

Galgotias College of Engineering and Technology
Department of Applied Sciences
Publications: 2021-22

Sr. No.	Author(s), in sequence as mentioned in the paper	Title	Journal and publisher name	Volume, Issue, ISSN, Page No, Year of Publication	Indexing (SCIE/SSCI/AHCI/ESC I/Scopus)	Impact Factor	Session	DOI
1	Nikhil Kumar, Tanmay Rom, Bidyut Mallick, Rahul Kaushik, Amrita Ghosh, PD Babu, Swarup K Panda, Avijit Kumar Paul	Antiferromagnetically coupled double perovskite as an efficient and robust catalyst for visible light driven water splitting at neutral pH	Physical Chemistry Chemical Physics	24(8), 1463-9084, 5083-5093, 2022	SCIE	2.9	2021-22	DOIhttps://doi.org/10.1039/D1CP04082K
2	Chiranjib Chakraborty, Ashish Ranjan Sharma, Manojit Bhattacharya, Bidyut Mallik, Shyam Sundar Nandi, Sang-Soo Lee	Comparative genomics, evolutionary epidemiology, and RBD-hACE2 receptor binding pattern in B.1.1.7 (Alpha) and B.1.617.2 (Delta) related to their pandemic response in UK and India	Infection, Genetics and Evolution	101, 1567-7257, 105282, 2022	SCIE	2.6	2021-22	https://doi.org/10.1016/j.meegid.2022.105282
3	Manojit Bhattacharya, Ashish Ranjan Sharma, Bidyut Mallick, Sang-Soo Lee, Eun-Min Seo, Chiranjib Chakraborty	B.1.1.7 (Alpha) variant is the most antigenic compared to Wuhan strain, B.1.351, B.1.1.28/triple mutant and B.1.429 variants	Frontiers in Microbiology	13, 1664-302X, 895695, 2022	SCIE	4	2021-22	https://doi.org/10.3389/fmicb.2022.895695
4	Manojit Bhattacharya, Ashish Ranjan Sharma, Pratik Ghosh, Prasanta Patra, Bidyut Mallick, Bidhan Chandra Patra, Sang-Soo Lee, Chiranjib Chakraborty	TN strain proteome mediated therapeutic target mapping and multi-epitopic peptide-based vaccine development for Mycobacterium leprae	Infection, Genetics and Evolution	99, 1567-7257, 105245, 2022	SCIE	2.6	2021-22	https://doi.org/10.1016/j.meegid.2022.105245
5	Mohammad Mahfuz Ali Khan Shawan, Ashish Ranjan Sharma, Manojit Bhattacharya, Bidyut Mallik, Farhana Akhter, Md Salman Shakil, Md Mozammel Hossain, Subrata Banik, Sang-Soo Lee, Md Ashraf Hasan, Chiranjib Chakraborty	Designing an effective therapeutic siRNA to silence RdRp gene of SARS-CoV-2	Infection, Genetics and Evolution	93, 1567-7257, 104951, 2021	SCIE	2.6	2021-22	https://doi.org/10.1016/j.meegid.2021.104951
6	A K Yadav, A Yadav, M Singh, Rajendra Prasad, N Ahamad and K P Singh	Constraining a bulk viscous Bianchi type I dark energy dominated Universe with recent observational data	Physical Review D	104, 1550-7998, 1-13, 2021	SCIE	4.6	2021-22	https://doi.org/10.1103/PhysRevD.104.064044
7	Dr. Preeti Singh Bahadur Dr. Smriti Dwivedi and Ruchira Srivastava	Thrust Investigation on Nanotechnology in Structural Building”	International Journal of Application or Innovation in Engineering & Management	11(4), 2319-4847,39-46, 2022			2021-22	https://doi.org/10.2648/IJAEM.1717.3381
8	Aditya Tiwari, Gargi Tiwari, Rajendra Prasad, Dipendra Sharma	Electro-optical, electronic and conformational transitions of interstellar alkyl molecules at different temperatures: An ab-initio study	Current Research in Green and Sustainable Chemistry	5, 2666-0865, 1-8, 2022	SCOPUS	9.3	2021-22	https://doi.org/10.1016/j.ergsc.2021.100235
9	VK Verma, S Verma	Machine learning applications in healthcare sector An overview.	Materials Today: Proceedings	57 (5), 2214-7853, 2144-2147, 2021			2021-22	https://doi.org/10.1016/j.matpr.2021.12.10
10	S Verma, VK Verma	Shape memory polymers for additive manufacturing: An overview	Materials Today: Proceedings	57(5), 2214-7853, 2077-2081, 2021			2021-22	https://doi.org/10.1016/j.matpr.2021.11.507
11	V. Hima, A.B. Sreebha, Rajendra Prasad, Gargi Tiwari, V.P. Mahadevan Pillai	Fabrication of an efficient green sensitive photopolymer for holographic applications	Materials Today: Elsevier	57(5), 2214-7853, 2031-2035, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.11.165
12	Gaurav Singh, Desh Bandhu Singh, Sanjeev Kumar	Performance analysis of solar energy based passive water purification	Materials Today: Proceedings	57(5), 2031-2035, 2156-2165, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.12.187
13	Ashok Kumar Singh , Gaurav Dwivedi , Bipin Kr. Srivastava , Brij K. Tiwari , P. Kumar , R.K. Yadav , M. Singh , Anoop Kr. Shukla , Gopal Nandan .	Study of analytical observations on energy matrix for solar stills	Materials Today: Proceedings	49(2), 2214-7853, 320-325, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.02.109
14	Monika Singh , Bipin Kumar Srivastava , Shalini Verma , V. Krishna	Relative stability and species formation of Zn(II) ternary complexes involving L-Tryptophan, L- Citrulline, L- Glutamine with biologically active nucleobases Uracil and Thymine in solution,	Materials Today: Proceedings,	57 (5), 2214-7853, 2116-2120, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.12.042

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15	Ashok Kumar Singh, P Kumar, Bipin Kumar Srivastava, R K Yadav, Manvinder Singh	Comparative observation of energy matrix and environ-economy for solar still systems	Materials Today: Proceedings	47 (13), 2214-7853, 3730-3734, 2021			2021-22	https://doi.org/10.1016/j.matpr.2021.02.219
16	Raj Kumar Singh* Amit Misra, Monika Malik, Manvinder Singh, Manisha Gupta.	"Analysis of H-bonded molecular association in formamide with alcohols"	Materials Today: Proceedings,	57 (5), 2214-7853, 2096-2102, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.12.031
17	VS Gupta, P Gupta, R Tripathi, AK Sharma	Effect of various materials used for semitransparent solar panel fitted at roof top of a building	International Conference on Innovation and Application in Science and Technology (ICIAST-2021)	57 (5), 2214-7853, 2067-2072, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.11.268
18	R.K. Mishra, Rajesh Tripathi, V.S. Gupta, V.K. Dwivedi	Expression for the electrical efficiency of photovoltaic modules in different photovoltaic thermal (PVT) configurations	Materials Today: Proceedings	47 (13), 2214-7853, 3754-3760, 2021			2021-22	https://doi.org/10.1016/j.matpr.2021.02.426
19	Sumit Faujdar , Pankaj Pathania , Jyoti Katyal	Systematic investigation of transition metal nitrides (ZrN, TiN) based plasmonic multilayered core-shell nanoparticle for sensing	Materials Today: Proceedings	57 (5), 2214-7853, 2295-2298, 2022			2021-22	https://doi.org/10.1016/j.matpr.2022.01.075
20	V.K. Chopra, R.K. Mishra, V.K. Dwivedi, B. Mohapatra	Exergetic analysis of semi-transparent photovoltaic thermal module	Materials Today: Proceedings	57 (5), 2214-7853, 2289-2294, 2022			2021-22	https://doi.org/10.1016/j.matpr.2022.01.074
21	Vidya Sagar Gupta, V.K. Dwivedi, Rajeev Kumar Mishra, Preeti Gupta	Typical expression of double slope distiller unit incorporated with PVT-CPC	Materials Today: Proceedings	57 (5), 2214-7853, 1955-1961, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.10.125
22	Akansha Agarwal , Soniya Juneja , Smriti Dwivedi, Virendra Kasana	"Molecular docking and antimicrobial analyses of synthesized imidazole derivatives in solvent less condition, adjacent to human pathogenic bacterial strains"	Materials Today: Proceedings	57 (5), 2214-7853, 2250-2254, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.12.452
23	Rajiv Kumar, Dushyant Kumar, Sani Gupta,	Composite character of Fibonacci and two other recursive sequences	AIP Conference Proceedings	2435 (1), 1551-7616, 020056, 2022			2021-22	https://doi.org/10.1063/5.0083870
24	Virender Singh, Dr. Archana Sharma"	A note on Discrete q-Modified Hermite polynomials of Type-I	Materials Today: Proceedings	57 (5), 2214-7853, 2140-2143, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.12.081
25	Kishore Rajeev, Tyagi Indu, Rao Y.S, Kumar Deepak,	Epidemic model on rumor propagation in e-commerce	International Conference on Innovation and Application in Science and Technology	57 (5), 2214-7853, 2056-2060, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.11.263
26	Manju Kashyap & Surbhi Gupta	Performance characteristics and assessment of fire alarm system	Materials Today: Proceedings 25 November 2021	57 (5), 2214-7853, 2036 -2040, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.11.184
27	Sushil Kumar Choudhary, RS Jadoun, Padam Singh	Optimization of EDM process parameters for TWR on machining of Inconel 600 superalloy using Taguchi approach	Materials Today: Proceedings	57 (5), 2214-7853, 2281-2288, 2022			2021-22	https://doi.org/10.1016/j.matpr.2022.01.059
28	Padam Singh, Deepak Kumar, Anita Kumari	Effect of heat and mass transfer in nanofluid flow along a vertical thin needle	Materials Today: Proceedings	57 (5), 2214-7853, 2276-2280, 2022			2021-22	https://doi.org/10.1016/j.matpr.2021.12.574
29	Ashok Kumar Singh, B.K. Srivastava, Vijay Shankar, Rajendra Prasad, R.K. Yada v, Anoop Kumar Shukla, Gopal Nandan, P. Kumar	Energy matrices and enviroeconomical perspective of Solar Decontamination System	Materials Today: Proceedings	46 (21), 2214-7853, 5464-5468, 2021			2021-22	https://doi.org/10.1016/j.matpr.2020.09.198