

2021 Publications

Title	Journal	Year	Impact Factor	Authors
Fungi with high ability to crunch multiple Polycyclic Aromatic Hydrocarbons (PAHs) from the pelagic sediments of Gulfs of Gujarat	Marine Pollution Bulletin	2021	7.001	M Mahajan; D Manek; N Vora; R Kothari; C Mootapally * ; N M Nathani *
Lycopene loaded polymeric nanoparticles for Prostate cancer treatment: Formulation, optimization using Box-behnken design and cytotoxicity studies.	Journal of Drug Delivery Science and Technology	2021	5.062	A Goswami, N Patel, V.D. Bhatt , M Raval, M Kundariya, N Sheth
Novel Silibinin Loaded Chitosan-Coated PLGA/PCL Nanoparticles Based Inhalation Formulations with Improved Cytotoxicity and Bioavailability for Lung Cancer	Bionanoscience	2021	2.305	M Raval, P Patel, V Airao, V.D. Bhatt , N Seth
Evolutionary and Antigenic Profiling of the Tendentious D614G Mutation on SARS-CoV-2 in Gujarat, India	Frontiers in Genetics	2021	4.772	Jai Nimavat, Chandrashekar Mootapally , Neelam Nathani , Devyani Dave, Mukesh Kher, Mayur Mahajan, Chaitanya Joshi, Vaibhav Bhatt
Heteroleptic C, N-Donor Pd (II) Complexes: Synthesis, Characterisation, DNA/BSA Binding Interactions and Biological Studies	Research Square	2021	NA	N J Patel, M P Dhaduk, R A Dhabhi, B S Bhatt, V.D. Bhatt , M N Patel

309 metagenome assembled microbial genomes from deep sediment samples in the Gulfs of Kathiawar Peninsula	Scientific Data	2021	8.501	N M Nathani , K J. Dave, P P. Vatsa, M S. Mahajan, P Sharma , C Mootapally
In vitro Maturation of Buffalo Oocytes and Expression of Selected Biomarker Candidate Genes	Indian Journal of Animal Research	2021	0.427	S Doultani, V S Suthar, C Mootapally , N M Nathani , M Joshi, D Patil, C Joshi
Viral footprints across Gulfs of Kathiawar Peninsula and Arabian Sea: unraveled from metagenomics data	Virus Research	2021	6.286	N M Nathani ; P P Vatsa; M S Mahajan; C Mootapally
Six-Year study on peripheral venous catheter–associated BSI rates in 262 ICUs in eight countries of South-East Asia: International Nosocomial Infection Control Consortium findings	The journal of vascular access	2021	2.326	D B Zala
Analysis of the risk factors in SARS-CoV-2: gender and age	International Journal of Community Medicine and Public Health	2021	NA	A A Sanghai, V Khan, D B Zala , V K Das
Emergency medical response services in the union territory of Dadra and Nagar Haveli, India.	International Journal of Health & Allied Sciences	2021	NA	V Khan, A Sanghai, D B Zala , V Das
MicroRNA mediated regulation of gene expression in response to	Cellular & Molecular	2021	5.787	S Dubey, M Shri , D Chakrabarty

heavy metals in plants	Biology Letters			
CRISPR-Cas9 Approaches to Enhance Contents of Plant Secondary Metabolites	Biotechnological Approaches to Enhance Plant Secondary Metabolites	2021	Book Chapter	R Rajyaguru, N Maheshala, C Mootapally, N M Nathani , R Tomar, H Bhalani, P Sharma
Bioremediation Markers in Marine Environment	Marine Microbial Bioremediation	2021	Book Chapter	A Mitra, N M Nathani, C Mootapally
130 Expression of selected biomarker candidate genes to confer in vitro maturation in Indian buffaloes	Reproduction, Fertility and Development	2021	1.973	S Doultani, C Mootapally, N M Nathani , V Suthar, H Highland, D Patil, M Joshi, C Joshi
In-Silico analysis reveals lower transcription efficiency of C241T variant of SARS-CoV-2 with host replication factors MADP1 and hnRNP-1	Informatics in medicine unlocked	2021	3.373	A Chaudhari, M Chaudhari, S Mahera, Z Saiyed, N M Nathani , S Shukla, D Patel, C Patel, M Joshi, C G Joshi
In silico characterisation of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2) based on the spike protein gene	Eurasian Journal of Medicine and Oncology	2021	0.2	A Warghane , T Petkar, S Usha Preeyaa, N Kumari, L Ranjan
A rapid and sensitive reverse transcription–loop-mediated isothermal amplification (RT-LAMP) assay for the detection of Indian Citrus Ringspot Virus	Plant Disease	2021	4.614	A D Kokane, S B Kokane, A Warghane , M G Gubyad, A Kumar Sharma, M K Reddy, D K Ghosh
Development of a real-time RT-PCR method for the	3 Biotech	2021	3.446	S B Kokane, P Misra, A D Kokane, M G Gubyad, A Warghane , D Surwase, M K

detection of Citrus tristeza virus (CTV) and its implication in studying virus distribution in planta				Reddy, D K Ghosh
Microrna 21 emerging role in diabetic complications: a critical update	Current diabetes reviews	2021	8.128	D Roy, A Modi , M Khokhar, S Sankanagoudar, D Yadav, S Sharma, P Purohit, P Sharma
Analysis of Serum Growth Differentiation Factor-15 in Progression of Breast Cancer in Type II Diabetes Mellitus Patients	Metabolism-Clinical and Experimental	2021	13.93	A Modi , D Roy, P Purohit, P Pareek, J Vishnoi
Differential Circulating miRNA Reveal Potential Biomarkers and Therapeutic Targets for Progression from Prediabetes to Type 2 Diabetes Mellitus	Metabolism-Clinical and Experimental	2021	13.93	D Roy, A Modi , P Purohit
Circulating and visceral adipose tissue miR-330-3p is associated with insulin resistance in Type II Diabetes Mellitus	Metabolism-Clinical and Experimental	2021	13.93	P Purohit, D Roy, A Modi , R Choudhary, RP Shukla, P Sharma
Interactome Profile of Visceral Adipose Tissue in Obesity Links Key Genes to Cancer Pathogenesis	Journal of the Endocrine Society	2021	5.051	D Roy, A Modi , P Purohit
In-Silico Analysis of Key Regulatory Pathways and Hub Genes From Peripheral Blood in Type 2 Diabetes	Journal of the Endocrine Society	2021	5.051	P Purohit, D Roy, A Modi

Mellitus				
A clinical and in-silico analysis of hsa-miR-21 and Growth Differentiation factor-15 expression in Diabetic Nephropathy	Research square	2021	NA	R G Agarwal, M Khokhar, P Purohit, A Modi , N K Bajpai, G K Bohra, M K Garg, P Sharma
Leptin DNA Methylation and Its Association with Metabolic Risk Factors in a Northwest Indian Obese Population	Journal of Obesity & Metabolic Syndrome	2021	NA	A Modi , M Khokhar, P Sharma, R Joshi, S S Mishra, Rajay N Bharshankar, S Tiwari, P K Singh, V V Bhosale, M P S Negi
A combined analysis of serum Growth Differentiation Factor-15 and Cancer Antigen 15-3 enhances the diagnostic efficiency in breast cancer	EJIFCC	2021	2.97	A Modi , P Purohit, A Gadwal, D Roy, S Fernandes, J R Vishnoi, P Pareek, P Elhence, S Misra, P Sharma
CRISPR/Cas-new molecular scissors in diagnostics and therapeutics of COVID-19	Indian Journal of Clinical Biochemistry	2021	1.338	A Gadwal, D Roy, M Khokhar, A Modi , P Sharma, P Purohit
A clinical and in-silico study exploring the association of CASP-3, NF-kB, miR-187, and miR-146 in pre-eclampsia	Hypertension in Pregnancy	2021	2.698	C Sharma, P Purohit, M Khokhar, A Modi , P Singh, S Shekhar, S Sharma, M Gothwal, P Sharma
Critical appraisal of epigenetic regulation of galectins in cancer	International journal of clinical oncology	2021	3.85	A Gadwal, A Modi , M Khokhar, J R Vishnoi, R Choudhary, P Elhence, M Banerjee, P Purohit
Correlation of hsa miR-101-5p and hsa miR-155-3p Expression With c-Fos in	Journal of Maxillofacial and	2021	NA	A Chugh, P Purohit, J R Vishnoi, A Kaur, A Modi , S Mishra, P Sharma, M S Rodha, P

Patients of Oral Submucous Fibrosis (OSMF) and Oral Squamous Cell Carcinoma (OSCC)	Oral Surgery			Pareek, S Bhattacharya, PG Gigi
Antiplasmodial and Cytotoxic Activities of two Euphorbiaceae Family Plants, Euphorbia hirta and Euphorbia thymifolia.	Current Bioreactive compounds	2021	1.309	Jigna Vadalia, Jalpa Sanandia, Vaibhav Bhatt , Navin Sheth
Heteroleptic C, N-Donor Pd (II) Complexes: Synthesis, Characterisation, DNA/BSA Binding Interactions and Biological Studies.	Research Square	NA	NA	Nikita Patel, Milan Dhaduk, Ravi Dhabhi, Bhupesh Bhatt, Vaibhav Bhatt , Mohan Patel