



KONERU LAKSHMAIAH EDUCATION FOUNDATION(K L E F)

Research & Development(R & D)

List of web of science Publications

S.NO	Name of the Author/s	Article Title	Name of the Journal	Year	DOI	Web of Science Index	Link
1	Poranki, VKR; Srinivasarao, B	SDRG-Net: Secure DR grading network for Real-Time decision support in IoMT environments	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2025	10.1016/j.bspc.2024.107040	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
2	Chandrika, KB; Babu, T; Reddy, MVS; Prasanna, JL; Kumar, MR; Parvez, MM; Santhosh, C	Determining Potability Based on Heavy Metal Ion Analysis of Water using Machine Learning	INTERNATIONAL JOURNAL OF ENGINEERING	2025	10.5829/ije.2025.38.01a.11	Emerging Sources Citation Index (ESCI)	WOS Proof
3	Devi, SA; Gunta, S; Gutta, SA; Kataru, BA; Valeti, G	Attentional deep learning based efficient AGSDCLR unet model for gastrointestinal tract segmentation	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2025	10.1016/j.bspc.2024.106847	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
4	Banik, O; Salve, AL; Kumar, P; Kumar, S; Banoth, E	Electrically conductive nanomaterials: transformative applications in biomedical engineering-a review	NANOTECHNOLOGY	2025	10.1088/1361-6528/ad857d	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
5	Nanthaamornphong, A; Gaur, N; Maguluri, LP; Kumar, A	A phase factor generation using RNNs deep learning algorithm-based PTS method for PAPR reduction of beyond 5G FBMC waveform	ALEXANDRIA ENGINEERING JOURNAL	2025	10.1016/j.aej.2024.10.040	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
6	Aoudni, Y; Balasubramani, M; Natarajan, K; Sabeenian, RS; Rao, VS; Lakshmi, PNSS	Advancing personalized human-robot interaction in the smart world through emotional AI in entertainment robots	ENTERTAINMENT COMPUTING	2025	10.1016/j.entcom.2024.100770	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
7	Jithin, PV; Dhamodaran, A; Prajisha, KP; Suman, S; Sankaran, KJ; Ramesh, A; Sudheendran, K; Kurian, J	Structural and optical properties of Ce-stabilized tetragonal phase and intense blue emission of monoclinic phase in ZrO ₂ nanoparticles	JOURNAL OF LUMINESCENCE	2025	10.1016/j.jlumin.2024.120933	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
8	Karthik, A; Patthi, S; Maheswari, BU; Devi, JS; Pradhan, AK; Balaji, L; Nallasivan, G; Rajaram, A	Advancing idiopathic pulmonary fibrosis prognosis through integrated CNN-LSTM predictive modeling and uncertainty quantification	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2025	10.1016/j.bspc.2024.106811	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
9	Karthik, A; Sahoo, SK; Kumar, A; Patel, N; Chinnaraj, P; Maguluri, LP; Shuaib, M; Rajaram, A	Unified approach for accurate brain tumor Multi-Classification and segmentation through fusion of advanced methodologies	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2025	10.1016/j.bspc.2024.106872	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
10	Chowdary, MK; Gopatoti, A; Shahila, DFD; Chaturvedi, A; Talasila, V; Babu, AK	Entertainment robots for automatic detection and mitigation of cognitive impairment in elderly populations	ENTERTAINMENT COMPUTING	2025	10.1016/j.entcom.2024.100803	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
11	Aggarwal, K; Shabu, SLJ; Siddiqui, MHF; Shanmathi, M; Malathi, M; Murthy, CSVVSN	A novel framework for entertainment robots in personalized elderly care using adaptive emotional resonance technologies	ENTERTAINMENT COMPUTING	2025	10.1016/j.entcom.2024.100796	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof

12	Ashok, K; Anu, P; Rajheshwari, KC; Lalitha, RVS; Tata, RK; Kavitha, A	Interactive robots for personalised multimodal comedy experiments	ENTERTAINMENT COMPUTING	2025	10.1016/j.entcom.2024.100874	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
13	Xiao, WX; Fan, XY; Wang, YL; Fang, WJ; Sun, FX; Zhao, JJ; Wei, X; Li, CC; Tao, JF; Kumar, S	High-Q fano resonance metasurface sensor for refractive index and methane gas concentration measurement	OPTICS COMMUNICATIONS	2025	10.1016/j.optcom.2024.131187	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
14	Manohar, A; Suvarna, T; Vattikuti, SVP; Goud, JP; Al- Asbahi, BA; Qaid, SMH; Mamede, N; Kim, KH	Investigating the potential of Mg _{0.5} Zn _x Cu _{0.5-x} Fe ₂ O ₄ nanoparticles for energy storage applications	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	2025	10.1016/j.mssp.2024.108897	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
15	Kiran, A; Refonaa, J; Nabeel, M; Navaprakash, N; Reddy, VL; Lalitha, RVS	Adaptive mixed reality robotic games for personalized consumer robot entertainment	ENTERTAINMENT COMPUTING	2025	10.1016/j.entcom.2024.100825	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
16	Ramu, K; Patthi, S; Prajapati, YN; Ramesh, JVN; Banerjee, S; Rao, KBVB; Alzahrani, SI; Ayyasamy, R	Hybrid CNN-SVM model for enhanced early detection of Chronic kidney disease	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2025	10.1016/j.bspc.2024.107084	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof
17	Manohar, A; Suvarna, T; Chintagumpala, K; Ubaidullah, M; Mamede, N; Kim, KH	Exploring progress in binary and ternary nanocomposites for photoelectrochemical water splitting: A comprehensive review	COORDINATION CHEMISTRY REVIEWS	2025	10.1016/j.ccr.2024.216180	Science Citation Index Expanded (SCI-EXPANDED)	WOS Proof