

Galgotias College of Engineering and Technology

Department of Civil Engineering

Journal Paper

S.No.	Author(s), in sequence as mentioned in	Title	Journal and Publisher Name	Volume, Issue,	Indexing	Impact	Session	DOI (in the form of the link)
1	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, Springer	1618-9558, 2023	SCIE	4.3	2023-24	https://link.springer.com/article/10.1007/s10098-023-02603-2
2	Nirala, A., Soren, S., Kumar, N., Khan, M.A., Islam, S. and Khan, N.A.,	Micro-mechanical and tribological behavior of Al/SiC/B4C/CNT hybrid nanocomposite	Scientific Report, Nature	13, 13147, 2045-2322, 2023	SCIE	4.6	2023-24	https://www.nature.com/articles/41598-023-39713-2
3	Singh, Pranjali, Dharmender Singh Saini, S. P. S. Matharu, Anurag Sharma, Meshel Q. Alkahtani, Mohammad Amir Khan, and Saiful Islam	Tribological Performance Evaluation of Greases on a Four-Ball Tester with Graphene Oxide Nanoparticles	ACS Omega, American Chemical Society	34, 31002–31008, 2470-1343, 2023	SCIE	4.1	2023-24	https://doi.org/10.1021/acsomega.3c02704
4	Verma, Deepak, Parveen Berwal, Nakul Gupta, Faisal M. Alfaisal, Mohammad Amir Khan, Shamsad Alam, and Jibrani Qadri	Experimental Investigation of Breach Mechanism for Overtopped Cohesive and Non-Cohesive Embankments	Water, Mdpi	15(17) 2073-4441, 2023	SCIE	3.4	2023-24	https://doi.org/10.3390/w15173030
5	Waghmare, Charuta, Sujesh Ghodmare, Khalid Ansari, Mohammad Hadi Dehghani, Mohammad Amir Khan, Mohd Abul Hasan, Saiful Islam, Nadeem A. Khan, and Sasan Zahmatkesh	Experimental investigation of H3PO4 activated papaya peels for methylene blue dye removal from aqueous solution: Evaluation on optimization, kinetics, isotherm, thermodynamics, and reusability studies	Journal Of Environmental Engineering, Elsevier	345, 1095-8630, 2023	SCIE	8.7	2023-24	https://www.sciencedirect.com/science/article/abs/pii/S0301479723016031
6	Boora, Amardeep, Kavita Rani, Manju Suthar, Rishi Rana, Parveen Berwal, Abdullah Faiz Saeed Al Asmari, Mohammad Amir Khan, and Saiful Islam	Slag and Bagasse Ash: Potential Binders for Sustainable Rigid Pavement	ACS Omega, American Chemical Society	36(8), 2470-1343, 2023	SCIE	4.1	2023-24	https://pubs.acs.org/doi/full/10.1021/acsomega.3c04089
7	Bhat, Nagesh, Shareefraza J. Ukkund, Momin Ashraf, Krishnaraja Acharya, Naveenkumar J. Ramegouda, Prasad Puthiyillam, Mohd Abul Hasan	GO/CuO Nanohybrid-Based Carbon Dioxide Gas Sensors with an Arduino Detection Unit	ACS Omega, American Chemical Society	36(8), 2470-1343, 2023	SCIE	4.1	2023-24	https://pubs.acs.org/doi/full/10.1021/acsomega.3c02598
8	Puri, Diksha, Daeho Lee, Dhananjay Vasant Khankal, Mohindra Singh Thakur, Faisal M. Alfaisal, Shamsad Alam, Raj Kumar, and Mohammad Amir Khan	Decision Tree-Based Modeling of the Aeration Effectiveness of Circular Plunging Jets	ACS Omega, American Chemical Society	42(8), 2470-1343, 2023	SCIE	4.1	2023-24	https://doi.org/10.1021/acsomega.3c03375
9	Kushwah, Vinod Kumar, Kunwar Raghvendra Singh, Nakul Gupta, Parveen Berwal, Faisal M. Alfaisal, Mohammad Amir Khan, Shamsad Alam, and Obaid Qamar	Assessment of the Surface Water Quality of the Gomti River, India, Using Multivariate Statistical Methods	Water, Mdpi	15(20) 2073-4441, 2023	SCIE	3.4	2023-24	https://doi.org/10.3390/w15203575
10	Sathe, Sandeep, Muhammed Zain Kangda, Mohammad Amir Khan, Yousef R. Alharbi, and Obaid Qamar.	Structural Performance of Ferrocement Panels under Low-and High-Velocity Impact Load	ACS Omega, American Chemical Society	44 (8), 2470-1343, 2023	SCIE	4.1	2023-24	https://doi.org/10.1021/acsomega.3c03726
11	Sahoo, Niranjan, and Anil Kumar	Design of solar cement plant for supplying thermal energy in cement production	Journal of Cleaner Production, Elsevier	426, 0959-6526, 2023	SCIE	11.1	2023-24	https://doi.org/10.1016/j.jclepro.2023.139151

12	Sahoo, Niranjana, and Anil Kumar.	Potential of solar thermal calciner technology for cement production in India and consequent carbon mitigation	Process Safety and Environmental Protection Elsevier	179, 1744-3598, 2023	SCIE	7.8	2023-24	https://doi.org/10.1016/j.psep.2023.09.041
13	Navasakthi, Shibani, Anuvash Pandey, Rahul Dandautiya, Murtaza Hasan, Mohammad Amir Khan, Kahkashan Perveen, Shamshad Alam, Rajni Garg, and Obaid Qamar	Assessment of Spatial and Temporal Variation in Water Quality for the Godavari River	Water, Mdpi	15(17) 2073-4441,2023	SCIE	3.4	2023-24	https://doi.org/10.3390/w15173076
14	Khan, Nadeem A., Eduardo Alberto López-Maldonado, Abhradeep Majumder, Simranjeet Singh, Radhika Varshney, J. R. López, P. F. Méndez et al.	A state-of-art-review on emerging contaminants: Environmental chemistry, health effect, and modern treatment methods	Chemosphere, Elsevier	344, 1879-1298, 2023	SCIE	8.8	2023-24	https://doi.org/10.1016/j.chemosphere.2023.140264
15	Kumar, Navin, Shatrughan Soren, Akhileshwar Nirala, Naif Almakayel, T. M. Yunus Khan, and Mohammad Amir Khan	Distribution of Carbon Nanotubes in an Aluminum Matrix by a Solution-Mixing Process	ACS Omega, American Chemical Society	37(8), 2470-1343,2023	SCIE	4.1	2023-24	https://doi.org/10.1021/acsomega.3c04531
16	Rao, P.M., Dhoria, S.H., Patro, S.G.K., Gopidesi, R.K., Alkahtani, M.Q., Islam, S., Vijaya, M., Jayanthi, J.L., Khan, M.A., Razak, A. and Kumar, R.	Artificial intelligence based modelling and hybrid optimization of linseed oil biodiesel with graphene nanoparticles to stringent biomedical safety and environmental standards	Case Study In Thermal Engineering	51, 2214-157X, 2023	SCIE	6.8	2023-24	https://doi.org/10.1016/j.csite.2023.103554
17	Rana, Rishi, Anshul Kalia, Amardeep Boora, Faisal M. Alfaisal, Raied Saad Alharbi, Parveen Berwal, Shamshad Alam, Mohammad Amir Khan, and Obaid Qamar	Artificial Intelligence for Surface Water Quality Evaluation, Monitoring and Assessment	Water, Mdpi	15(22), 2073-4441,2023	SCIE	3.4	2023-24	https://doi.org/10.3390/w15223919
18	Alsaffar, Abdul Kareem K., Saif S. Alqazweeni, Lubna R. Al-Ameer, Abduljabar H. Ali, Ahmed Mohamed, Humoud M. Aldaihani, A. Reham et al.	Development of eco-friendly wall insulation layer utilising the wastes of the packing industry	Heliyon, Elsevier	2405-8440,2023	SCIE	4	2023-24	https://doi.org/10.1016/j.heliyon.2023.e21799
19	Abhay Patil, Vivek Jayale, Krishna Prakash Arunachalam, Khalid Ansari, Siva Avudaiappan, Dhiraj Agrawal, A.M. Kuthe, Yousef R. Alharbi, Mohammad Amir Khan	Performance Analysis of Self-Compacting Concrete with Use of Artificial Aggregate and Partial Replacement of Cement by Fly Ash	Building , MDPI	14(3), 143, 2023	SCIE	3.8	2023-24	https://doi.org/10.3390/buildings14010143
20	Grmasha, Ruqayah Ali, Osamah J. Al-Sareji, Mónica Meiczinger, Csilla Stenger-Kovács, Raed A. Al-Juboori, Miklós Jakab, Edina Lengyel, Viola Somogyi, Mohammad Amir Khan, and Khalid S.	A sustainable nano-hybrid system of laccase@M-MWCNTs for multifunctional PAHs and PhACs removal from water, wastewater, and lake water	Environmental Research	Vol 246 2024	SCIE	8.3	2023-24	https://doi.org/10.1016/j.envres.2024.118097
21	Sharma, U., Gupta, N., Bahrami, A., Özkılıç, Y.O., Verma, M., Berwal, P., Althaqafi, E., Khan, M.A. and Islam, S.	Behavior of Fibers in Geopolymer Concrete: A Comprehensive Review	Building , MDPI	14(1), 136	SCIE	3.8	2023-24	https://doi.org/10.3390/buildings14010136
22	Hota, Amrutashree, S. Gopal Krishna Patro, Sanjaya Kumar Panda, Mohammad Amir Khan, Mohd Abul Hasan, Saiful Islam, Majed Alsubih, Nadeem A. Khan, and Sasan Zahmatkesh	Removing fluoride ions from wastewater by Fe3O4 nanoparticles: Modified Rhodophytes (red algae) as biochar024.104776	Journal of Water Process Engineering, Elsevier	8(1) , 2024	SCIE	7	2023-24	https://doi.org/10.1016/j.jwpe.2024.104776
23	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	2023	SCIE	2.6	2023-24	https://doi.org/10.1080/03067319.2023.2295934

24	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, Springer	196(65), 2023	SCIE	3	2023-24	https://link.springer.com/article/10.1007/s10661-023-12194-6
25	Eddy, N. O., Edet, U. E., Oladele, J. O., Kelle, H. I., Ogoko, E. C., Odiongenyi, A. O., ... & Garg, R	Synthesis and application of novel microporous framework of nanocomposite from trona for photocatalysed degradation of methyl orange dye	Environmental Monitoring and Assessment, Springer	195, no. 12 (2023): 1416.	SCIE	3	2023-24	https://link.springer.com/article/10.1007/s10661-023-12014-x