

Publications

<u>Authors</u>	<u>Title</u>	<u>DOI</u>	<u>Document Type</u>	<u>Source</u>
<u>Year 2026</u>				
Joshi, D.C.; Prasad, S.; Bhati, V.; Sharma, P.K.; Joshi, N.; Durgapal, S.; Chavan, M.B.; Maurya, V.K.; Subramaniyan, V.; Paudel, K.R.; Gupta, M.	Revolutionizing cancer treatment: Nanotherapeutics targeting the tumor micro-environment	10.1016/j.colsurf b.2025.115204	Review	Scopus
Patel, N.; Gupta, A.; Mishra, R.; Menon, S.V.; Ray, S.; Pandey, S.N.; Goyal, K.; Ali, H.; Maji, C.; Rekha, A.; Gupta, G.; Hussain, M.S.	Mesothelin in pancreatic cancer: clinical applications and analytical considerations	10.1016/j.cca.2025.120686	Review	Scopus
Samuel, V.P.; Afzal, M.; Babu, M.A.; Malathi, M.; Maharana, L.; Pandey, S.N.; Ali, H.; Kumbhar, P.S.; Goyal, K.; A.; Gupta, G.; Singh, S.K.	Thymidine kinase 1 (TK1) as a proteomic biomarker in cancer	10.1016/j.cca.2025.120696	Article	Scopus
Gakhar, P.; Kaushik, E.; Srivastava, M.; Sharma, S.K.; Raj, A.	Intelligent Prediction of Battery State of Charge and Health Using LSTM Networks for Enhanced Energy Management in Electric Vehicles	10.1007/978-981-96-7760-3_33	Conference Paper	Scopus
Jain, V.; Singh, B.; Choudhary, N.	Docker-Based Virtualization for Cyber-Physical Systems: A Comparative Analysis	10.1007/978-3-031-95540-2_28	Conference Paper	Scopus
<u>Year 2025</u>				
Singh, D.; Vora, T.; Ganesan, S.; Bhardwaj, C.K.; Ray, S.; Singh, U.; Al-Hasnaawei, S.; Kaur, I.; Sharma, G.C.; Devi, A.	Cobalt nanoferrites and their composites: Advanced materials for water purification	10.1016/j.molstruc.2025.143395	Review	Scopus
Yappalparvi, A.; Khatib, M.N.; Balaraman, A.K.; Rekha, M.M.; Kaur, M.; Sharma, G.C.; Sudan, P.; Naidu, K.S.; Singh, R.; Ramashankar, S.; Khati, K.; Chauhan, S.S.; Verma, L.; Sidhu, A.; Mehta, R.; Sah, R.; Gaidhane, A.M.; Shabil, M.; Chipeta, J.C.; Bushi, G.	Prevalence of Mpox vaccine acceptance and hesitancy among people living with HIV: a comprehensive systematic review and meta-analysis	10.1186/s12981-025-00726-8	Review	Scopus
Ordóñez, C.; Ekwok, S.E.; Alkhayaat, A.; Bains, P.S.; Sharma, R.; Kumar, R.; Kulshreshta, A.; Mann, V.S.; Elmasry, Y.	Correction to: Delineation of mineralization-related geologic structures and lithological units using airborne magnetic and radiometric data (Geomechanics and Geophysics for Geo-Energy and Geo-Resources, (2024), 10, 1, (184),	10.1007/s40948-025-00934-6	Erratum	Scopus

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Yu, J.; Mohammad, S.N.; Khachatryan, L.G.; Jaafaru, J.S.; Menon, S.V.; Kaur, M.; Sapaev, I.; Jabir, M.S.; Hussien, B.; Azizi, H.	Risk of suicide, suicide attempt, and suicidal ideation among people with vitamin D deficiency: a systematic review and meta-analysis	10.1186/s12888-025-06613-w	Review	Scopus
Saadh, M.J.; Dhiaa, S.M.; Bansal, P.; Dabis, H.K.; Katyal, A.; Saraswat, V.; Ibrahim, A.A.; Kadem, R.U.; Ubaid, M.	The Role of Gut Microbiota-derived Short Chain Fatty Acids in Amyotrophic Lateral Sclerosis	10.1007/s40473-024-00292-9	Article	Scopus
Kumar, R.; Mehta, R.; Bhatnagar, A.; Ozsahin, I.; Uzun, B.; Almohsen, B.; Ahmad, H.	Numerical Study of Williamson Fluid Flow over a Stretching Sheet with Newtonian Heating Embedded in a Porous Medium in Presence of Thermal Radiation and Heat Source/Sink	10.1007/s44198-024-00258-1	Article	Scopus
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Bushi, G.; Khatib, M.N.; Singh, M.P.; Pattanayak, M.; Vishwakarma, T.; Ballal, S.; Bansal, P.; Gaidhane, A.M.; Tomar, B.S.; Ashraf, A.; Kumar, M.R.; Chauhan, A.S.; Sah, S.; Mawejje, E.; Shabil, M.	Prevalence of suicidal ideation, attempts and associated risk factors in oral cancer patients: a systematic review and meta-analysis	10.1186/s12903-025-05511-7	Review	Scopus
Tiwari, S.; Khatib, M.N.; M, R.; Kaur, M.; Sharma, G.C.; Sudan, P.; Naidu, K.S.; Singh, R.; Vishwakarma, T.; Puri, S.; Shabil, M.; Yadav, A.; Singh, T.; Khurana, S.; Mehta, R.; Satapathy, P.; Sah, R.; Gaidhane, A.M.; Bushi, G.	Prevalence of dengue and leptospirosis coinfection and associated mortality rates: a systematic review and meta-analysis	10.1186/s12879-025-10498-1	Review	Scopus

Shabil, M.; Gaidhane, S.; Roopashree, R.; Kaur, M.; Srivastava, M.; Barwal, A.; Siva Prasad, G.V.; Rajput, P.; Syed, R.; Dev, A.; Kundra, D.; Yappalparvi, A.; Satapathy, P.; Quazi, Q.S.; Kumar, H.; Sah, R.; Bushi, G.	Association of HIV infection and hospitalization among mpox cases: a systematic review and meta-analysis	10.1186/s12879 -025-10512-6	Review	Scopus
Saadh, M.J.; Allela, O.Q.B.; Kareem, R.A.; Sanghvi, G.; Menon, S.V.; Sharma, P.; Tomar, B.S.; Sharma, A.; Sameer, H.N.; Hamad, A.K.; Athab, Z.H.; Adil, M.	From Gut to Brain: The Impact of Short-Chain Fatty Acids on Brain Cancer	10.1007/s12017 -025-08830-8	Review	Scopus
Sharma, N.; Khatib, M.N.; Roopashree, R.; Kaur, M.; Srivastava, M.; Barwal, A.; Siva Prasad, G.V.; Rajput, P.; Syed, R.; Kundra, K.; Mittal, V.; Shabil, M.; Kumar, A.; Cajla, P.; Bushi, G.; Mehta, R.; Khan, Z.; Satapathy, P.; Gaidhane, S.; Daniel, A.S.; Sah, R.	Association between vascular endothelial growth factor and atrial fibrillation: a systematic review	10.1186/s12872 -024-04460-3	Review	Scopus
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Jasim, S.A.; Farhan, S.H.; Ahmad, I.; HJazi, A.; Kumar, A.; Abed Jawad, M.A.; Pramanik, A.; Altabawy, M.A.F.; Alsaadi, S.B.; Abosaoda, M.K.	A cutting-edge investigation of the multifaceted role of SOX family genes in cancer pathogenesis through the modulation of various signaling pathways	10.1007/s10142 -024-01517-6	Review	Scopus
Manojkumar, K.; Sengar, A.S.; Jyothi, A.P.; Faisal, S.M.	Energy-efficient routing and predictive sink mobility in mobile wireless sensor networks using reflection equivariant quantum neural network and star fish optimization algorithms	10.1016/j.susco m.2025.101231	Article	Scopus
Kherrat, F.; Dehimi, L.; Pezzimenti, F.; Bains, P.S.; Sharma, R.; Alhuthali, A.M.S.; Arkook, B.; Mahmoud, M.H.H.; Haldhar, R.; Hossain, M.K.	Optimizing Lead-free Cs3Sb2I9-based perovskite solar cells by using different charge transport layers: A numerical approach	10.1016/j.inoche .2025.115568	Article	Scopus
Abubakari Sadiq, M.; Verma, A.K.; Kumar Mandal, S.K.; Chauhan, A.; Garima, n.; Acharjya, K.	Integration of Artificial Intelligence in Optical Systems for Healthcare Monitoring	10.1142/S02194 77525500476	Article	Scopus
Ab Yajid, M.S.A.; Bhosle, N.; Sudhamsu, G.; Khatibi, A.; Sharma, S.; Jeet, R.; Sivaranjani, R.; Bhowmik, A.; Santhosh, A.J.	Hybrid Big Bang-Big crunch with cuckoo search for feature selection in credit card fraud detection	10.1038/s41598 -025-97149-2	Article	Scopus

Shabil, M.; Malvi, A.; Khatib, M.N.; Ganesan, S.; Kaur, M.; Srivastava, M.; Prasad, G.V.S.; Rajput, P.; Mohan, B.; Jena, D.; Bushi, G.; Sah, S.; Satapathy, P.; Samal, S.K.; Mawejje, E.	Association of electronic cigarette use and risk of COPD: a systematic review and meta-analysis	10.1038/s41533-025-00438-6	Review	Scopus
Chanu, L.J.; Purakayastha, T.J.; Bhaduri, D.; Ali, M.F.; Shivay, Y.S.; Saren, S.; Kumar, V.; Alhomrani, M.; S Alamri, A.S.	Assessment of soil biological quality under long-term rice-wheat cropping system: Effect of continuous vs. residual organic nutrient inputs	10.1016/j.still.2025.106725	Article	Scopus
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Hsu, C.-Y.; Ahmed Mustafa, M.A.; Ghadir, G.K.; Bansal, P.; Kaur, H.; Mohammed, A.Q.; Abdulwahid, A.S.; Hussein, A.R.; Namaha, S.Q.; Ami, A.A.; Radi, U.K.; Alzubaidi, L.H.; Kazemi, A.	Optimization of variables for cadmium and copper removal using magnetic nanocomposite	10.1186/s13065-025-01502-5	Article	Scopus
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Majeed, L.R.; Rashid, S.; Sharma, D.; Majeed, L.F.; Bhat, M.A.	Nature conservation and poverty alleviation through sustainable ecotourism: the case of Lolab Valley, India	10.1007/s44274-024-00181-8	Article	Scopus
Çep, R.; Muniyandy, M.; Ramesh, J.V.N.; Chohan, M.K.; Verma, A.	Convolutional Fine-Tuned Threshold Adaboost approach for effectual content-based image retrieval	10.1038/s41598-025-93309-6	Article	Scopus

El-Sehrawy, A.A.M.A.; Khachatryan, L.G.; Kubaev, A.; Rekha, M.M.; Rab, S.O.; Kaur, M.; Singh, M.; Srivastava, M.; Kadhim, A.J.; Zwamel, A.H.	Triglyceride–glucose index: a potent predictor of metabolic risk factors and eating behavior patterns among obese individuals	10.1186/s12902 -025-01887-3	Article	Scopus
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Joshi, D.C.; Raina, N.; Joshi, N.; Gurow, K.; Gwasakoti, J.; Sood, A.; Mehrotra, A.; Tuli, H.S.; Paudel, K.R.; Gupta, M.	Current Landscape of Novel Therapeutic Agents and Drug Targets in Irritable Bowel Syndrome	10.1002/ardp.70 133	Review	Scopus
Margiana, R.; Pallathadka, H.; Mansouri, S.; Qasim, Q.A.; Kumar, A.; Kumar, A.; Pramanik, A.; Zwamel, A.H.; Hamzah, H.F.; Mohammed, I.H.	Strategies in Tissue Regenerative Engineering for the Treatment of Human Infertility	10.1007/s12015 -025-10964-y	Article	Scopus
Bhambu, P.; Kumar, S.; Arora, K.; Chandra, S.; Sharma, V.; Mankame, D.; Singla, B.S.	A hybrid deep learning framework to generate language for image captioning	10.1007/s41870 -025-02697-5	Article	Scopus
Verma, S.; Aakansha, A.; Dev, K.; Mamta; Bhargav, A.; Alvi, P.A.; Singh, N.	Luminescent behavior of NaSr _{1-x} PO ₄ :xTb: structural and optical characterization for advanced lighting applications	10.1016/j.optma t.2025.117361	Article	Scopus
Sharma, A.; Ballal, S.; Sharma, D.; Pathak, J.; AIGhamdi, A.A.; Tadepalli, S.; Thangavelu, I.	Clitoria ternatea flower extract assisted synthesis of Pluronic F127 and l-histidine coated SrO ₂ as a multimodality nanocomposite for anti-cancer, anti- oxidant, and antimicrobial activities	10.1007/s00449 -025-03213-6	Article	Scopus

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Abdulwahab, A.; Kumar, A.; Sharma, P.; Makasana, J.; Ariffin, I.A.; Nathiya, D.; Kaur, P.; Hussein, A.; Muzammil, K.	Effects of Pt doping on the PH ₃ and HCN gas sensing properties with B ₂ CN ₃ monolayer structure: A DFT study	10.1016/j.matchemphys.2025.131162	Article	Scopus
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Meena, N.; Jain, S.; Khandelwal, Y.; Gour, M.M.; Agarwal, P.	A Numerical Investigation of Systems of Partial Differential Equations Under Non-Singular Kernel	10.18576/pfda/110401	Article	Scopus
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Pandey, S.N.; Babu, M.A.; Goyal, K.; Menon, S.V.; Ray, S.; Kaur, M.; Sharma, S.; Rana, M.; Rekha, A.; Ali, H.; Singh, S.K.; Gupta, G.	Targeting NLRP3 inflammasome with curcumin: mechanisms and therapeutic promise in chronic inflammation	10.1007/s10787-025-01926-4	Review	Scopus
Saadh, M.J.; Gataa, I.S.; Hussam, A.S.; Kaur, I.; Kumar, A.; Godara, P.; Zainul, R.; Muzammil, K.; Zahrani, Y.	Effect of Epigallocatechin Gallate on Glycemic Index: A Systematic Review and Meta-Analysis of Randomized Controlled Trials	10.1016/j.clinthe.2025.07.015	Review	Scopus

PadmaPriya, G.; Joshi, A.; Sachdeva, A.; Arun, J.K.; AlGhamdi, A.A.; Tadepalli, S.; Thangavelu, I.	Multifunctional SrO ₂ –Sodium Alginate–L-Arginine Nanocomposite: A Green Approach against Colon Cancer and Pathogenic Microbes	10.1007/s10924-025-03655-9	Article	Scopus
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Vyas, N.; Sartajvir, S.; Sethi, G.K.	An efficient posterior probability-based image fusion change detection model for the estimation of seasonal agricultural changes using microwave and optical datasets	10.1016/j.compag.2025.110683	Article	Scopus
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Ansari, G.; Vaghela, K.; Ezhilarasan, G.; Dash, B.; Ramesh Babu, G.R.; Kaur, I.; Al-Hasnaawei, S.; Rathi, V.; Aggarwal, A.; Shah, S.K.; Vashisht, A.; Albouchi, F.	Surface Plasmon Resonance Sensor with Multilayers Structure for Enhanced Sensitivity for Pregnancy Detection: Theoretical Analysis	10.1007/s11468-025-03002-7	Article	Scopus
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Sharma, S.; Das, S.; Shieh, C.-S.; Horng, M.-F.; Tharani, L.; Sharma, S.; Sharma, P.; Chakrabarti, P.; Rawal, Y.S.	Design and Numerical Analysis of a Gold-Coated Photonic Crystal Fiber Sensor for Metabolic Disorder Detection with Deep Learning Assistance	10.1007/s11468-025-02887-8	Article	Scopus
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Pareek, D.; Rolaniya, A.; Yadav, A.; Nikita; Bhasin, M.; Meena, A.; Ranka, M.; Jain, P.; Sailani, R.	Osmium(viii)-catalyzed oxidative degradation of paracetamol by chloramine-T in an aqueous alkaline medium: computational screening and mechanistic pathways	10.1039/d5ra03805g	Article	Scopus
Rajendran, N.K.; Kumar, S.; Agarwal, T.; Kumar, M.; Prabhukumar, P.; Gantra, A.	Perspectives on recent breakthroughs in laser powder bed fusion for metal additive manufacturing	10.1007/s40964-025-00994-w	Article	Scopus
Meenakshi Reddy, R.M.; Singh, R.P.; Kaur, J.; Kumar, H.; Kannan, S.; Hossain, I.; Kaliappan, S.; Al-Obaid, S.; Alharbi, S.A.	EXPERIMENTAL INVESTIGATION ON THERMAL BARRIER-COATED DIESEL ENGINE USING ANTIOXIDANT-DOPED ORANGE PEEL OIL BIODIESEL	10.1142/S0218625X24501270	Article	Scopus
Awasthi, K.K.; Srivastava, S.; Sushila	Innovative pathways to environmental sustainability: bridging technology, agriculture, and energy for a greener future	10.1007/s11356-024-35312-4	Editorial	Scopus
Dhadda, S.; Jangir, N.; Sihag, P.; Bagaria, S.K.; Jangid, D.K.	The designing of magnetic nanomaterials synthesis and applications in dye degradation: a review	10.1007/s11356-024-35165-x	Review	Scopus
Kumar, S.; Doda, D.K.; Kumar Pandey, V.K.	Design of solar cooking models to enhance energy utilization and environment protection with their cost–benefit analysis: a case study of an institutional area in the state of Rajasthan, India	10.1007/s11356-024-35010-1	Article	Scopus
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Kumar, D.; Sharma, M.K.	Early prediction of battery swelling via delta resistance features and optimized machine learning models to avoid thermal runaway	10.1016/j.fraope.2025.100389	Article	Scopus
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	(Heliyon (2024) 10(16), (S2405844024112029) , (10.1016/j.heliyon.2024.e35171))			
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Krishna Reddy, B.N.; Singh, S.K.; Yadav, S.	The Role of Applied Cryptography in Current Encryption Protocols	10.1109/ICCCN T61001.2024.10 724980	Conference paper	Scopus
Kumar, S.; Shankar, S.S.; Menon, S.V.	Understanding the Frequency Response Characteristics of Network Connections to Enhance Electromagnetic Compatibility	10.1109/ICCCN T61001.2024.10 724356	Conference paper	Scopus
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Kumar Pandey, A.K.; Devrani, R.; Sunil, M.P.	Exploring Learning-based Approaches for Enhancing IoT Networking Through Big Data Processing	10.1109/ICCCN T61001.2024.10 724328	Conference paper	Scopus
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