

SCI Index Journal Papers (2023-24)

Sr. No	Authors	Title	Journal and publisher name	Volume, Issue, ISSN, Page No, Year of Publication	Indexing (SCIE/SSCI/AHCI/ESCI/Scopus), if not index, write no	Impact Factor (Clarivate or equivalent agency only)	Department in abbreviation	Session	DOI (in the form of link)
1	Pratibha Chauhan, Surbhi Agarwal, Vaibhava Srivastava, Sadanand, M. Khalid Hossain, Rahul Pandey, Jaya Madan, Pooja Lohia, D.K. Dwivedi, Mongi 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	AS&H	2023-24	https://doi.org/10.1016/j.jpchs.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. Alotman	Impact on generation and recombination rate in Cu ₂ ZnSnS ₄ (CZTS) solar cell for Ag ₂ S and In ₂ Se ₃ buffer layers with CuSbS ₂ back surface field layer	Progress in Photovoltaics, WILEY	Vol&Issue (in Progress), 1099-159X, 1-16, 2023	SCIE	6.7	AS&H	2023-24	https://doi.org/10.1002/pip.3743
3	Shibani Navasakthi, Anuvash 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	AS&H	2023-24	https://doi.org/10.3390/w15173076
4	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	AS&H	2023-24	https://doi.org/10.12989/anr.2023.151.035
5	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	AS&H	2023-24	https://pubs.rsc.org/en/content/articlelanding/2023/dt/d3dt01581e/unauth
6	Kinjjal Pandey, Sadanand, Pratap Kumar Dakua, Deepak Kumar Panda, Pravin Kumar Singh, and B. K. Pandey.	Investigation of suitable buffer layer for PbS-TBAI/PbS-EDT colloidal quantum dot solar cell using SCAPS-1D	Optik	Volume 298, ISSN:00304026, 171593, 2024	SCIE	2.8	AS&H	2023-24	
7	Pratap Kumar Dakua, Deepak Kumar Panda, Savita Kashyap, Abdelmoumene Laidouci, and Sadanand	Simulation and numerical modeling of high-efficiency CZTS solar cells with a BSF layer	International Journal of Numerical Modelling	Vol&Issue (in Progress), ISSN:08943370, 2023	SCIE	1.4	AS&H	2023-24	
8	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	Volume 30, Issue 34, pp. 81319-32, ISSN: 1614-7499, Year 2023	SCIE	5.8	AS&H	2023-24	https://doi.org/10.1007/s11356-022-21111-2
9	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	AS&H	2023-24	https://doi.org/10.1007/s10661-023-11860-z

10	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	AS&H	2023-24	https://doi.org/10.1007/s10661-023-12035-6
11	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	AS&H	2023-24	https://doi.org/10.1007/s10098-023-02603-2
12	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	AS&H	2023-24	https://doi.org/10.1007/s10661-023-12014-x
13	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	AS&H	2023-24	https://doi.org/10.1007/s10661-023-12194-6
14	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	AS&H	2023-24	https://doi.org/10.1080/03067319.2023.2295934
15	Uttam Saha, Tanmay Rom, Rahul Sakla, Amrita Ghosh, Bidyut Mallick, Swarup K Panda, Pradip K Maji, Avijit Kumar Paul	Investigation of the Role of 3d-4d Elements in a Disordered Double Perovskite toward Efficient Photocatalytic Energy Conversion and Electrochemical Energy-Storage Behaviors	ACS Applied Energy Materials	Volume 7, Issue 6, ISSN No. 2574-0962 PP. 2241-2254, Year 2024	SCIE	6.4	AS&H	2023-24	https://doi.org/10.1021/acs.aem.3c02964
16	Eddy, Nnabuk Okon, Rajni Garg, Richard Alexis Ukpe, Paul Ocheje Ameh, Rishav Garg, Musa Runde, Iliya Dimas Kwanchi	Application of Periwinkle Shell for the Synthesis of Calcium Oxide Nanoparticles and in the Remediation of Pb ²⁺ -Contaminated Water.	Biomass Conversion and Biorefinery	Vol. 1. no. 0123456789.	SCIE	4	ASH	2023-24	https://doi.org/10.1007/s13399-024-05285-y
17	Garg, Rajni, Mona Mittal, Smriti Tripathi, and Nnabuk Okon Eddy.	Core to Concept: Synthesis, Structure, and Reactivity of Nanoscale Zero-Valent Iron (NZVI) for Wastewater Remediation.	Environmental Science and Pollution Research	no. 0123456789. Springer Berlin Heidelberg.	SCIE	5.8	ASH	2023-24	doi:10.1007/s11356-024-33197-x
18	Nishant Singla, Mukesh Kumar Gupta, Mukesh Kumar, Manvinder Singh, Anil Kumar Yadav,* G. K. Goswami and Rajendra Prasad*	Redshift Drift in the Universe: Theoretical Features and Observational Constraints	Gravitation & Cosmology, Springer	Volume 30. No 2, pp 211-221, 2024	SCIE	1.202	ASH	2023-24	https://doi.org/10.1134/S022289324700105
19	Rohan G. Raikar, Muhammed Zain Kangda, Sandeep Sathe, Mohammad Amir Khan, Abdullah Naser M. Asiri, Saiful Islam, Salah Jasim Mohammed, Ali Majidi	Enhancement of the structural behavior of elevated water tanks using X-plate dampers	Journal of Constructional Steel Research	2024	SCIE	4.2	CE	2023-24	https://www.sciencedirect.com/science/article/abs/pii/S0143974X2400436X?via%3DIuhub

20	Bansal, M., Bansal, M., Bahrami, A., Krishan, B., Garg, R., Özkılıç, Y. O., & Althaqafi, E.	Influence of pozzolanic addition on strength and microstructure of metakaolin-based concrete	Plos one	2024	SCIE	4.1	CE	2023-24	https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0298761
21	Waghmare, C., Ghodmare, S., Ansari, K., Alfaisal, F. M., Alam, S., Khan, M. A., & Ezaier, Y.	Adsorption of methylene blue dye onto phosphoric acid-treated pomegranate peel adsorbent: Kinetic and Thermodynamic studies	Desalination and Water Treatment	2024	SCIE	1	CE	2023-24	https://www.sciencedirect.com/science/article/pii/S1944398624004399
22	Hasan, M. S. U., Rai, A. K., Fatma, A., Nawaz, N., Aldrees, A., Khan, M. A., & Majdi, A	Assessment of future trends and spatial orientation of groundwater resources as an essential climate variable in the Ganga Basin	Groundwater for Sustainable Development	2024	SCIE	4.9	CE	2023-24	https://www.sciencedirect.com/science/article/abs/pii/S2352801X24001243
23	Alruqi, M., Sharma, P., Algburi, S., Khan, M. A., Alsubih, M., & Islam, S.	Biomass Energy Transformation: Harnessing the Power of Explainable AI to Unlock the Potential of Ultimate Analysis Data	Environmental Technology & Innovation	2024	SCIE	6.7	CE	2023-24	https://www.sciencedirect.com/science/article/pii/S2352186424001287
24	Reddy, Y. Ramalinga, Alaa Hussein Nassar, Mohd Zain Kangda, H. J. Yashwanth, Mohammad Amir Khan, Abdullah Naser M. Asiri, Saiful Islam, and Sameer Algburi	Symbiotic Impact of Carbon Quantum Dots on Microstructural Development and Mechanical Behaviour of Cement Mortars Symbiotic Impact of Carbon Quantum Dots on Microstructural Development and Mechanical Behaviour of Cement Mortars	Case Studies in Construction Materials	2024	SCIE	6.5	CE	2023-24	https://www.sciencedirect.com/science/article/pii/S2214509524001931
25	Sudhir, S., Soren, S., Chowdhury, G. M., Jaiswal, R. K., Nirala, A., Khan, M. A., ... & Algburi, S.	Utilization of Rice Husk Substituting Fossil Fuel for Pelletization Process of Goethite Iron Ore	Environmental Technology & Innovation	2024	SCIE	6.7	CE	2023-24	https://www.sciencedirect.com/science/article/pii/S2352186424000737
26	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	2023	SCIE	4.3	CE	2023-24	https://doi.org/10.1016/j.jpcs.2023.111631
27	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	2023	SCIE	4.6	CE	2023-24	https://doi.org/10.1002/pip.3743
28	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	2023	SCIE	4.1	CE	2023-24	https://doi.org/10.1007/s12596-023-01440-2
29	Verma, Deepak, Parveen Berwal, Nakul Gupta, Faisal M. Alfaisal, Mohammad Amir Khan, Shamshad Alam, and Jibran Qadri	Experimental Investigation of Breach Mechanism for Overtopped Cohesive and Non-Cohesive Embankments	Water, Mdpi	2023	SCIE	3.4	CE	2023-24	https://doi.org/10.1007/s12596-023-01449-7

30	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	2023	SCIE	8.7	CE	2023-24	https://doi.org/10.3390/w15173076
31	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	2023	SCIE	4.1	CE	2023-24	https://doi.org/10.12989/ans.2023.151.035
32	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	2023	SCIE	4.1	CE	2023-24	https://doi.org/10.18186/thermal.1331944
33	Puri, Diksha, Daeho Lee, Dhananjay Vasant Khankal, Mohindra Singh Thakur, Faisal M. Alfaisal, Shamshad Alam, Raj Kumar, and Mohammad Amir Khan	Decision Tree-Based Modeling of the Aeration Effectiveness of Circular Plunging Jets	ACS Omega, American Chemical Society	2023	SCIE	4.1	CE	2023-24	https://pubs.rsc.org/en/content/articlelanding/2023/dt/d3dt01581e/unauth
34	Kushwah, Vinod Kumar, Kunwar Raghvendra Singh, Nakul Gupta, Parveen Berwal, Faisal M. Alfaisal, Mohammad Amir Khan, Shamshad Alam, and Obaid Qamar	Assessment of the Surface Water Quality of the Gomti River, India, Using Multivariate Statistical Methods	Water, Mdpi	2023	SCIE	3.4	CE	2023-24	https://doi.org/10.1016/j.focha.2023.100560
35	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	2023	SCIE	4.1	CE	2023-24	https://www.ijfmr.com/research-paper.php?id=11130
36	Sahoo, Niranjan, and Anil Kumar	Design of solar cement plant for supplying thermal energy in cement production	Journal of Cleaner Production, Elsevier	2023	SCIE	11.1	CE	2023-24	
37	Sahoo, Niranjan, and Anil Kumar.	Potential of solar thermal calciner technology for cement production in India and consequent carbon mitigation	Process Safety and Environmental Protection Elsevier	2023	SCIE	7.8	CE	2023-24	
38	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	2023	SCIE	3.4	CE	2023-24	https://doi.org/10.1007/s11356-022-21111-2
39	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	2023	SCIE	8.8	CE	2023-24	https://doi.org/10.1007/s10661-023-11860-z
40	Kumar, Navin, Shatrughan Soren, Akhileshwar Nirala, Naif Almakayeel, 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	2023	SCIE	4.1	CE	2023-24	https://doi.org/10.1007/s10661-023-12035-6
41	Rao, P.M., Dhoria, S.H., Patro, S.G.K., Gopidesi, R.K., Alkhtani, 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	2023	SCIE	6.8	CE	2023-24	https://doi.org/10.1007/s10098-023-02603-2
42	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	2023	SCIE	3.4	CE	2023-24	https://doi.org/10.1007/s10661-023-12014-x
43	Alsaffar, Abdul Kareem K., Saif S. Alquzweeni, 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	2023	SCIE	4	CE	2023-24	https://doi.org/10.15446/rcciquifa.v52n2.106817

44	Abhay Patil, Vivek Jayale, Krishna Prakash Arunachalam, Khalid Ansari, Siva Avudaippan, 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	2023	SCIE	3.8	CE	2023-24	https://doi.org/10.1007/s10661-023-12194-6
45	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. Hashim	A sustainable nano-hybrid system of laccase@M-MWCNTs for multifunctional PAHs and PhACs removal from water, wastewater, and lake water	Environmental Research	2023	SCIE	8.3	CE	2023-24	https://doi.org/10.1080/103067319.2023.2295934
46	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	2023	SCIE	3.8	CE	2023-24	https://doi.org/10.1080/021622515.2023.2283412
47	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	2023	SCIE	7	CE	2023-24	https://vyanjanasociety.com/anhad-look/
48	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	CE	2023-24	https://doi.org/10.34049/bcc.55.A.0041
49	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	2023	SCIE	3	CE	2023-24	https://doi.org/10.3390/poly16020294
50	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	2023	SCIE	3	CE	2023-24	https://doi.org/10.1021/acs.aem.3c02964
51	Aggarwal, M., Anbukumar, S. and Kumar, T.V., 2023	Analysis and pollution assessment of heavy metals in suspended solids of the middle stretch of river Ganga between Kanpur to Prayagraj, U.P., India	Sadhana	2023	SCIE	1.6	CE	2023-24	https://doi.org/10.1016/j.jgeb.2023.100347
52	Singhal, S., Gupta, N., Berwal, P., hasan Naveed, Q.N., Lasisi, A. and Wodajo, A.W., 2023	Energy Efficient Resource Allocation in Cloud Environment Using Metaheuristic Algorithm	IEEE Access	2023	SCIE	3.9	CE	2023-24	
53	Sahoo, N. and Kumar, A., 2023	Potential assessment of solar industrial process heating and CO2 emission reduction for Indian cement industry	solar compass	2023	SCIE		CE	2023-24	
54	Eddy, N.O., Garg, R., Ukpe, R.A., Ameh, P.O., Garg, R., Runde, M., Kwanchi, I.D., Wabaidur, S.M., Aftab, S., Ogbodo, R. and Aikoye, A.O., 2024	Application of periwinkle shell for the synthesis of calcium oxide nanoparticles and in the remediation of Pb2+-contaminated water	Biomass Conversion and Biorefinery	2023	SCIE	4	CE	2023-24	https://doi.org/10.1007/s13399-024-05285-y
55	Kukkala, P.C., Kumar, S., Nirala, A., Khan, M.A., Alkahtani, M.Q. and Islam, S., 2024	Beneficiation of Low-Grade Hematite Iron Ore Fines by Magnetizing Roasting and Magnetic Separation	ACS Omega, American Chemical Society	2023	SCIE	4	CE	2023-24	https://doi.org/10.15446/rcciquifa.v52n2.106817
56	Dr. Arun Kumar Rana	IoT-based energy efficient and longer lifetime compression approach for healthcare applications	Transactions on Emerging Telecommunications Technologies	2023	SCI	4	CSE	2023-24	DOI: 10.1002/ett.4843
57	Dr. Arun Kumar Rana	Decentralized Model to Protect Digital Evidence via Smart Contracts Using Layer 2 Polygon Blockchain	IEEE Access	2023	SCI	3.9	CSE	2023-24	10.1109/ACCESS.2023.3302771

58	Arti Ranjan	"Video-Captioning Evaluation Metric for Segments (VEMS): A Metric for Segment-level Evaluation of Video Captions with Weighted Frames", has been accepted for publication in "Multimedia Tools and Applications"	Multimedia Tools and Applications	2023	SCIE	3.6	CSE	2023-24	https://doi.org/10.1007/s11042-023-17328-z
59	Vinit Kumar	A secure system for digital video applications using an intelligent crypto model	Multimedia Tools and Applications	2023	SCIE	3.6	CSE	2023-24	https://doi.org/10.1007/s11042-023-16223-x
60	Vinit Kumar	Development of vanilla LSTM based stuttered speech recognition system using bald eagle search algorithm	Signal, Image and Video Processing	2023	SCIE	2.3	CSE	2023-24	https://doi.org/10.1007/s11760-023-02639-3
61	Vijay Shanker Chaudhary	Advanced Refractive Index Sensor Based on Photonic Crystal Fiber with Elliptically Split Cores	Optical and Quantum Electronics	2023	SCIE	3	CSE	2023-24	https://doi.org/10.1007/s11082-023-05516-y
62	Yash Veer Singh, Vishnu Sharma	An Intelligent Bio-Inspired Autonomous Surveillance System Using Underwater Sensor Networks	SCIE, Sensors, MDPI, Impact factor:- 3.9 Open Access, Q1	2023	SCIE	3.9	CSE	2023-24	https://doi.org/10.3390/s23187839
63	Aditya Dev Mishra	" Security requirements specification by formal methods: a research metadata analysis"	Multimedia Tools and Applications,	2023	SCIE	3.76,Q1	CSE	2023-24	https://doi.org/10.1007/s11042-023-17218-4
64	Sachi Gupta	An effective fuzzy based segmentation and twin attention based convolutional gated recurrent network for skin cancer detection	Multimedia Tools and Applications	2023	SCIE	3.6	CSE	2023-24	https://doi.org/10.1007/s11042-023-17538-5
65	Maksud Alam	CSRR loaded Multiband THz MIMO Antenna for Nano-Communications and Bio-Sensing Applications	Nano Communication Network	2023	SCI	2.9	CSE	2023-24	https://doi.org/10.1016/j.ncom.2023.100481
66	Dr. Arun Kumar Rana	Secure and resilient improved image steganography using hybrid fuzzy neural network with fuzzy logic	Journal of Safety Science and Resilience, Elsevier	2024	SCI	6.4	CSE	2023-24	10.1016/j.jnssr.2023.12.003
67	Sachin Kumar	Proxy re-encryption with plaintext checkable encryption for integrating digital twins into IIoT	Computers and Electrical Engineering, Elsevier	2024	SCIE	4.3	CSE	2023-24	https://doi.org/10.1016/j.compeleceng.2024.109164
68	Sachin Kumar	Equality Test Public Key Encryption With Cryptographic Reverse Firewalls for Cloud-Based E-Commerce	IEEE Transactions on Consumer Electronics	2024	SCIE	4.3	CSE	2023-24	10.1109/TCE.2024.3405496
69	Sachin Kumar	Efficient plaintext checkable identity-based signcryption in cyber-physical systems towards IIoT	Transactions on Emerging Telecommunications Technologies	2024	SCIE	3.31	CSE	2023-24	https://doi.org/10.1002/ett.4990
70	Sachi Gupta	Depression detection using cascaded attention based deep learning framework using speech data	Multimedia Tools and Applications	2024	SCIE	3.6	CSE	2023-24	https://doi.org/10.1007/s11042-023-18076-w
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73	Nitin Garg, Ashish Pandey, Avani Kumar Pandey, Ashutosh Tyagi, Aniket Pratap Singh	Impact of temperature variation on linearity parameters of nanotube surrounding gate (NT-SG) MOSFETs	International Journal of Numerical Modelling, Wiley	International Journal of Numerical Modelling, Wiley	SCI	1.436	ECE	2023-24	https://doi.org/10.1002/jnm.3199
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78	C. Bajaj, D.K. Upadhyay, Sachin Kumar, B.K. Kanaujia	GPS-Integrated RFID Antenna with AMC Backing for IoT-Based Sensing and Tracking Applications	IEEE Transactions on Antennas and Propagation	vol. 72, no. 2, pp. 1929–1934, 2024	SCI	5.7	ECE	2023-24	doi: 10.1109/TAP.2023.3332481
79	N. Singh, T. Khan, Sachin Kumar, B.K. Kanaujia, H.C. Choi, K.W. Kim, K. Rambabu, S.R. Rengarajan, A.A. Kishk	Ultra-Thin Flexible Rectenna Integrated with Power Management Unit for Wireless Power Harvester/Charging of Smartwatch/Wristband	Scientific Reports, Nature	vol. 14, Article ID 7447, 2024	SCI	4.6	ECE	2023-24	10.1038/s41598-024-57639-1
80	L. Harlan, V. Kaim, Sachin Kumar, M. Susila, S.K. Palaniswamy, B.K. Kanaujia	Conformal wideband ingestible capsule MIMO antenna system for multi-channel communication in biotelemetry	AEU–International Journal of Electronics and Communications	vol. 178, Article ID 155305, 2024	SCI	3.2	ECE	2023-24	10.1016/j.aue.2024.155305
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84	M.J. Kim, J.S. Lee, B.C. Min, J.S. Choi, Sachin Kumar, H.C. Choi, K.W. Kim	Ultra-Wideband Vertical Transition in Coplanar Stripline for Ultra-High-Speed Digital Interfaces	Sensors	vol. 24, no. 10, Article ID 3233, 2024	SCI	3.9	ECE	2023-24	10.3390/s24103233
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93	Dr. Nitesh Kumar Singh	Design and performance evaluation of eco-friendly FASnI3/CsSn0.5Ge0.5I3 based perovskite solar cell with distinct charge transport layer: A computational modeling	SCI, Solar Energy Journal, Non Open Access (Unpaid Journal), Impact Factor: 6.7, Q1	Vol. 268, 112256, 2024, ISSN No. 1471-1257	SCI	6.7	EE	2023-24	https://doi.org/10.1016/j.solener.2023.112256
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