

Galgotias College of Engineering and Technology

Department of Applied Sciences

Publications: 2022-23

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/ESCI/Scopus)	Impact Factor	Session	DOI
1	Chiranjib Chakraborty, Manojit Bhattacharya, Ashish Ranjan Sharma, Bidyut Mallik	Omicron (B. 1.1. 529)-A new heavily mutated variant: Mapped location and probable properties of its mutations with an emphasis on S-glycoprotein	International Journal of Biological Macromolecules	219, 1879-0003, 980-997,2022	SCIE	7.7	2022-23	https://doi.org/10.1016/j.ijbiomac.2022.07.254
2	Manojit Bhattacharya, Srijan Chatterjee, Bidyut Mallik, Ashish Ranjan Sharma, Chiranjib Chakraborty	Therapeutic role of neutralizing antibody for the treatment against SARS-CoV-2 and its emerging variants: a clinical and pre-clinical perspective	Vaccines	10(10), 2076-393X, 1612, 2022	SCIE	5.2	2022-23	https://doi.org/10.3390/vaccines10101612
3	Razan A. Alshgari, Sarat Chandra Prasad, Bipin Kumar Srivastava, Mohammed Saleh Al Ansari, Parul Gupta, Sivakumar, Saikh Mohammad Wabaidur., Ataul Islam, and Abdi Diriba	Mechanical Evaluation on Carbon/Basalt Fiber-Reinforced Hybrid Polymer Matrix Composite	Hindawi, Advances in Polymer Technology	2022(7742349), 1098-2329, 1-9, 2022	SCIE	2	2022-23	https://doi.org/10.1155/2022/7742349
4	Harishchander Anandaram, Bipin Kumar Srivastava, B. Vijayakumar, P. Madhu, Melvin Victor Depoures, Pravin P. Patil, Sarika Chhabria, Praveen Bhai Patel, S. Prabhakar,	Co-pyrolysis Characteristics and Synergistic Interaction of Waste Polyethylene Terephthalate and Woody Biomass towards Bio-Oil Productio	Hindawi, Journal of Chemistry	2022, 2063-5346, 3699076, 2022	SCIE	2.8	2022-23	https://doi.org/10.1155/2022/3699076
5	Shreya Singh, Rahul Garg, Atanu Jana, Chinna Bathula, Soniya Naik, Mona Mittal	Current developments in nanostructurally engineered metal oxide for removal of contaminants in water	Ceramics International	49 (1), 1873-3956, 7308-7321, 2022	SCIE	5.1	2022-23	https://doi.org/10.1016/j.ceramint.2022.10.183
6	Harshdeep Kaur, Rahul Garg, Sajjan Singh, Atanu Jana, Chinna Bathula, Hyun-Seok Kim, Sangamesh G Kumbar, Mona Mittal	Progress and challenges of graphene and its congeners for biomedical applications: Drug delivery, gene delivery, biosensing, bioimaging, and tissue engineering	Journal of Molecular Liquids	368, 0167-7322, 120703, 2022	SCIE	5.3	2022-23	https://doi.org/10.1016/j.molliq.2022.120703
7	Okon Eddy, Nnabuk, Anduang O. Odiogonyi, Eno E. Ebenso, Rajni Garg, and Rishav Garg	Plant Wastes as Alternative Sources of Sustainable and Green Corrosion Inhibitors in Different Environments	Corrosion Engineering, Science and Technology	58(5), 1743-2782, 521-533, 2023	SCIE	1.5	2022-23	https://doi.org/10.1080/1478422X.2023.2204260
8	Preeti Shrivastava, Lalit Kumer Gupta, Rajendra Prasad, A. J. Khan, G. K. Goswami, Anil Kumar Yadav	Modeling of Bianchi type I accelerating Universe in Lyra's manifold	International Journal of Geometric Methods in Modern Physics	19(12), 0219-8878, 2250197, 2022	SCIE	2.1	2022-23	https://doi.org/10.1142/S0219887822501973
9	Pooja Tiwari, Maged F. Alotaibi, Yas Al-Hadeethi, Vaibhava Srivastava, Bassim Arkook, Sadanand, Pooja Lohia, Dilip Kumar Dwivedi, Ahmad Umar, Hassan Algadi, and Sotirios Baskoutas	"Design and Simulation of Efficient SnS-Based Solar Cell Using Spiro-OMeTAD as Hole Transport Layer"	Nanomaterials	12(14), 2079-4991, 2506, 2022	SCIE	4.4	2022-23	https://doi.org/10.3390/nano12142506
10	Ahmad Umar, P. K. Singh, Sadanand, D. K. Dwivedi, Ahmed A. Ibrahim, Mohsen A. M. Alhamami, Hussam Qasem, Sheikh Akbar, and S. Baskoutas	"Design and Simulation of Lead-Free Perovskite Solar Cells with a Hole Transport Layer Made of NiO Nanocomposite	Science of Advanced Materials	14 (9), 1947-2935, 1511-1517, 2022	SCIE	1.474	2022-23	https://doi.org/10.1166/sam.2022.4368
11	Ahmad Umar, P. Srivastava, Sadanand, Shambhavi Rai, Pooja Lohia, Dilip Kumar Dwivedi, Hassan Algadi, and Sotirios Baskoutas.	High-performance lead-free perovskite solar cell: a theoretical study	Emerging Materials Research	12 (1), 2046-0147, 92-99, 2023	Scopus	2.2	2022-23	https://doi.org/10.1680/jemmr.22.0129
12	Umar, Ahmad, Yadav, Vaishali, Srivastava, Vaibhava ; Sadanand ; Lohia, Pooja ; Dwivedi, D. K. ; Ibrahim, Ahmed A.; Alhamami, Mohsen A. M.; Qasem, Hussam; Akbar, Sheikh	Simulation of Efficient Lead Sulfide Colloidal Quantum Dot Solar Cell using Spiro-OMeTAD as Hole Transport Layer	Science of Advanced Materials	14(11), 1947-2935, 1741-1749, 2022	SCIE	1.474	2022-23	https://doi.org/10.1166/sam.2022.4377

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13	N. O. Eddy, Rajni Garg, Rishav Garg, Samson I. Eze, Emeka Chima Ogoko, Henrietta Ijeoma Kelle, Richard Alexis Ukpe, Raphael Ogbodo, Favour Chijoke	Sol-Gel Synthesis, Computational Chemistry, and Applications of CaO Nanoparticles for the Remediation of Methyl Orange Contaminated Water	Advances in Nano Research	15(1), 2287-2388, 35-48, 2023	SCIE	4.3	2022-23	https://doi.org/10.12989/anr.2023.15.1.035
14	Odoemelam, Steven A, Esther O Oji, Nnabuk Okon, and Eddy Rajni.	Zinc Oxide Nanoparticles Adsorb Emerging Pollutants (Glyphosate Pesticide) from Aqueous Solutions	Environmental Monitoring and Assessment	195, 1573-2959, 658, 2023	SCIE	2.9	2022-23	https://doi.org/10.1007/s10661-023-11255-0
15	Eddy, Nnabuk Okon, Anduang Ofuo Odiongenyi, Rajni Garg, Richard Alexis Ukpe, Rishav Garg, Ahmed El Nemr, Comfort Michael Ngwu, and Imeh Joseph Okop	Quantum and Experimental Investigation of the Application of Crassostrea Gasar (Mangrove Oyster) Shell-Based CaO Nanoparticles as Adsorbent and Photocatalyst for the Removal of Procaine Penicillin from Aqueous Solution	Environmental Science and Pollution Research	30, 1614-7498, 64036-64057, 2023	SCIE	5.8	2022-23	https://doi.org/10.1007/s11356-023-26868-8
16	Garg, Rishav, Rajni Garg, Nnabuk Okon Eddy, Mohd Amir Khan, Afzal Husain Khan, Thamer Alomayri, and Parveen Berwal	Mechanical Strength and Durability Analysis of Mortars Prepared with Fly Ash and Nano-Metakaolin	Case Studies in Construction Materials	18, 2214-5095, e01796, 2023	SCIE	6.5	2022-23	https://doi.org/10.1016/j.cscm.2022.e01796
17	Garg, Rajni, Rishav Garg, Mika Sillanpää, Alimuddin, Mohammad Amir Khan, Nabisab Mujawar Mubarak, and Yie Hua Tan	Rapid Adsorptive Removal of Chromium from Wastewater Using Walnut-Derived Biosorbents	Scientific Reports	13(1), 2045-2322, 6859, 2023	SCIE	3.8	2022-23	https://doi.org/10.1038/s41598-023-33843-3
18	P Sivamurugan, M. Mareeswaran, S. A. Muhammed Abraar, Savita Verma, Neha Verma, Bipin Kumar Srivastava, D. Vinay Kumar, I. S. Chakrapani, B. Ramesh	Development of thermally reduced corn stover biochar and its satin weaved sisal-reinforced vinyl ester composites	Biomass Conversion and Biorefinery	14, 2190-6823, 22329-22337, 2023	SCIE	3.5	2022-23	https://doi.org/10.1007/s13399-023-04273-y
19	SS Nagane, DM Maher, S Verma, AA Talanikar, PP Wadgaonkar	Pendant propargyloxy-functionalized aromatic (co)polycarbonates: synthesis, thermal crosslinking and chemical modification.	Journal of Macromolecular Science, Part A	59(11), 1520-5738, 752-763, 2022	SCIE	2.1	2022-23	https://doi.org/10.1080/10601325.2022.2117055
20	RP MD Gift, S Verma, K Prasad, K Kathiresan	Green Catalytic Pyrolysis: An Eco-friendly route for the production of fuels and chemicals by blending oil industry waste furniture wood.	Journal of Nanomaterials	9381646, 1687-4129, 1-9, 2023	Scopus	-	2022-23	https://doi.org/10.1155/2022/9381646
21	Manju Kashyap, S. Pratap Singh, Surbhi Gupta and Purnima Lala Mehta	Novel Solution for Time-fractional Klein-Gordon Equation with Different Applications	International Journal of Mathematical, Engineering and Management Sciences	8(3), 2455-7749, 537-546, 2023	ESCI	-	2022-23	DOI https://doi.org/10.33889/IJMEMS.2023.8.3.030
22	Sajan Singh, Labeesh Kumar, Andriy Horechyy, Olha Aftenieva, Mona Mittal, Sunita Sanwaria, Rajiv K Srivastava, Tobias AF König, Andreas Fery, Bhanu Nandan	Block Copolymer-Templated Au@CdSe Core-Satellite Nanostructures with Solvent-Dependent Optical Properties	Langmuir	39(17), 1520-5827, 6231-6239, 2023	SCIE	3.7	2022-23	https://doi.org/10.1021/acs.langmuir.3c00479
23	Kushwaha A, Dwivedi Smriti and Prasad R.L	"Vibrational studies of 2,3,5,6-tetrachloro-1,4- benzoquinone and its reactivity: An ab-initio computational method"	Res. J. Chem. Environ	27 (4), 0972-0626, 89-100, 2023	Scopus	-	2022-23	https://doi.org/10.25303/2704rjce0890100
24	Virender Singh, Dr. Archana Sharma, Dr. W, A, Khan	Certain properties and their Volterra Integral equation associated with the second kind Chebyshev matrix polynomials in two variables	Frontiers in Industrial and Applied Mathematics	410, 2194-1017, 49-65, 2023	Scopus	-	2022-23	https://doi.org/10.1007/978-981-19-7272-0_5
25	Tania Sharma, Sushma Yadav, Mona Mittal	Recent advancement in the sustainable synthesis of BiOX (X= I, Br, and Cl) nanomaterials and their applications in the photocatalysis	Materials Today: Proceedings	--	Scopus	-	2022-23	https://doi.org/10.1016/j.matpr.2023.02.209
26	Sunny Dhariwal, Mona Mittal	Wastewater treatment with perovskite-based photocatalysts: Environmental sustainability from a green perspective	Materials Today: Proceedings	--	Scopus	-	2022-23	https://doi.org/10.1016/j.matpr.2023.03.048