

DEPARTMENT OF BIOTECHNOLOGY
JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

S.N	Journal Publication (2019 onwards)
1	CK. Jain, S. Bhargava, I. Jain and S. Varshney, "Targeting Notch Pathway in Cancer Diagnostics and Therapeutics: An Emerging Approach", Recent Patents on Anti-cancer Drug Discovery, vol. 17, no. 3, pp. 244-252, March 2022.
2	A. Prajapati, A. Parashar, Sunita, JK. Chhabra and CK. Jain, "Multimedia in search-based software engineering: challenges and opportunities within a new research domain", Multimedia Tools and Applications, vol. 81, no. 5, pp. 35671-35691, February 2022.
3	CK. Jain, P. Srivastava, AK. Pandey, N. Singh and RS. Kumar, "miRNA therapeutics in precision oncology: a natural premium to nurture", Explore Target Antitumor Therapeutics, vol. 3, no. 4, pp. 511-532, August 2022.
4	P. Ahir, K. Passi, and CK. Jain, " Comparison of three high dimensional datasets for cancer survival analysis using semi-supervised learning method based on Cox and AFT models with L1/2 regularization", Neuro Quantology, vol. 20, no. 7, pp. 1929-1939, July 2022.
5	V. Patel, K. Passi and CK. Jain, "Collaborative Filtering Recommendation system for Prediction of Drugs for treatment of Prostate Cancer", Neuro Quantology, vol. 20, no. 7, pp. 1703-1713, July 2022.
6	B. Kaur, N. Kumar, S. Chawla, D. Sharma, S. Korpole, R. Sharma, MK. Patel, K. Chopra, OP. Chaurasia and S. Saxena, "A comparative study of in-vitro and in-silico anti-candidal activity and GC-MS profiles of snow mountain garlic vs. normal garlic", Journal of Applied Microbiology, vol. 133, no. 3, pp. 1308-1321, september 2022.
7	M. Antil and V. Gupta, "Identification of novel ADP ribosylation sites in Mycobacterium tuberculosis Isocitrate lyase by Mass Spectrometry. International Journal of Health Sciences", vol. 6, no. 2, pp. 13466-13477, July 2022.
8	M. Antil and V. Gupta, "Lessons Learned and the Way Forward for drug development against Isocitrate lyase from Mycobacterium tuberculosis", Protein and peptide letters, vol. 29, no. 12, pp. 1031-1041, October 2022.
9	M. Antil and V. Gupta, "Rv1915 and Rv1916 from Mycobacterium tuberculosis H37Rv form in vitro protein-protein complex", Biochimica et Biophysica Acta - General Subjects, vol. 1866, no. 6, pp. 130130, June 2022.
10	S. Gupta and V. Gupta, "Unveiling the structural features of CysE: a novel target for therapeutic interventions against persistent mycobacteria", Journal of Applied and Natural Science, vol. 14, no. 2, pp. 531-542, June 2022.

11	A. Kundu, M. Antil, S. Rana, P. Diwan, RK. Gupta and V. Gupta, "Surveillance of two Noida drains for assessing the presence of carbapenem-resistant ESKAPE bacteria", <i>International Journal of Health Sciences</i> , vol. 6, no. 1, pp. 14216–14225, July 2022.
12	S. El-Sohaimy, M. Shehata, A. Mathur, A. Darwish, N. Abd El-Aziz, P. Gauba and P. Upadhyay, "Nutritional Evaluation of Sea Buckthorn "Hippophae rhamnoides" Berries and the Pharmaceutical Potential of the Fermented Juice", <i>Fermentation</i> , vol. 8, no. 8, pp. 391, August 2022.
13	D. Jain and S. Mohanty, "Phage diversity within wolbachia genomes of Drosophila host", <i>Current Trends in Biotechnology and Pharmacy</i> , vol. 16, no. 3, pp. 336-343, August 2022.
14	D. Rani, B. Nayak and S. Srivastava, "Smaller Sized Hepatitis E Virus ORF2 Protein-Chitosan Nanoemulsion Conjugate Elicits Improved Immune Response", <i>Biointerface Research in Applied Chemistry</i> , vol 13, no. 1, pp. 46, January 2023.
15	N. Sharma and S. Srivastava, "Diagnosis of Pancreatic Cancer Using miRNA30e Biosensor", <i>Inter disciplinary Sciences: Computational Life Sci</i> , (2022).
16	S. Gundagatti and S. Srivastava, "Development of Electrochemical Biosensor for miR-204 Based Cancer Diagnosis", <i>Interdisciplinary Sciences:Computational Life Sciences</i> , 2022.
17	S. Singh, M. Singh and S. Gaur, "Probiotics as multifaceted oral vaccines against colon cancer: A review", <i>Frontiers in Immunology</i> , vol. 13, p. 1002674, October 2022.
18	S. Singh and S. Gaur, "Virtually selected phytochemicals from edible seeds as possible potential medicaments for hypercholesterolemia: an insilico approach", <i>Journal of Biomolecular Structure and Dynamics</i> , vol. 40, no. 17, October 2022.
19	MU. Ashhar, P. Vyas, D. Vohora, PK. Sahoo, K. Nigam, S. Dang and J. Ali, "Amelioration of oxidative stress utilizing nanoemulsion loaded with bromocriptine and glutathione for the management of Parkinson's disease", <i>International Journal of Pharmaceutics</i> , vol. 618, p. 121683, March 2022.
20	Samridh Srivastava & Garima Mathur. <i>Komagataeibacter saccharivorans</i> strain BC-G1: an alternative strain for production of bacterial cellulose. <i>Biologia</i> 77, pages3657–3668 (2022)
21	Kaur, A., Nigam, K., Tyagi, A. and Dang S, A Preliminary Pharmacodynamic Study for the Management of Alzheimer's Disease Using Memantine-Loaded PLGA Nanoparticles. <i>AAPS PharmSciTech</i> 23, 298 (2022). https://doi.org/10.1208/s12249-022-02449-9 , [Impact factor 4.02, SCOPUS, SCI, Google Scholar]
22	Rupesh Kumar, Manisha Singh, Shalini Mani, Rachana, Md. Malik, Kalaiarasan Ponnusamy and Shazia Haider, "Amyotrophic Lateral Sclerosis risk genes and suppressor", <i>Current Gene Therapy</i> , Bentham Science Publishers, 2023;23(2):14862.doi:10.2174/1566523223666221108113330

23	Khushi R. Mittal, Nandini Pharasi, Bhavya Sarna, Manisha Singh, Rachana, Shazia Haider, Sachin Kumar Singh, Kamal Dua, Saurabh Kumar Jha, Abhijit Dey, Shreesh Ojha, Niraj Kumar Jha, Shalini Mani, ; "Nanotechnology-based drug delivery for the treatment of CNS disorders", <i>Translational Neuroscience</i> , PMID: 36741545, 2022 Dec 31;13(1):527-546. doi: 10.1515/tnsci-2022-0258, (IF:1.264).
24	Singh M, Jindal D, Agarwal V, Pathak D, Sharma M, Pancham P, Shalini Mani, and Rachana, New phase therapeutic pursuits for targeted drug delivery in glioblastoma multiforme. <i>Explor Target Antitumor Ther.</i> 2022;3:866–88. https://doi.org/10.37349/etat.2022.0011 eISSN 2692-3114, IF 2.5, Dec 2022, Pubmed, Scopus, DOAJ
25	Anubhuti Gupta, Kunal Singh, Sameen Fatima, Saira Ambreen, Silke Zimmermann, Ruaa Younis, Shruthi Krishnan, Rajiv Rana, Ihsan Gadi, Constantin Schwab, Ronald Biemann, Khurram Shahzad, Vibha Rani, Shakir Ali, Peter Rene Mertens, Shrey Kohli, and Berend Isermann, Neutrophil, Extracellular Traps Promote NLRP3 Inflammasome Activation and Glomerular Endothelial Dysfunction in Diabetic Kidney Disease. <i>Nutrients</i> , 2022, 14, 2965. (International, Scopus, IF: 6.706).
26	Priyanka Mathur, Vibha Rani*, Proteomic analysis of glucose-induced cardiac myoblasts and the potential role of miR-92b-5p in regulating sarcomere proteins under hyperglycemic environment, <i>Protein and Peptide Letters</i> 29; August 2022 (International, Scopus, IF: 1.927).
27	S. Mani, D. Jindal, H. Chopra, SK. Jha, SK. Singh, GM. Ashraf, M. Kamal, D. Iqbal, DK. Chellappan, A. Dey, and S. Dewanjee, "ROCK2 Inhibition: A Futuristic Approach for the Management of Alzheimer's Disease", <i>Neuroscience & Biobehavioral Reviews</i> , vol. 142, no. 2022, pp.104871, September 2022.
28	Srivastava P, Jain CK. Computer Aided Reverse Vaccinology: A Game-changer Approach for Vaccine Development. <i>Comb Chem High Throughput Screen.</i> 2023;26(10):1813-1821. doi: 10.2174/1386207325666220930124013. PMID: 36200250. [Scopus Indexed]
29	Kumkum Sharma, Vibha Rani*, Therapeutic Potential of Stable Organosulfur Compounds of Aged Garlic. <i>Cardiovascular & Hematological Agents in Medicinal Chemistry</i> ; 2022 Oct 20. doi: 10.2174/1871525721666221020123056. (International, Scopus, IF: 2.24).
30	Bhadana R, Rani V. A Patent Review on Cardiotoxicity of Anticancerous Drugs. <i>Cardiovasc Hematol Agents Med Chem.</i> 2023 Jan 20
31	Samridh Srivastava & Garima Mathur. Bacterial Cellulose: A Multipurpose Biomaterial for Manmade World. <i>Current Applied Science and Technology</i> , Vol. 23, 1-19, 2023
32	Rai, G., Gauba, P., & Dang, S. (2023). Surface modified biodegradable nanoparticles of Gabapentin. An approach to increase cell uptake. <i>Materials Today: Proceedings</i> .
33	Gauba, P., & Saxena, A. (2023). Ciprofloxacin properties, impacts, and remediation. <i>CABI Reviews</i> , (2023).

34	Sonawane, J. M., Vijay, A., Deng, T., Ghosh, P. C., & Greener, J. (2023). Phototrophic microbial fuel cells: a greener approach to sustainable power generation and wastewater treatment. <i>Sustainable Energy & Fuels</i> .
35	Shalini Mani, Geeta Swargiary, Sasha Gulati, Simmi Gupta, Divya Jindal, Molecular docking and ADMET studies to predict the anti-breast cancer effect of aloin by targeting estrogen and progesterone receptors, <i>Materials Today: Proceedings</i> ,, 80 (3); 2023, 2378-2384. https://doi.org/10.1016/j.matpr.2021.06.362 .
36	Swargiary,G, Shalini Mani,Nanotubes and fullerene as efficient nanocarriers for delivery of mitocans to hexokinase 2: An in-silico approach, <i>Materials Today: Proceedings</i> ,Volume 76, Part 2,2023,Pages 359-364, https://doi.org/10.1016/j.matpr.2022.11.419 .
37	Tyagi,S, Shalini Mani,Process parameter optimization of vitamin D3 loaded Chitosan-TPP nanoparticles, <i>Materials Today: Proceedings</i> , Volume 76, Part 2, 2023, Pages 453-458, https://doi.org/10.1016/j.matpr.2022.12.201 .
38	Tyagi S, Mani S. Combined Administration of Metformin and Vitamin D: A Futuristic Approach for Management of Hyperglycemia. <i>Cardiovascular & Hematological Agents in Medicinal Chemistry</i> . 2023 Oct 27. https://doi.org/10.2174/0118715257261643231018102928
39	A. Aggarwal and A. Mathur, "Recent Advances in Hydroponic Culture Media Composition and Their Effect on Plant Growth", <i>DLSJ</i> , vol. 8, no. 2, pp. 162-169, Jun. 2023.
40	Mittal R K, Jain N, Mittal, S., Jain C K. CRISPR/Cas9 Technology for Non-Coding Gene Editing in Schizophrenia Therapeutics: The Recent Progress And Challenges, <i>Current Psychiatry Research and Reviews</i> 2023; 19() . https://dx.doi.org/10.2174/2666082219666230320151355 . [Scopus Indexed]
41	M. Gautam, R. Gabrani, "Systematic Illustration of the Plant-Derived Compounds via Bioinformatics Tools" <i>International Journal of All Research Education and Scientific Methods (IJARESM)</i> , Vol. 11(6), pp. 2522-2527, June 2023
42	Kumari, A., & Sattiraju, K. S. (2023). Exploring fungal-bacterial interactions for consortia building to facilitate enhanced monocrotophos remediation and plant growth promotion. <i>Ecology, Environment and Conservation</i> , August issue.
43	Kumari, A., & Sattiraju, K. S. (2023). Employing <i>Trichoderma harzianum</i> to alleviate dimethoate phytotoxicity in <i>Sorghum bicolor</i> . <i>Current trends in Biotechnology and Pharmacy</i> , article number 716.
44	S.Sharma , and N. Wadhwa*Characterization of banana fibres extracted by eco-friendly methods using pectinase of <i>Staphylococcus sciuri</i> " "Current applied science and technology" 2023, volume 23, issue 5, DOI:10.55003/cast.2023.05.23.010..
45	Awasthi, S., & Wadhwa, N,Screening and Characterization of Potential Plant Growth-Promoting Endophytes of Wheat (<i>Triticum aestivum</i>). (2023). "Current applied science and technology" 10-55003.

46	Awasthi, S., & Wadhwa, N, Mycotoxins of <i>Triticum aestivum</i> : in silico toxicity prediction Eur. Chem. Bull. 2023, 12 (Special Issue 4), 16294-162307 . https://www.eurchembull.com/uploads/paper/3959c183754749a552aeeaf72d7bb534.pdf
47	R. Mathur, S.Awasthi, R.Katyal and N.Wadhwa, <i>Mucor</i> and <i>Mucormycosis</i> : An in silico perspective of drug toxicity Eur. Chem. Bull. 2023, 12 (Si6), 4504 – 4519. https://www.eurchembull.com/uploads/paper/cf0774b64b73980438b9a5b737f5a9c2.pdf
48	Rani, D, B, Nayak & S.Srivastava Smaller Sized Hepatitis E Virus ORF2 Protein-Chitosan Nanoemulsion Conjugate Elicits Improved Immune Response, <i>Biointerface Research in Applied Chemistry</i> 13, 46 (2023). https://doi.org/10.33263/BRIAC131.046
49	S.Gundagatti and S. Srivastava. An optimization of blocking agents for designing reliable electrochemical biosensors for ovarian cancer, <i>Materials Today: Proceedings</i> , 2023, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2023.04.460 .
50	N.Sharma and S Srivastava miRNA 143 based nanobiosensor to diagnose pancreatic cancer, <i>Materials Today: Proceedings</i> , 2023, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2023.04.461 . 2023, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2023.04.461 .
51	Rani V*, Sharma K. Organosulfur Compounds in Aged Garlic Extract Ameliorate Glucose Induced Diabetic Cardiomyopathy by Attenuating Oxidative Stress, Cardiac Fibrosis, and Cardiac Apoptosis. <i>Cardiovasc Hematol Agents Med Chem.</i> 2023 Feb 23. doi: 10.2174/1871525721666230223145218. (International, Scopus, IF: 2.24).
52	Prakash V., Gabrani R., An Insight into Emerging Phytocompounds for Glioblastoma Multiforme Therapy, <i>Cardiovasc Hematol Agents Med Chem.</i> 2023 Nov 10. doi: 10.2174/0118715257262003231031171910. Online ahead of print.
53	Gautam M, Gabrani R. Evaluation of bromelain and temozolomide synergistic combination in human glioblastoma cells. <i>Advances in Traditional Medicine</i> , 2023.
54	Singhal S, Rani V. Therapeutic Potential of <i>Syzygium aromaticum</i> in Gut Dysbiosis via TMAO Associated Diabetic Cardiomyopathy. <i>Cardiovascular & Hematological Agents in Medicinal Chemistry.</i> 2023 Aug. DOI: 10.2174/1871525721666230822100142.
55	Singhal S., and Rani V. Cardioprotective Role of <i>Tinospora cordifolia</i> against Trimethylamine-NOxide and Glucose Induced Stress in Rat Cardiomyocytes
56	Shreya S, Alam MJ, Anupriya A, Jaiswal S, Rani V, Jain BP., Lipotoxicity, ER Stress, and Cardiovascular Disease: Current Understanding and Future Directions

57	Priyanka Mathur, Vibha Rani*, Investigating microRNAs in diabetic cardiomyopathy as tools for early detection and therapeutics. <i>Molecular and Cellular Biochemistry</i> ; 02 July 2022 (International, Scopus, IF: 4.13).
58	Tuli HS, Joshi H, Vashishth K, Ramniwas S, Varol M, Kumar M, Rani I, Rani V, Sak K. Chemopreventive mechanisms of amentoflavone: recent trends and advancements. <i>Naunyn Schmiedebergs Arch Pharmacol</i> . 2023 Feb 11.
59	Singhal S, Bhadana R, Jain BP, Gautam A, Pandey S, Rani V. Role of gut microbiota in tumorigenesis and antitumoral therapies: an updated review. <i>Biotechnol Genet Eng Rev</i> . 2023 Jan 12:1-27.
60	Vijay, A., Ghosh, P. C., & Mukherji, S. (2023). Power Generation by Halophilic Bacteria and Assessment of the Effect of Salinity on Performance of a Denitrifying Microbial Fuel Cell. <i>Energies</i> , 16(2), 877.
61	Surbhi Sharma & Shweta Dang, Nanocarrier Based Drug Delivery to Brain: Interventions of Surface Modification, <i>Current Neuropharmacology Curr Neuropharmacol</i> 2023;21(3):517-535, DOI: 10.2174/1570159X20666220706121412, [Impact factor 9.5 (5 years), SCOPUS, SCI , Google Scholar]
62	Tripathi.A Satsangi, R. K, Jha. K S, Chopra,A. P , Haider,S, "System biology study on MtrAB protein-protein interaction network of Mycobacterium tuberculosis", <i>Journal of Applied Biology and Biotechnology</i> , Published: Feb 17, 2023, DOI: 10.7324/JABB.2023.114465, Vol. X(XX), pp. 1-9, 2023 (IF:0.93).
63	kumar,R ; Nagar,S; HaiderS ; SoodU ; K Ponnusamy; Garg G,Dhingra; Shailly Anand; Ankita Dua; Mona Singh; Manisha Sengar; Indrakant Kumar Singh; Rup Lal; "Monkeypox virus: phylogenomics, host–pathogen interactome and mutational cascade", <i>Microbial Genomics</i>
64	Rupesh Kumar, Maged Mostafa Mahmoud, Hanaa M. Tashkandi, Shafiul Haque, Steve Harakeh,Kalaiarasan Ponnusamy,* and Shazia Haider,* "Combinatorial Network of Transcriptional and miRNA Regulation in Colorectal Cancer", <i>Int. J. Mol. Sci.</i> 2023, 24(6), 5356; https://doi.org/10.3390/ijms24065356 , IF: 6.208.
65	Thakur, P., & Gauba, P. (2023). Identification and examination of nitrogen metabolic genes in <i>Lelliottia amnigena</i> PTJIT1005 for their ability to perform nitrate remediation. <i>BMC genomics</i> , 24(1), 104.
66	V. Kumari, S. Vishwas, R. Kumar, V. Kakoty, R. Khursheed, G. Gupta, G. Rubis, K. R. Paudel, M. Singh, M. Zandi, B. G. Oliver, K. Dua, S. K. Singh, An overview of biomedical applications for gold nanoparticles against lung cancer, <i>Journal of Drug Delivery Science and Technology</i> , 104729, 1773-2247, 2023. https://doi.org/10.1016/j.jddst.2023.104729 .
67	Rachana R, V. Gandhi, I. Wadi, T. Gupta, D. Jindal, V. Agarwal, A. Tiwari, S. K. Jha, R. K. Tiwari, S. Chanda, C. K. Jain, M. Singh, A Model of interaction between Apocynin and NADPH oxidase enzyme to analyze the possible targets responsible for stress inhibition by computational analysis, <i>Cellular Physiology and Biochemistry</i> , 57:169-182, 2023. DOI: 10.33594/00000063

68	P. Pancham, D. Jindal, A. Gupta, D. Yadav, S. Agarwal, S. K. Jha, M. Singh, Analyzing the Prebiotic Potential of Glucosamine for Targeting the Gut Microbiome Health, <i>Food and Nutrition Sciences</i> , 14, 119-134. doi: 10.4236/fns.2023.142009.
69	M. Singh, D. Jindal, R. Kumar, P. Pancham, S. Haider, V. Gupta, S. Mani, R. K. Tiwari, S. Chanda, Molecular docking and network pharmacology interaction analysis of Gingko Biloba (EGB761) extract with dual target inhibitory mechanism in Alzheimer's disease, <i>Journal of Alzheimer's disease</i> , 93: 705–726, 2023. DOI 10.3233/JAD-221222
70	M. Singh, V. Agarwal, D. Jindal, P. Pancham, S. Agarwal, S. Mani, R. K. Tiwari, K. Das, B. S. Alghamdi, T. S. Abujamel, G. M. Ashraf, S. K. Jha, Recent Updates on Corticosteroid-Induced Neuropsychiatric Disorders and Theranostic Advancements through Gene Editing Tools, <i>Diagnostics</i> , 2023, 13, 337. https://doi.org/10.3390/diagnostics13030337
71	Buch, P., Sharma, T., Airao, V., Vaishnav, D., Mani, S., Rachamalla, M., Gupta, A.K., Upadhye, V., Jha, S.K., Jha, N.K. and Parmar, S., April 2023. Geraniol protects hippocampal CA1 neurons and improves functional outcomes in global model of stroke in rats. <i>Chemical Biology & Drug Design</i> .
72	Kumar, Rupesh; Malik, Zubair; Singh, Manisha; Rachana, R.; Mani, Shalini; Ponnusamy, Kalaiarasan; Haider, Shazia, Amyotrophic Lateral Sclerosis Risk Genes and Suppressor. <i>Current Gene Therapy</i> , Volume 23, Number 2, 2023, pp. 148-162(15). https://doi.org/10.2174/1566523223666221108113330
73	Mani, S, Divya Jindal, and Manisha Singh. "Gene Therapy, A Potential Therapeutic Tool for Neurological and Neuropsychiatric Disorders: Applications, Challenges and Future Perspective." <i>Current Gene Therapy</i> 23.1 (2023): 20-4
74	Mani S, Dubey R, Lai I, Babu MA, Tyagi S, Swargiary G, Mody D, Singh M, Agarwal S, Iqbal D, Kumar S. Oxidative Stress and Natural Antioxidants: Back and Forth in the Neurological Mechanisms of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> . 2023 Nov 2(Preprint):1-36.DOI: 10.3233/JAD-220700
75	Bhatt R, Vaishnav D, Airao V, Sharma T, Rachamalla M, Mani S, Gupta AK, Upadhye V, Jha SK, Jha NK, Parmar S. Neuroprotective potential of saroglitazar in 6-OHDA induced Parkinson's disease in rats. <i>Chemical Biology & Drug Design</i> . 2023 Jul 30.
76	Mani, S., Ralph, S., , Swargiary, G., Rani, M., Wasnik, S., Singh, S. P., & Devi, A. Therapeutic Targeting of Mitochondrial Plasticity and Redox Control to Overcome Cancer Chemoresistance. <i>Antioxidants & redox signaling</i> . Vol 39, issue 7-9, July 2023, https://doi.org/10.1089/ars.2023.0379
77	Saxena H, Kulshreshtha A, Agarwal A, Kumar A, Singh N and Jain CK (2023) LDRGDb - Legumes disease resistance genes database. <i>Front. PlantSci</i> . 14:1143111.doi: 10.3389/fpls.2023.1143111 [Scopus Indexed, IF: 6.6]

78	Shubhi Singh, Smriti Gaur, Development of rapid and non-destructive electric nose (E-nose) system for shelf life evaluation of different edible seeds, Food Chemistry, Volume 426, 2023. https://doi.org/10.1016/j.foodchem.2023.136562 (Indexed in Scopus, SCI, IF 8.8)
79	Rai, G., P. Gauba, S. Dang, Recent advances in nanotechnology for Intra-nasal drug delivery and clinical applications, Journal of Drug Delivery Science and Technology, Volume 86, 2023, 104726, ISSN 1773-2247. Scopus (IF 5.0)
80	Kumari, P., S. Dang, Dual drug loaded nanostructured lipid carrier for cytotoxic effect against breast cancer—a drug repurposing approach., Surfaces and Interfaces, 2023, 103138, ISSN 2468-0230. Scopus (IF 6.2)
81	Sharma S., Dang S., Polysorbate 80 surface modified PLGA nanoparticles: an in-vitro evaluation of cellular uptake and cytotoxicity on neuro-2a cells, Journal of Microencapsulation, vol.40(7), pp. 534-548. 2023
82	Sharma S., Tyagi A., Dang S., Nose to Brain Delivery of Transferrin conjugated PLGA nanoparticles for clonidine, International Journal of Biological Macromolecules, Volume 252, 2023, 126471, ISSN 0141-8130, https://doi.org/10.1016/j.ijbiomac.2023.126471 .
83	M Gautam and R. Gabrani., “Comparative analysis of α -pinene alone and combined with temozolomide in human glioblastoma cells”, Natural Product Research, Sep 4:1-6, 2023.
84	Naithani U., Jain P., Sachan A, Khare P., Gabrani R., MicroRNA as a potential biomarker for systemic lupus erythematosus: pathogenesis and targeted therapy, Clinical and experimental medicine, Dec;23(8):4065-4077, 2023. doi: 10.1007/s10238-023-01234-7.
85	Gupta P., Rani V., The Surging Mechanistic Role of Angiotensin Converting Enzyme 2 in Human Pathologies: A Potential Approach for Herbal Therapeutics.
86	Kumari K, Sharma PK, Shikha S, Singh RP., Molecular characterization and in-depth genome analysis of Enterobacter sp. S-16. Functional & Integrative Genomics , Volume 23, article number 245, (2023)
87	Singh RP*, Kumari K, Sharma PK, Ma Y Characterization and in-depth genome analysis of a halotolerant probiotic bacterium Paenibacillus sp. S-12, a multifarious bacterium isolated from Rauvolfia serpentina. BMC Microbiology volume 23, Article number: 192 (2023)
88	Singh A, Sharma JJ, Mohanta B, et al. Synthetic and biopolymers-based antimicrobial hybrid hydrogels: a focused review. Journal of Biomaterials science. Polymer Edition. 2023 Nov:1-42. DOI: 10.1080/09205063.2023.2278814. PMID: 37943320.
89	G. Kaur, S. Chawla, P. Kumar, and R. R. Singh, “Advancing Vaccine Strategies against Candida Infections: Exploring New Frontiers,” Vaccines, vol. 11, no. 11, pp. 1658–1658, Oct. 2023, doi: https://doi.org/10.3390/vaccines11111658 .

90	Singhal,K. and Mohanty, S. "Distribution and phenotypic effect of Wolbachia in natural population of Indian Drosophila", Journal of Vector Borne Diseases, in press,2023[Index in Scopus, Impact factor: 0. 735]
91	D. Yadav, S. Agarwal, P. Pancham, D. Jindal, V. Agarwal, PK. Dubey, SK. Jha, S. Mani, A. Dey, NK. Jha, and KK. Kesari, "Probing the Immune System Dynamics of the COVID-19 Disease for Vaccine Designing and Drug Repurposing Using Bioinformatics Tools", Immuno, vol. 2, no. 2, pp. 344-371, April 2022.
92	S. Maurya and R. Gabrani, "Glioblastoma and its Complications" VSRD International Journal of Bio-Technology & Pharmaceutical Sciences, Special Issue on: Biomedical Sciences and Computational Biology. Vol. 11, pp. 62-66, August 2022.
93	P. Bhatia and R. Gabrani, "Mouse Models for Understanding Glioblastoma Multiforme" VSRD International Journal of Bio-Technology & Pharmaceutical Sciences, Special Issue on: Biomedical Sciences and Computational Biology. vol. 11, pp. 30-34, August 2022.
94	A. Ibeyaima, IP. Sarethy, A. Phurailatpam, "Screening and analysis of bioactive compounds of traditional hair shampoo (Chenghi) - A review", Journal of Research in Traditional Medicine, vol. 8, no. 2, pp 44-54, september 2022.
95	Rachana, Sujata Basu, Hareram Birla, Ashok Tiwari, Mansi Sharma, Debdarshan Dutta, Manisha Singh, Divya Jindal and Surya Pratap Singh, (2022). Recent advancement on phytochemical and medicinal properties of <i>Tinospora cordifolia</i> : An Indian medicinal plant. NeuroQuantology Oct 2022 Vol 20 Issue 12 3753-3778 DOI: 10.14704/NQ.2022.20.12.NQ773702
96	S. Singh, R. Gupta R, S. Chawla, P. Gauba, M. Singh, RK. Tiwari, S. Upadhyay, S. Sharma, S. Chanda and S. Gaur, "Natural sources and encapsulating materials for probiotics delivery systems: Recent applications and challenges in functional food development", Frontiers in Nutrition, vol. 9:971784, September 2022.
97	K. Nigam, Md. Nematullah, F. Khan, R. Gabrani and S. Dang, "In-vitro investigations of Baclofen loaded PLGA nanoparticles", Nanotechnology Perceptions, vol. 18 , no. 1, pp. 46–52, October 2022.
98	A. Kaur and S. Dang, "Development of Nanoemulsion loaded with Naringenin ", Nanotechnology Pereceptions, vol. 18, no. 1, pp. 53-63, October 2022.
99	Kumkum Sharma, Vibha Rani*, Cardiovascular Toxicity of Oral Antidiabetic Drugs and the Efficacy of Natural Organosulfure Compounds from Aged Garlic Extract (AGE). Current Trends in Biotechnology and Pharmacy, Vol. 16 (4) 562 - 576, Oct 2022. (International, Scopus, IF: 0.477)
100	Shivani Singhal, Vibha Rani*, Therapeutic Effects of Gut Microbiota on Metabolic Syndrome: A Patent Review; Recent Pat Food Nutr Agric. 2022 Mar 18. doi: 10.2174/2212798412666220318162322.

101	H. Garg, S. Mittal, M. U. Ashhar, S. Kumar, S. Dang, K. Nigam, J. Ali and S. Baboota, "Bioavailability Enhancement of Paroxetine Loaded Self Nanoemulsifying Drug Delivery System (SNEDDS) to Improve Behavioural Activities for the Management of Depression", <i>Journal of Cluster Science</i> , 2022.
102	K. Nigam, A. Kaur, A. Tyagi, K. Manda, N. Goswami, Md. Nematullah, F. Khan, R. Gabrani, P. Gauba and S. Dang, " In vitro & in vivo evaluations of PLGA nanoparticle based combinatorial drug therapy for baclofen and lamotrigine for neuropathic pain management", <i>Journal of Microencapsulation</i> , vol. 39, no. 2, pp. 95-109, February 2022.
103	G. Swargiary and S. Mani*, " ER and PGR Targeting Ability of Phytocompounds Derived from <i>Centella asiatica</i> and <i>Andrographis paniculata</i> : An In-silico Approach", <i>J of Herbal Medicine</i> , vol. 32, pp. 100541, March 2022.
104	S. Mani, G. Swargiary and SJ. Ralph, "Targeting the redox imbalance in mitochondria: A novel mode for cancer therapy", <i>Mitochondrion</i> , vol. 62, no. 1, pp. 50-73, January 2022.
105	NK. Jha, WC. Chen, S. Kumar, R. Dubey, LW. Tsai, R. Kar, SK. Jha, PK. Gupta and S. Mani, "Molecular mechanisms of developmental pathways in neurological disorders: a pharmacological and therapeutic review", <i>Open Biology</i> , vol. 12, no. 3, February 2022.
106	Shalini Mani, Divya Jindal and Manisha Singh, "Gene Therapy, A potential Therapeutic Tool for Neurological and Neuropsychiatric Disorders: Applications, Challenges and Future Prospective", <i>Current Gene Therapy</i> , vol. 22, no. 5, March 2022.
107	A. Kumari and KS. Sattiraju, "In silico modeling, docking of ThPON1-like protein, and in vitro validation of pesticide tolerance in <i>Trichoderma harzianum</i> ", <i>Journal of Applied Biology and Biotechnology</i> , vol. 10, no. 6, pp. 108-116, August 2022.
108	A. Kumari and KS. Sattiraju, "In vitro and in vivo evidence for the mitigation of monocrotophos toxicity using native <i>Trichoderma harzianum</i> isolate", <i>Biologia</i> , vol. 77, no. 8, pp. 2335-2349, May 2022.
109	D. Rani, B. Nayak and S. Srivastava, "Smaller Sized Hepatitis E Virus ORF2 Protein-Chitosan Nanoemulsion Conjugate Elicits Improved Immune Response", <i>Biointerface Research in Applied Chemistry</i> , vol. 13, no. 1, pp. 46, January 2023.
110	S. Gundagatti and S. Srivastava, "Development of Electrochemical Biosensor for miR204-Based Cancer Diagnosis", <i>Interdisciplinary Sciences: Computational Life Sciences</i> , vol. 14, no. 2, pp. 596–606, April 2022.
111	N. Sharma and S. Srivastava, "Diagnosis of Pancreatic Cancer Using miRNA30e Biosensor", <i>Interdisciplinary Sciences: Computational Life Sciences</i> , vol. 14, no. 4, pp. 804-813, July 2022.
112	C. Faujdar and Priyadarshini, "Comparative study of hydroalcoholic extracts of <i>Bryophyllum pinnatum</i> and <i>Macrotyloma uniflorum</i> for their antioxidant, antiurolithiatic, and wound healing potential", <i>Journal of Appl Biol Biotech</i> , vol. 10, no. 1, pp. 196-205, January 2022.

113	N. Gupta, B. Gupta, K. Passi and C.K. Jain, "Applications of Artificial Intelligence Based Technologies in Weed and Pest Detection", Journal of Computer Science, vol. 18, no. 6, pp. 520-529, June 2022.
114	NK Jha, S.Bhardwaj; KK Kesari, M.Rachamalla, S.Mani, DK Chellappan, SK Singh, K.Dua, J.Ruokolainen, MA Kamal, S.Ojha., "CRISPR/ Cas9 gene editing: A shining beacon of hope in Alzheimer's therapeutics," Journal of Advanced Research 2021 https://doi.org/10.1016/j.jare.2021.07.001
115	D. Mody, V. Verma and V. Rani., "Modulating host gene expression via gut microbiome- microRNA interplay to treat human diseases," Critical Reviews in Microbiology, vol. 47(3), Mar. 2021. https://doi.org/10.1080/1040841X.2021.1907739 .
116	R. K. Tiwari, S. Chanda, M. Udayabanu, M. Singh and S. Agarwal., "Anti-Inflammatory, and Anti-Arthritic Potential of Standardized Extract of Clerodendrum serratum (L.) Moon," Frontiers in Pharmacology, vol. 12, pp. 429-440, 2021. https://doi.org/10.3389/fphar.2021.629607 .
117	V. Gupta, S. Haider, M. Verma, N. Singhvi, K. Ponnusamy, Md. Malik, H. Verma, R. Kumar, U. Sood, P. Hira, S. Satija, Y. Singh and Rup Lal., "Comparative Genomics and Integrated Network Approach Unveiled Undirected Phylogeny Patterns, Co-mutational Hotspots, Functional Crosstalk and Regulatory Interactions in SARS-CoV-2, mSystems, vol. 6(1), Feb. 2021 https://doi.org/10.1128/mSystems.00030-21
118	V. Sharma and G.Mathur. "Phytochemical Evaluation of Anthocephalus cadamba and invitro cytotoxicity studies". International Journal of Progressive Research in Science and Engineering , Vol. 2(3), pp. 70-75, March 2021
119	N. Atale, C. B. Mishra, S. Kohli, R. K. Mongre , A. Prakash , S. Kumari, U. C. S. Yadav , R. Jeon and V. Rani., "Anti-inflammatory Effects of S. cumini Seed Extract on Gelatinase-B (MMP-9) Regulation against Hyperglycemic rdiomyocyte Stress," Oxidative Medicine and Cellular Longevity, vol. 2021, Mar. 2021, https://doi.org/10.1155/2021/8839479
120	M.Singh, S.Agarwal, V.Agarwal, S. Mall, P. Pancham S. Mani., "Current theranostic approaches for metastatic cancers through hypoxia induced exosomal packaged cargo," Life Sciences. vol. 286, pp. 120017, Dec. 2021 https://doi.org/10.1016/j.lfs.2021.120017
121	S.Mani, G.Swargiary, M.Singh, S. Agarwal, A. Dey, S. Ojha, NK.Jha., "Mitochondrial Defects: An Emerging Theranostic Avenue Towards Alzheimer's Associated Dysregulations," Life Sciences. vol. 285, pp.119985 2021 https://doi.org/10.1016/j.lfs.2021.119985
122	S. Mani, G. Swargiary, S. Tyagi, M. Singh, NK. Jha, KK. Singh., "Nanotherapeutic Approaches to Target Mitochondria in Cancer," Life Sciences, vol. 281, 2021 https://doi.org/10.1016/j.lfs.2021.119773
123	A, K., Singh, T. & Dang, S. Advances in microneedle-based transdermal delivery for drugs and peptides. Drug Deliv. and Transl. Res. (2021). https://doi.org/10.1007/s13346-021-01056-8

124	M. Singh, S. Agarwal, R. K. Tiwari, S. Chanda, K. Singh, P. Agarwal, A. Kashyap, P. Pancham, S. Mall, Rachana, S. Sharma, Neuroprotective ability of Apocynin loaded nanoparticles (APO-NPs) as NADPH oxidase (NOX)-mediated ROS modulator for hydrogen peroxide-induced oxidative neuronal injuries, <i>Molecules</i> , 26(16), 5011, 2021.
125	M. Singh, S. Agarwal, P. Pancham, V. Agarwal, H. Kaur, and R. Kaur., "In-silico Validation and Fabrication of Matrix Diffusion-based Polymeric Transdermal Patches for Repurposing Gabapentin Hydrochloride in Neuropathic Pain," <i>CNS & Neurological Disorders - Drug Targets</i> , vol. 20, pp. 221-243, 2021. https://doi.org/ 10.2174/187152732066621021
126	M. Singh, S. P. Singh, D. Yadav, M. Agarwal, S. Agarwal, V. Agarwal, G. Swargiary, S. Srivastava, S. Tyagi, and S. Mani., "Targeted delivery for neurodegenerative disorders using gene therapy vectors: Gene next therapeutic goals," <i>Current Gene Therapy</i> . vol. 21(1), pp. 23-42, 2021 https://doi.org/10.2174/1566523220999200817164907
127	S. Mani, G. Swargiary and R. Chadha., "Mitophagy Impairment in Neurodegenerative Diseases: Pathogenesis and Therapeutic Interventions," <i>Mitochondrion</i> , vol. 57, pp. 270–293, Mar. 2021 https://doi.org/10.1016/j.mito.2021.01.001
128	G.Swargiary, S.Mani., "Molecular docking and simulation studies of phytocompounds Derived from <i>Centella asiatica</i> and <i>Andrographis paniculata</i> against Hexokinase II as mitocan agents," <i>Mitochondrion</i> . vol. 61, pp.138-146, Nov. 2021 https://doi.org/10.1016/j.mito.2021.09.013
129	CK Jain, S. Bhargava, I. Jain and S. Varshney., "Targeting Notch Pathway in Cancer Diagnostics and Therapeutics: An Emerging Approach" <i>Recent Pat Anticancer Drug Discov</i> . vol. 16(4), Jun. 2021 https://doi.org/10.2174/1574892816666210607092350
130	A. Kumar, M.Rani, S.Mani, P.Shah, DB Singh, H.Kudapa and RK. Varshney., "Nutritional Significance And Antioxidant Mediated Anti-ageing Effects Of Finger Millet: Molecular Insights And Prospects," <i>Frontiers Sustainable Food Systems</i> , vol. 5, pp. 336 2021 https://doi.org/10.3389/fsufs.2021.684318
131	R. Kumar, S.Haider "Protein network analysis to priotize key genes in Amyolotropic Lateral Sclerosis risk genes" <i>IBRO-Neuroscience</i> , December, 2021, PMID: 34918006, DOI: 10.1016/j.ibneur.2021.12.002
132	A.Yadav, S.Singh, H. Sohi, S.Dang , <i>Advances in Delivery of Chemotherapeutic Agents for Cancer Treatment</i> . <i>AAPS PharmSciTech</i> 23, 25 (2022). published on 14th Dec 2021 https://doi.org/10.1208/s12249-021-02174-9
133	K.Nigam, A.Kaur, A.Tyagi, K. Manda, N.Goswami, Md Nematullah, F.Khan, R.Gabrani, P.Gauba & S. Dang (2022) <i>In vitro & In vivo</i> evaluations of PLGA nanoparticle based combinatorial drug therapy for Baclofen and Lamotrigine for neuropathic pain management, <i>Journal of Microencapsulation</i> , DOI: 10.1080/02652048.2022.2041751

134	R. Ghildiyal, R. Gabrani, "Computational analysis of human host binding partners of chikungunya and dengue viruses during coinfection". Pathog Dis. Vol. 79(8), pp. ftab046. Oct 2021. doi: 10.1093/femspd/ftab046.
135	P.Kumari and S.Dang , "Anti-Cancer Potential of Some Commonly Used Drugs", Current Pharmaceutical Design (2021) Volume 27, Number 45, 2021, pp. 4530-4538(9) (DOI : 10.2174/1381612827666210622104821)
136	S. Dang, S.Baboota, J.Ali, Advances in Cancer Therapeutics, Current Pharmaceutical Design, Volume 27, Number 45, 2021, pp. 4513-4514(2)Publisher: Bentham Science Publishers DOI: https://doi.org/10.2174/138161282745211101163713, Publication date: 01 December 2021 (GUEST EDITOR OF THEMATIC ISSUE)
137	V. Rani*, S. Singhal, K. Sharma, R. Vaid, K. Aggarwal, R. Bhadana, R. Agarwal and N. Atale "Human Gut Microbiome: A New Frontier in Cancer Diagnostics & Therapeutics" (2021) Volume 27(45), pp.4578 - 4592. doi: 10.2174/1381612827666211006152112
138	V. Rani,,D. Yadav,N. Atale, Matrixmetalloproteinases and Their Inhibitors:Promising Therapeutic Targets Against Cancer, Current Pharmaceutical design, 2021;27(45):4557-4567. doi: 10.2174/1381612827666210830103059.
139	J. M D Bouckaert, SN.Savvides , V.Gupta,Rational Design and Development of HDAC Inhibitors for Breast Cancer Treatment. Curr Pharm Des. 2021;27(45):4610-4629. doi: 10.2174/1381612827666210917143953. PMID: 34533439.
140	R. Ghildiyal, R. Gabrani., "Deciphering the human cellular interactors of alphavirus unique domain of Chikungunya Virus" Virus Res., vol. 295, pp. 198-288. Apr. 2021 http://doi.org/10.1016/j.virusres.2020.198288
141	D. Verma and V. Gupta., "New insights into the structure and function of an emerging drug target CysE," 3 Biotech ; Aug;11(8):373. doi: 10.1007/s13205-021-02891-9. Epub 2021 Jul 18
142	D. Rani, B. Nayak and S. Srivastava., "Immunogenicity of gold nanoparticle based truncated ORF2 vaccine in mice against Hepatitis E virus," 3 Biotech vol. 11(2), Feb. 2021 https://doi.org/10.1007/s13205-020-02573-y
143	P Mathur , V Rani. MicroRNAs: A Critical Regulator and a Promising Therapeutic and Diagnostic Molecule for Diabetic Cardiomyopathy. Current Gene Therapy. 2021;21(4):313-326. doi: 10.2174/1566523221666210311111619.
144	G. Agarwal, R. Gabrani, "Identification of peptide binders to recombinant chikungunya virus envelope protein 2 using phage display technology and their in silico characterization" Protein Pept Lett. Vol. 28(5), pp.508-519. 2021 doi: 10.2174/0929866527666201029144245.
145	Priyadarshini; N.Abhishek; F.Chetna; N., Lokesh; S. Naidu, "Exploring the Molecular Level Interaction of Human Serum Albumin with Calcium Oxalate Monohydrate Crystals" Protein and Peptide Letters, Volume 28, Number 11, 2021, pp. 1281-1289(9) https://doi.org/10.2174/0929866528666210930165426

146	Kakkar, P., & Wadhwa, N. (2021). Extremozymes used in textile industry. The Journal of The Textile Institute, 1-9.
147	K. Sharma and V. Rani., "Anticancerous and Antimicrobial Properties of Garlic," Journal of Natural Product and Plant Resources, vol. 11(2), pp. 1-5, 2021.
148	G. Agarwal and R. Gabrani., "Antiviral Peptides: Identification and Validation," International Journal of Peptide research and therapeutics, vol. 27, pp. 149-168, May 2021. DOI: https://doi.org/10.1007/s10989-020-10072-0
149	R. Ghildiyal and R. Gabrani., "Computational approach to decipher cellular interactors and drug targets during co-infection of SARS-CoV-2, Dengue, and Chikungunya virus," VirusDisease, vol. 32(1), pp. 55-64, Mar. 2021. https://doi.org/10.1007/s13337-019-00547-0
150	E.Bhatt and P. Gauba. " Impact of Tetracycline on Basil and its Remediation Potential". J Sci Ind Res Vol. 80, pp. 404-413, May 2021,
151	N.Srivastava, S.Gupta, , I.P.Sarethy, Characterization of Streptomyces sp. UK-201 from Lachhiwala Reserve Forest, a Biodiversity Hot Spot of the Himalayas. The Natural Products Journal (Feb. 2021). Vol. 11 (2) 207-220
152	Sharma, S., & Wadhwa, N. (2021). Microbial Retting of Banana Pseudostem. International Journal of Engineering and Advanced Technology, DOI: 10.35940/ijeat.A3195.1011121
153	I Thapa, S Gaur, Decolorization of azo dyes by newly isolated Citrobacter sp. strain EBT-2 and effect of various parameters on decolourization, Journal of Applied Biology and Biotechnology, 6(9), 92-99, 2021
154	N.Kuldeep and S.Dang. "Giemsa Staining of some nano-formulations on Neuro-2a neuroblastoma cell line" Nanoscience and Nanotechnology-Asia, Volume 11, Number 3, 2021, pp. 357-362(6), DOI : 10.2174/2210681210999200508084714
155	V. Prakash, R. Gabrani, "Effect of Natural Compounds on Glioblastoma Multiforme Pathways" Current Trends in Biotechnology and Pharmacy Vol. 15 (6) 19-27, 2021,
156	Bhatt E., Gauba P., Phytotoxicity of Tetracycline and Amoxicillin on Vigna radiata and its remediation potential in hydroponic system, Current Trends in Biotechnology and pharmacy, vol 15 (3), pp 299-314.
157	E.Bhatt , P.Gauba, "A Sustainable approach for Phytoremediation of Amoxicillin using Ocimum basilicum". Current Trends in Biotechnology and pharmacy.Vol. 15 (6) 28-35, 2021,
158	C.Faujdar & Priyadarshini. (2021). Evaluation of In-vitro Cytoprotective, Wound Healing and Antioxidant Effects of Ocimum sanctum Leaf Extract. Current Trends in Biotechnology and Pharmacy, 15(3), 248–255. https://doi.org/10.5530/ctbp.2021.3.27
159	R.Rahman ,G. Mathur Effect of different media on growth kinetics parameters of Aspergillus ochraceus: An approach towards production of fungal biomass, Current Trends in Biotechnology and pharmacy, vol 15 (6), pp 1-3. https://doi.org/10.5530/ctbp.2021.6.1

160	Sharma, S., & Wadhwa, N. (2021). Morphological and Molecular Based Identification of Pectinase Producing <i>Staphylococcus scuri</i> from Tuber. <i>Current Trends in Biotechnology and Pharmacy</i> , 15(6), 131-136.
161	Wadhwa, N., Mathur, R., Asawa, K., Gaur, S., Agrahari, S., & Katyal, R. (2021). Optimization Studies of Medium Components for Protease Production from <i>Pseudomonas thermaerum</i> GW1. <i>Current Trends in Biotechnology and Pharmacy</i> , 15(6), 125-130.
162	Katyal, R., Kakkar, P., Kaur, T., Tyagi, T., Sharma, P., Vats, S., & Mathur, R. (2021). Colouring Properties of Plant Pigments on Fabric: Survey on Preference for Antimicrobial Naturally Dyed Mask. <i>Current Trends in Biotechnology and Pharmacy</i> , 15(6), 53-57.
163	S. Sharma, S. Dang, Molecular Docking Analysis of Natural Compounds Against Serotonin Transporter (SERT) <i>Current Trends in Biotechnology and Pharmacy</i> , vol 15, pg 83-89, 2021
164	Bhatt E., Gauba P., Phytotoxicity of Tetracycline and Amoxicillin on <i>Vigna radiata</i> and its remediation potential in hydroponic system, <i>Current Trends in Biotechnology and pharmacy</i> , vol 15 (3), pp 299-314.
165	Upadhyay P, Gauba P, Mathur A. Substrate Specificity of Paraben Towards Liver Esterase: An In-Silico and Titrimetric Analysis. <i>Current Trends in Biotechnology and Pharmacy</i> . 2021;15(6):114-7.
166	S.Chaturvedi, I.P. Sarethy, Virtual screening of Compounds from Microcolonial Fungal Strain TD-062 Obtained from the Thar Desert of India, <i>Current Trends in Biotechnology and Pharmacy</i> (2021), Vol. 15 (6) 62 – 66. Doi 10.5530/ctbp.2021.6.12
167	S.Singh , S.Gaur , Insilico Analysis of Mucin- Binding Proteins in Lactic Acid Bacteria, <i>Current Trends in Biotechnology and Pharmacy</i> Vol. 15 (6) 108 - 113, 2021,
168	R Bansal and P Gauba (2021). Exploring Phytoremediation Potential of <i>Vigna radiata</i> & <i>Vigna aconitifolia</i> Under Hexavalent Chromium Induced Stress in Hydroponics <i>Current Trends in Biotechnology and Pharmacy</i> , 15(6),40-46
169	I.P.Sarethy, A.Saharan, Genomics, proteomics and transcriptomics in the biological control of plant pathogens: a review. <i>Indian Phytopathology</i> , vol 74 (5), Jan 2021. https://doi.org/10.1007/s42360-020-00302-2
170	A.Saharan, N.Srivastava, I. P Sarethy, Morphological and molecular characterization of Actinomycetes isolates and their metabolite fingerprinting. <i>Indian Journal of Agricultural Sciences</i> 91 (4): 550–4, April 2021
171	K. Sharma and V. Rani., "A comparative study of antioxidative and cardioprotective efficacy of raw and aged garlic extract," <i>International Journal of Herbal Medicine</i> , vol. 9(3), pp. 09-17, Apr. 2021 https://dx.doi.org/10.22271/flora
172	K. Passi, P. Patel and CK Jain., "Prediction of Heart Cancer Data Using Hybrid Optimization and Machine Learning Techniques," <i>International Journal of Extreme Automation and Connectivity in Healthcare</i> , vol 3(1), pp. 1-17, Jun. 2021, DOI: https://doi.org/10.4018/IJEACH.2021010101

173	Gauba P., Thakur P., Tolerance and Remediation Potential of Water Microbes against Nitrate, International Journal of Current Research and Review, vol 13 (19), pp 58-64
174	N. Goel, P. Gupta, A.Gupta, V. Gupta & A. Gupta. Best foot forward through transformed TIL paradigm for effective online learning in India: A survey study with higher education students in Delhi-NCR. INDIAN JOURNAL OF EDUCATIONAL TECHNOLOGY Vol 3, issue 2, July 2021
175	D.Jain and S.Mohanty, "Fly transcriptomics uncovers the molecular signature of cellular and tissue specific functions", Dros. Inf. Serv.,103, pp. 83-90, 2020.
176	Atale N, Yadav D, Rani V, Jin JO. Pathophysiology, Clinical Characteristics of Diabetic Cardiomyopathy: Therapeutic Potential of Natural Polyphenols. Front Nutr. 2020 Dec 3;7:564352. doi: 10.3389/fnut.2020.564352. PMID: 33344490; PMCID: PMC7744342.
177	I.Singh, S. Haider, Md. Z.Malik, K. Ponnusamy, E. Rai, S. Sharma, "ACE2 Homodimerization Affects Binding of SARS-CoV-2 Spike Protein" E-letter in response to an article, "Structural basis for the recognition of SARS-CoV-2 by full-length human ACE2", Science, (Impact factor: 41.845).Science 04 March 2020:eabb2762, DOI: 10.1126/science.abb2762
178	S Mani, G. Swargiary and K. K Singh. Natural Agents Targeting Mitochondria in Cancer Int. J. Mol. Sci. 2020, 21, 6992; doi:10.3390/ijms21196992
179	S.Mathur, G.Maheshwari, P.Gauba "Effects of Estrogen on the environment" OmniScience:A Multi-disciplinary Journal, December 2020, 10(3),12-17
180	G.Maheshwari, S.Mathur, P.Gauba" Disease Resistant Plants :A review", OmniScience:A Multi-disciplinary Journal, December 2020, 10(3),1-6
181	R. Ghildiyal, R. Gabrani, "Antiviral therapeutics for chikungunya virus" Expert Opin Ther Pat. Vol. 30, pp. 467-480, 2020 DOI: 10.1080/13543776.2020.1751817
182	S. Nagar, C. Talwar, S. Haider, A. Puri, K. Ponnusamy, M. Gupta, U. Sood, A.Bajaj, R. Lal, Roshan Kumar, "Phylogenetic relationships and potential functional attributes of the genus Parapedobacter: A member of family Sphingobacteriaceae", Front. Microbiol., 04 September 2020 https://doi.org/10.3389/fmicb.2020.01725
183	S. Nagar, C.Talwar, S. Haider, A. Puri, K. Ponnusamy, M.Gupta, U.Sood, A. Bajaj, R. Lal, R.Kumar, Phylogenetic relationships and potential functional attributes of the genus Parapedobacter: A member of family Sphingobacteriaceae, Frontiers in Microbiology., 04 September 2020, (Impact factor:4.235) .ISSN: 1664-302X
184	M. Antil, S. G. Gouin and V. Gupta. Truncation of C-terminal intrinsically disordered region of mycobacterial Rv1915 facilitates production of "difficult-to purify" recombinant drug target" Frontiers in Bioengineering and Biotechnology. May 2020. Available at https://doi.org/10.3389/fbioe.2020.00522

185	S. Mani, G R Chandak, K. K Singh, R. Singh, S N. Rao. Novel p.P298L SURF1 mutation in thiamine deficient Leigh syndrome patients compromises cytochrome c oxidase activity. Mitochondrion 2020
186	G. Sharma, S. Dang, Aruna K, M. Kalia, R. Gabrani, "Synergistic antibacterial and anti-biofilm activity of nisin like bacteriocin with curcumin and cinnamaldehyde against ESBL and MBL producing clinical strains" Biofouling 2020 DOI:10.1080/08927014.2020.1804553
187	A. Kaur, K. Nigam, I. Bhatnagar , H.Sukhpal , S.Awasthy , S. Shankar, A. Tyagi, S. Dang, Treatment of Alzheimer's diseases using Donepezil Nanoemulsion: An intranasal approach, Drug Delivery and Translational Research. April 2020 https://doi.org/10.1007/s13346-020-00754-z
188	S. Gupta and V. Gupta. "Homology modeling, structural insights and in-silico screening for selective inhibitors of Mycobacterial CysE" Journal of Biomolecular Structure and Dynamics. Feb. 2020 Available at https://doi.org/10.1080/07391102.2020.1734089
189	S. Mani, S. N. Rao, M V Kranthi Kumar. G6036A substitution in mitochondrial COX I gene compromises cytochrome c oxidase activity in thiamine responsive Leigh syndrome patients. J Neurol Sci.415 (2020) 116870.
190	H. Kaur, S. Agarwal, P. Pancham, C. Kalra, C. Soin, M. Singh, Synthesis and characterization of Citrus limonum essential oil based nanoemulsion and its enhanced antioxidant activity with stability for transdermal application, Journal of Biomaterials and Nanobiotechnology, Vol.11 No.4, 20, 2020
191	M. Singh, S. P. Singh, P.K. Dubey, Rachana, S. Mani, D. Yadav, M. Agarwal, S. Agarwal, V. Agarwal, H. Kaur, "Advent of Proteomic Tools For Diagnostic Biomarker Analysis in Alzheimer's Disease", Special issue on: "Neuroproteomics on the rise", Current Protein & Peptide Science, vol. 20:21, pp.- 1-13, 2020. DOI: 10.2174/1389203721666200615173213.
192	S.Sharma, S Dang, Neuropsychological Disorders and their Nano-carries, Current Pharmaceutical Design, 2020, 26, 1-10 DOI : 10.2174/1381612826666200224111241
193	A.Kaur, K. Nigam, S. Srivastava, A. Tyagi, S.Dang, Memantine Nanoemulsion: A new approach to treat Alzheimer's Disease, Journal of Microencapsulation, Pages 355-365, April 2020 https://doi.org/10.1080/02652048.2020.1756971
194	S. Agarwal, V. Agarwal, M. Agarwal, M. Singh, "Exosomes: Structure, Biogenesis, Types and Application in Diagnosis, and Gene and Drug Delivery, special issue on: "Gene Therapy for Neuroprotection and Neurorestoration", Current Gene Therapy, vol.20:2, pp. 1 – 12, 2020. DOI: 10.2174/1566523220999200817164907
195	M. Rana, AditiJain, Vibha Rani, Papia Chowdhury, Glutathione capped core/shell CdSeS/ZnS quantum dots as a medical imaging tool for cancer cells; Inorganic Chemistry Communications; Volume 112, February 2020, 107723.

196	H. Kaur, S. Agarwal, M. Agarwal, V. Agarwal and M. Singh, "Therapeutic and Preventive Role of Functional Foods in Process of Neurodegeneration", International Journal of Pharmaceutical Sciences and Research, June 2020. DOI: 10.13040/IJPSR.0975-8232.11(6).2882-91
197	A. Khare, S. Gaur , "Cholesterol lowering effects of Lactobacillus species", Current Microbiology, vol.77, pp. 638–644, 2020, https://doi.org/10.1007/s00284-020-01903-w .
198	G. Agarwal, R. Gabrani, Antiviral Peptides: Identification and Validation. International Journal of Peptide research and therapeutics May 18;1-20. 2020. DOI: 10.1007/s10989-020-10072-0
199	G. Agarwal, R. Gabrani, "Identification of peptide binders to recombinant chikungunya virus envelope protein 2 using phage display technology and their in silico characterization" Protein Pept Lett. 2020 Oct 29. doi: 10.2174/0929866527666201029144245. Online ahead of print.
200	N.Srivastava, .Sarethy, I.P. "Metabolite Fingerprinting of Novel Streptomyces UK-238 from the Himalayan Forest", Current Pharmaceutical Analysis, vol. 16, March 2020. (E-pub Ahead of Print). https://doi.org/10.2174/1573412916666200206160836
201	M. Jain, P. Yadav, Priyadarshini. "Proteomics study in Urolithiasis". Current Proteomics, 2020, 17 DOI: 10.2174/1570164616666190722161823
202	K. Nigam and S. Dang "Giemsa Staining of some nano-formulations on neuroblastoma cell line" Nanoscience & Nanotechnology-Asia, vol. 10(3), 2020, DOI : 10.2174/2210681210999200508084714
203	A. Kaur, R. Gabrani and S. Dang, "Antimicrobial activity of nanoemulsion encapsulated with polyphenon 60 and ciprofloxacin for the treatment of urinary tract infection", Advances in Traditional Medicine, 2020, DOI : https://doi.org/10.1007/s13596-020-00483-1
204	G. Sharma, H. Gupta, S. Dang, S. Gupta, R. Gabrani, "Characterization of antimicrobial substance with antibiofilm activity from <i>Pediococcus acidilactici</i> " Journal of Microbiology, Biotechnology and Food Sciences, vol. 9 (5), pp. 979-982, April-May 2020
205	M. Maheshwari, A. Gupta and S. Gaur, "Probiotic potential of traditional Indian fermented drinks", Current Nutrition & Food Science vol 16, no 5, pp. 638-643, 2020, 16:1 https://doi.org/10.2174/1573401315666190821113406
206	N Patel , Passi K, Jain CK. (2020) Improved Prediction of Breast Cancer on Epigenomics Data using Feature Selection and Machine Learning, Adv Proteomics Bioinform, March 2020, 03: 115. (ISSN: 2690-0092)DOI: 10.29011/2690-0092.100015
207	P.Patel, , K., Passi , CK.Jain, Efficacy of Non-negative Factorization for Feature Selection in Cancer Data, International Journal of Data Mining & Knowledge Management Process (IJDKP),2020, Vol. 10, No. 4, DOI 10.5121/ijdkp.2020.10401

208	P.Chakravorty, Srivastava, N., Ibeyaima, A., Sarethy, I.P. "Antimicrobial and antioxidant compounds in endophyte isolate L-003 obtained from the aquatic plant <i>Nelumbo nucifera</i> " <i>The Natural Products Journal</i> , DOI: 10.2174/2210315509666190114143222, Vol. 10 , no. 2, pp 139-144, Feb. 2020 [Indexed in SCOPUS]
209	G.Maheshwari, S.Mathur, Dr. RK Kapoor, P.Gauba "Prevalence of Subclinical Hypothyroidism in an Otherwise Healthy Population– A Study", <i>International Journal for Research in Applied Science and Biotechnology</i> , July 2020, 7(4)
210	S.Mathur, G.Maheshwari, Dr. RK Kapoor, P.Gauba "Prevalence of Hyponatremia in an Elderly Population: A Case Study" <i>International Journal for Research in Applied Science and Biotechnology</i> , July 2020, 7(4)
211	S. Agarwal, V. Tyagi, M. Agarwal, A. Pant, H. Kaur & M. Singh,"Controllable Transdermal Drug Delivery of Theobroma cacao Extract Based Polymeric Hydrogel against Dermal Microbial and Oxidative Damage," <i>Food and Nutrition Sciences</i> , 10(10), 1212-1235, 2019.
212	R. Saxena & S. Srivastava," An insight into impedimetric immunosensor and its electrical equivalent circuit," <i>Sensors and Actuators B: Chemical</i> , VOL. 297,pp. 126-780, 2019.
213	D. Verma, S. Gupta,R. Saxena,P. Kaur, R. Rachana, S.Srivastava, V. Gupta, "Allosteric inhibition and kinetic characterization of <i>Klebsiella pneumoniae</i> CysE: An emerging drug target." <i>International journal of biological macromolecules</i> . 2019
214	M. Antil, J. Sharma, Y. Brissonnet, M. Choudhary, S. Gouin, & V. Gupta,"Structure-function insights into elusive <i>Mycobacterium tuberculosis</i> protein Rv1916", <i>International journal of biological macromolecules</i> , 141, 927-935, 2019.
215	R. Sharma, R. Raghav, K. Priyanka, P. Rishi,S. Sharma, S. Srivastava & I. Verma,"Exploiting chitosan and gold nanoparticles for antimycobacterial activity of in silico identified antimicrobial motif of human neutrophil peptide-1," <i>Scientific reports</i> , 9(1), 1-14, 2019.
216	Kuldeep Nigam, Atinderpal Kaur, Amit Tyagi, Kailash Manda, ReemaGabrani, Shweta Dang" Baclofen-Loaded Poly (D,L-Lactide-Co-Glycolic Acid) Nanoparticles for Neuropathic Pain Management: In Vitro and In Vivo Evaluation", <i>Rejuvenation research</i> , Vol 22(3), pp. 235-245, Jun 2019
217	A. Negi, & I.P. Sarethy," Microbial Biodeterioration of Cultural Heritage: Events, Colonization, and Analyses," <i>Microbial ecology</i> , 78(4), 1014-1029, 2019.
218	K. Nigam, A. Kaur, A. Tyagi, M. Nematullah, F. Khan, R. Gabrani, S. Dang, "Nose-to-brain delivery of lamotrigine-loaded PLGA nanoparticles", <i>Drug delivery and translational research</i> , pp. 1-12, Mar 2019
219	S. Dubey, S. Saxena, A.S. Chauhan, P. Mathur, V. Rani, & D. Chakrabarty, "Identification and expression analysis of conserved microRNAs during short and prolonged chromium stress in rice (<i>Oryza</i>

	sativa)", Environmental Science and Pollution Research, 27(1), 380-390, 2020.
220	K. Singhal, & S. Mohanty," Genome organisation and comparative genomics of four novel Wolbachia genome assemblies from Indian Drosophila host" Functional & integrative genomics, 19(4), 617-632, 2019.
221	S. Mani, S. N. Rao, & M.K. Kumar, M. K,"Genetic heterogeneity of mitochondrial genome in thiamine deficient Leigh syndrome patients", Journal of the neurological sciences, 404, 91-100, 2019.
222	S. Saxena, P. Mathur, V. Shukla, & V. Rani," Differential expression of novel MicroRNAs from developing fetal heart of Gallus gallus domesticus implies a role in cardiac development," Molecular and cellular biochemistry, 462(1-2), 157-165, 2019.
223	I. Nandi, A. Gupta, VK. Chaudhary, V. Gupta, R. Gabrani*, S. Gupta*, "Expression, purification and functional characterization of recombinant Hyper Variable Region (HVR) of Chikungunya virus nsP3 protein" 3Biotech, vol. 9, pp. 235, June 2019.
224	P. Joshi, A. Gupta, & V. Gupta, V, "Insights into multifaceted activities of CysK for therapeutic interventions", 3 Biotech, 9(2), 44,2019.
225	N. Srivastava, I. Nandi, A. Ibeyaima, S. Gupta, & I.P. Sarethy,"Microbial diversity of a Himalayan forest and characterization of rare actinomycetes for antimicrobial compounds", 3 Biotech, 9(1), 27, 2019.
226	Pooja Upadhyay, Arushi Saxena, Pammi Gauba "Biological Analysis Of Yamuna River " ; Journal of Materials Science and Surface Engineering , 6 (6), 905-908, 2019
227	S.Soni,M.Antil ,V. Gupta , Detrimental Effects of TB on Socioeconomy of South Asia Region:Feasibility of Achieving END TB Target. Journal of Materials Science & Surface Engineering, 6(6): 899-904, 2019
228	K. Chakravarty, & S. Gaur," Role of probiotics in prophylaxis of helicobacter pylori infection", Current pharmaceutical biotechnology, 20(2), 137-145, 2019.
229	D. Verma, M. Antil, & V. Gupta, "Recombinant production of active Streptococcus pneumoniae CysE in E. coli facilitated by codon optimized BL21 (DE3)-RIL and detergent," Preparative Biochemistry and Biotechnology, 49(4), 368-374, 2019.
230	P. Bhardwaj, C. K. Jain, & A. Mathur, "Comparative analysis of saponins, flavonoids, phenolics and antioxidant activities of field acclimatized and in vitro propagated Bacopa monnieri (L.) Pennell from different locations in India." Indian Journal of Experimental Biology, 57 (4), pp259-268, 2019.
231	Priyadarshini ,D. Raizada, P. Kumar,T. Singh,T. Pruthi, A. Negi, L. Nigam, & N. Subbarao,"Exploring the modulatory effect of albumin on calcium phosphate crystallization," Current Science, 117(6), 2019.
232	Atinderpal Kaur, Reema Gabrani, Shweta Dang "Nanoemulsions of Green Tea Catechins and Other Natural Compounds for the Treatment of Urinary Tract Infection: Antibacterial Analysis" Advanced pharmaceutical bulletin, vol. 9(3), pp. 401, 2019

233	N. Gupta, K.A. Skinner, S. Khan, J.N. Edirisinghe, & C.S. Henry, " Draft Genome Sequence of Enterobacter sp. Strain A8, a Carbazole-Degrading Bacterium," <i>Microbiol Resour Announc</i> , 8(18), e00301-19, 2019.
234	M. Singh, " Fabrication, Validation, and Stability Analysis of Melaleuca alternifolia Oil-in-water Microemulsion for Improved Transdermal Application", <i>Asian Journal of Pharmaceutics</i> 13(3), 2019.
235	UL. Raj, M. Gautam, S. Dang, R. Gabrani, "Antibacterial and antibiofilm activities of trans-cinnamaldehyde nanoemulsion against Escherichia coli" <i>Asian J Pharm Clin Res</i> , vol. 12, pp. 301-304, 2019.
236	A. Pant, S. Agarwal & M. Singh, "Bacteriostatic activity of Melaleuca alternifolia loaded Microemulsion targeting microbial skin infection by Topical Deliver," <i>Research Journal of Topical and Cosmetic Sciences</i> , 10(2), pp. 48-56, 2019.
237	G. Agarwal, S. Gupta, R. Gabrani, A. Gupta, VK. Chaudhary, V. Gupta "Virtual screening of inhibitors against Envelope glycoprotein of Chikungunya Virus: a drug repositioning approach" <i>Bioinformation</i> , vol. 15(6), pp. 439-447, June 2019
238	R. Ghildiyal, S. Gupta, R. Gabrani, G. Joshi, A. Gupta, VK. Chaudhary, V. Gupta, "In silico study of chikungunya polymerase, a potential target for inhibitors" <i>Virus Disease</i> , vol. 30(3), pp. 394-402, Sep. 2019
239	Kuldeep Nigam, Reema Gabrani, Shweta Dang "Nano-emulsion from Capsaicin: Formulation and Characterization" <i>Materials Today: Proceedings</i> vol 18, pp869-878, 2019.
240	G. Maheshwari, K. Setia , P. Gauba "Exploring Phytoremediation Potential For Estrogen Hormone" <i>International Journal of Research and Review</i> , Vol.6; Issue 9; September 2019; 195-202
241	Yadav, P., & Kumari, A, Sundari, K S, "ASURE": A Multi-potential Plant Bioassay as a Pre-Determinative Microbial Efficiency Testing Tool for Bioinoculant Studies. <i>MethodsX</i> . 2019
242	K. Singhal, & S. Mohanty, " Detection of Phage and In-Silico Analysis of WO Phage Associated Cif Genes from Wolbachia: A Study Based on Drosophila Model." <i>J.RNA genomics</i> 5, 6. 2019.
243	P K Tripathi, C K Jain, Computational Drug Discovery Based on Natural Products Against Acinetobacter Baumannii, <i>Journal of Materials Science & Surface Engineering</i> , 6(6), 895-898, 2019