a molecular dynamics approach	ICMR-Regional Medical Research Centre, Bhubaneswar, 751023, India; ICAR-Directorate of Floricultural Research, Pune, Maharashtra 411036, India; ICAR- Indian Institute of Vegetable Research, Varanasi, 221305, India; ICAR-National Bureau of Agriculturally Important Microorganisms, Mau, Uttar Pradesh 275103, India; SRM University, Sonapat, Haryana 131029, India; Dayalbagh Educational Institute, Agra, Uttar Pradesh 282005, India; Adichunchunagiri University, Javarana Hally, Karnataka 571448, India; ICAR-Indian Agricultural Statistics Research Institute, New Delhi, 110012, India; Nutrition and Bromatology Group, Department of Analytical and	Jha Y., Dehury B., Kumar S.P.J., Chaurasia A., Singh U.B., Yadav M.K., Angadi U.B., Ranjan R., Tripathy M., Subramanian R.B., Kumar S., Simal-Gandara J.	Joint Publication
379	DNA interaction, anticancer, cytotoxicity and genotoxicity studies with potential pyrazine-bipyrazole dinuclear $\hat{A}\mu$ -oxo bridged Au(III) complexes	Department of Cell Biology, School of Biological Sciences and Biotechnology, Indian Institute of Advanced Research, Koba Institutional Area, Gandhinagar, Gujarat 382007, India; Amity Institute of Biotechnology, Amity University, Manesar, Gurgaon,	Kanthecha D.N., Bhatt B.S., Patel M.N., Vaidya F.U., Pathak C.	Joint Publication
380	Synthesis, characterization, and biological applications of pyrazole moiety bearing osmium(IV) complexes	Amity Institute of Biotechnology, Amity University, Haryana, Gurgaon, India	Pursuwani B.H., Bhatt B.S., Raval D.B., Thakkar V.R., Sharma J., Pathak C., Patel	Joint Publication

381	One-Pot Assembly for Synthesis of 1,4-Dihydropyridine Scaffold and Their Biological Applications	Department of Chemistry, Indian Institute of Technology Madras, Chennai, Tamil Nadu, India; Centre for Biotechnology, Anna University, Chennai, Tamil Nadu, India; Department of Physics and Electronics, University of Jammu, Jammu,	Sharma M.G., Pandya J., Patel D.M., Vala R.M., Ramkumar V., Subramanian R., Gupta V.K., Gardas R.L., Dhanasekaran A., Patel H.M.	Joint Publication
382	Optimal and/or Efficient Cross-Over Designs Balanced for Carry-Over of Active Treatments	Gujarat Commerce College, Gujarat University, Ellisbridge, Ahmedabad, Gujarat 380006, India	Gondaliya J., Divecha J.	Joint Publication
383	Augmentation in photocurrent through organic ionic plastic crystals as an efficient redox mediator for solid-state mesoscopic photovoltaic	Materials Science Laboratory, Department of Chemistry, Indian Institute of Technology Guwahati Assam 781039, India	Sonigara K.K., Vaghasiya J.V., Prasad J., Machhi H.K., Ansari M.S., Qureshi M., Soni S.S.	Joint Publication