Galgotias College of Enginering and Technology

Depertment of Applied Science and Humanities (AS&H)

Journal Paper

S. 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	P. Chauhan, S. Agarwal, V. Srivastava, Sadanand, M. K. Hossain, R. Pandey, J. Madan, P. Lohia, D.K. Dwivedi and M. Amami	Kesterite CZTS based thin film solar cell: Generation, recombination, and performance analysis"	Journal of Physics and Chemistry of Solids	183, Dec, 0022-3697, p.111631(1-12), 2023	SCIE	4	2023-24	https://doi.org/10.1016/j.jpcs.2023.111631
2	Pratibha Chauhan, Surbhi Agarwal, Vaibhava Srivastava, Sadanand , M. Khalid Hossain, Jaya Madan, Rajesh Kumar Yadav, Pooja Lohia, Dilip Kumar Dwivedi, and Asma A. Alothman	Impact on generation and recombination rate in Cu2ZnSnS4 (CZTS) solar cell for Ag2S and In2Se3 buffer layers with CuSbS2 back surface field layer	Progress in Photovoltaics,WILEY	Vol&Issue(in Progress), 1099-159X, 1-16, 2023	SCIE	6.7	2023-24	https://doi.org/10.1002/pip.3743
3	Ashwini Singh, Vaibhava Srivastava, Sachin Singh, Sadanand, Shambhavi Rai, Pooja Lohia, D. K. Dwivedi, Surbhi Agarwal, Mohamed Ouladsmane, M. Khalid Hossain	Optimization of highly efficient inorganic lead free double perovskite solar cells via SCAPS-1D	Journal of Optics	Vol&Issue(in Progress), 0972-8821, 1-13, 2023	ESCI	1.8	2023-24	https://doi.org/10.1007/s12596-023-01440-2
4	Jyoti Singh, Surbhi Agarwal, Vaibhava Srivastava, Sadanand, M. Khalid Hossain, Rahul Pandey, Jaya Madan, Pooja Lohia,D. K. Dwivedi, Mohamed Ouladsmane	Attaining above 30% efficiency of PbS-based colloidal quantum dot solar cell using MoO3 and SnO2 as charge transport layers: a numerical approach	Journal of Optics	Vol&Issue(in Progress), 0972-8821, 1-12, 2023	ESCI	1.8	2023-24	https://doi.org/10.1007/s12596-023-01449-7
5	Shibani Navasakthi, Anuvesh Pandey, Rahul Dandautiya, Murtaza Hasan, Mohammad Amir Khan, Kahkashan Perveen, Shamshad Alam, Rajni Garg, Obaid Qamar	Assessment of Spatial and Temporal Variation in Water Quality	Water, MDPI	Vol. 15, Issue 17, ISSN: 0972-88211, Page no. 3076, year: 2023	SCIE	3.4	2023-24	https://doi.org/10.3390/w15173076
6	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: Techno press journals	Vol. 15, Issue 1, ISSN: 2287-2388, Page No. 35-48, Year: 2023	SCIE	5.7	2023-24	https://doi.org/10.12989/anr.2023.15.1.035
7	V. K. Chopra, Rajeev Kumar Mishra, V. K. Dwivedi, B. Mohapatra	An allusive realization on the performance analysis of glass to glass, glass to tedlar and aluminum base flexible photovoltaic (PV) module	Journal of Thermal Engineering	Vol. 9, No. 4, 2148-7847, pp. 1−12, 2023	ESCI	1.1	2023-24	https://doi.org1/0.18186/thermal.1331944
8	Mona Mittal, Rahul Garg, Atanu Jana	Recent progress in stabilization of low band-gap black-phase iodide perovskite solar cells	Dalton Transactions, Royal Society of Chemistry	Vol 52, Issue 34, 11750-11767	SCI	4	2023-24	https://pubs.rsc.org/en/content/articlelanding/2023/dt/d3dt01581e/unauth
9	A. Anjum, Rajni Garg, M. Kashif, N.O.Eddy	Nano-scale innovations in packaging: Properties, types, and applications of nanomaterials for the future	Food Chemistry Advances	Vol 3, Issue 1	Scopus	0.5	2023-24	https://doi.org/10.1016/j.focha.2023.100560
10	Pal. Vinod	Teaching English Language Writing Skills to the Engineering Students	International Journal for Multidiciplinary Research (IJFMR)	Vol 5, Issue 6,	other	9.24	2023-24	https://www.ijfmr.com/research-paper.php?id=11130
11	Rishav Garg, Rajni Garg, Md Amir Khan, Manjeet Bansal, and Vinod Kumar Garg	Utilization of Biosynthesized Silica-Supported Iron Oxide Nanocomposites for the Adsorptive Removal of Heavy Metal Ions from Aqueous Solutions	Environmental Science and Pollution Research	Voulme 30, Issue 34, pp. 81319–32, ISSN: 1614-7499, Year 2023	SCIE	5.8	2023-24	https://doi.org/10.1007/s11356-022-21111-2
12	Sharma, Rajat, Rajni Garg, Manoj Bali, and Nnabuk O. Eddy	Biogenic Synthesis of Iron Oxide Nanoparticles Using Leaf Extract of Spilanthes Acmella: Antioxidation Potential and Adsorptive Removal of Heavy Metal Ions	Environmental Monitoring and Assessment	Volume 195, Issue 11, ISSN: 1573-2959, Year 2023	SCIE	3	2023-24	https://doi.org/10.1007/s10661-023-11860-z
13	Sharma, Rajat, Rajni Garg, Manoj Bali, and Nnabuk O. Eddy	Potential Applications of Green-Synthesized Iron Oxide NPs for Environmental Remediation	Environmental Monitoring and Assessment	Volume 195, Issue 11, ISSN: 1573-2959, Year 2023	SCIE	3	2023-24	https://doi.org/10.1007/s10661-023-12035-6

14	Eddy, Nnabuk Okon, Richard Alexis Ukpe, Rajni Garg, Rishav Garg, Anduang Odiongenyi, Paul Ameh, Imaobong Nyambi Akpet, and Sunday Emmanson Udo	Review of In-Depth Knowledge on the Application of Oxides Nanoparticles and Nanocomposites of Al, Si and Ca as Photocatalyst and Antimicrobial Agents in the Treatment of Contaminants in Water	Clean Technologies and Environmental Policy	Volume and Issue in progress, ISSN: 1618-9558, Year 2023	SCIE	4.3	2023-24	https://doi.org/10.1007/s10098-023-02603-2
15	Eddy, Nnabuk Okon, Unwana Edo Edet, Joseph Olusola Oladele, Herientta Ijeoma Kelle, Emeka Chima Ogoko, Anduang O. Odiongenyi, Paul Ameh	Synthesis and Application of Novel Microporous Framework of Nanocomposite from Trona for Photocatalysed Degradation of Methyl Orange Dye	Environmental Monitoring and Assessment	Volume 195, Issue 11, ISSN: 1573-2959, Year 2023	SCIE	3	2023-24	https://doi.org/10.1007/s10661-023-12014-x
16	Ansar Anjum, Rajni Garg, Mohd Kashif, Nnabuk Okon Eddy	Nano-scale innovations in packaging : Properties, types, and applications of nanomaterials for the future	Food Chem Adv.	Volume 3, Issue Nov, 100560, ISSN: 2772-753X, year 2023	SCOPUS		2023-24	https://doi.org/10.15446/rcciquifa.v52n2.106817
17	Eddy, Nnabuk Okon, Rajni Garg, Rishav Garg, Richard Alexis Ukpe, and Hillary Abugu	Adsorption and Photodegradation of Organic Contaminants by Silver Nanoparticles: Isotherms, Kinetics, and Computational Analysis	Environmental Monitoring and Assessment	Volume 196, ISSN: 1573-2959, Year 2024	SCIE	3	2023-24	https://doi.org/10.1007/s10661-023-12194-6
18	Eddy, Nnabuk Okon, Richard Alexis Ukpe, Rajni Garg, Rishav Garg, Anduang Odiongenyi, Paul Ameh, and Imaobong Nyambi Akpet	Enhancing Water Purification Efficiency through Adsorption and Photocatalysis: Models, Applications, and Challenges	International Journal of Environmental Analytical Chemistry	Volume & issue in progress, ISSN: 1029-0397, Year 2024	SCIE	2.6	2023-24	https://doi.org/10.1080/03067319.2023.2295934
19	Sharma, Rajat, Suman Lata, and Rajni Garg	Valorisation of Agricultural Waste and Their Role in Green Synthesis of Value-Added Nanoparticles	Environmental Technology Reviews	Volume 13, Issue 1, ISSN: 2162-2523, pp. 40–59, year 2024	SCOPUS		2023-24	https://doi.10.1080/21622515.2023.2283412
20	Sharma, Rakhi & Ram Avtar	The Bhagavad Gita for Engineering Students : Nurturing Leadership Skills	Anhad Lok	Volume 9, Issue 18, ISSN : 2349-137X, pp. 401-408, Year 2024	UGC Care		2023-24	https://vyanjanasociety.com/anhad-lok/