



KONGUNADUCOLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL-TRICHY MAIN ROAD, THOTTIAM, TRICHY

DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY PUBLICATIONS-International/National Journals

S. No.	DETAILS
ACADEMIC YEAR 2025-2026	
1	Dr. Uma Sundara Sood S S, Dr. Vembu T , Dr. Preethi P, “Adaptive E-Learning Systems for English Language Teaching: A Data-Driven Management Perspective” MSW MANAGEMENT -Multidisciplinary, Scientific Work and Management Journal ISSN: 1053-7899, Vol. 36 Issue 1, 2026, Pages 5064-5070 (Scopus)
2	Dr.R. Pavithra, G. Arunkumar , Dr. K. Muthumanickam, “Emotion-Aware Conversational Agents for Improving English Communication using Multimodal Artificial Intelligence Systems” MSW MANAGEMENT -Multidisciplinary, Scientific Work and Management Journal, ISSN: 1053-7899, Vol. 36 Issue 2, 2026, Pages 09-13 (Scopus)
3	Mr. J. Vimal Tony , Dr T. Ranjula Pushpa, Mr. Suresh Kumar Arumugam, “An Intelligent Speech Recognition and Embedded Systems for Real-Time English Pronunciation Assessment” MSW MANAGEMENT -Multidisciplinary, Scientific Work and Management Journal, ISSN: 1053-7899, Vol. 36 Issue 1, 2026, Pages 6151-6156 (Scopus)
4	Mr.L. Aruldoss, Dr.A. Sophiamary, Mr.S. Senthil Kumar “ELT in Pharmaceutical Education: Integrating Language Skills with Research and Drug Delivery Studies” MSW MANAGEMENT -Multidisciplinary, Scientific Work and Management Journal. ISSN: 1053-7899, Vol. 36 Issue 2, 2026, Pages 14-18 (Scopus)
5	A. Suheal, M. S. Jagatheeshwaran, P. Ramesh, N. Sudha “Superhydrophobic Functionalized Reduced Graphene Oxide–Reinforced Ni –P Composite Coatings on AISI 1018 Steel for Enhanced Corrosion and Erosion Resistance” Chemistry Select, 2026; 11: e05551 (SCI)
6	S. Priyadharshni, Pugalenthi Ramesh, M. Kalaiyarasi, K. Gilbert Ross Rex, B. Dhevahi , Abdullah A. Al-Kahtani, M. Santhamoorthy “Integrated oxidation and bio-functionalization of graphite using natural bioactive latex for high-performance supercapacitor electrodes” Diamond & Related Materials 167 (2026) 113793 (SCI)
7	K. B. Bhaskar, R. Sangeetha, Tejaswi Ashok Hegde, D. Karunanithy , T. U. Jeevitha, and Michael Ruby Raj “Nano-scale MgFe _{1.9} X _{0.1} O ₄ (X = Bi, Cu, Nd, Ni) spinel ferrites: structural, optical, and magnetic properties for photonic and spintronic applications” J Mater Sci: Mater Electron (2026) 37:974 (SCI)
8	R. Jagadeesan, M. Nagoor Meeranb, K. Krishnaveni, C. Christopherd, R. Nagalakshmie, and P. Neelakandan “Electrooxidation of Cinnamic Alcohol with In Situ Generated Chloronium Ions: a Mild and Convenient Approach” ISSN 1070-4280, Russian Journal of Organic Chemistry, 2026, Vol. 62:22. © Pleiades Publishing, Ltd., 2026. DOI: 10.1134/S1070428025603048 (SCI)
9	Ajay Kumar, Shruti Gupta, Vishal Kaushik, Ajay Sharma, J. Sophers “Performance Analysis of Computing System Under Preventive Maintenance” RT&A, No 1 (90) Volume 21, March 2026 (Scopus).

10	S. Srinivasan · A. Rathinavelu · N. Karpagam · V. T. Priya · S. Vijayakumar · B. Karthi · Santhanam Mohan “Optical, thermal behaviour, high quantum yield and thermodynamically equilibrium, photodegradation of methyl violet textile dye utilized SnO ₂ nano cornflower’s structure “Biomass Conversion and Biorefinery (2026) 16:174 https://doi.org/10.1007/s13399-026-07094-x (SCI)
11	Chongkol Sungoum, Ratchagaraja Dhairiyasamy, N. Karthikeyan , Xianpeng Wang, Deekshant Varshney, Subhav Singh “Energy efficiency in CMOS-compatible TiN MIM plasmonic waveguides quantified by ellipsometry-calibrated FDTD” Journal of Computational Electronics (2026) 25:72 (SCI)
12	M.Ruba, C. Devanathan, K. Balasubramanian , Gopal Kaliya Perumal, S. Venkatesa Prabhu, Ravikumar Jeyabal, Ramya Maranan, R. Venkatesh, Vijaya Rajan Veeraraj “Production and Characteristics Study of the Hybrid Nitride Featured Magnesium Alloy Composites Via Liquid Metallurgy “American Foundry Society https://doi.org/10.1007/s40962.026-01878-7 2026 (SCI)
13	M. Michael Jegan , D. Selleswaril · M. Duraipandian · S. Manimegalai “Microwave-assisted green synthesis of bio-conjugated Mn _{0.02} Co _{0.03} Zn _{0.05} Fe ₂ O ₄ nanocomposites for magnetically recyclable photocatalytic degradation of methyl orange dye” MRS Advances https://doi.org/10.1557/s43580-026-01560-4 , 2026 (Scopus)
14	Sathiyamoorthy Margabandu, Felix Sahayaraj Arockiasamy, R. Sathis Kumar , Raghuram Pradhan, T. Nithyanandhan and T. S. Ajmal “Valorization and development of Caryota urens mat fiber and sterculia foetida fruit shells biocarbon vinyl ester composite”, Polymer Bulletin DOI: https://doi.org/10.1007/s00289-026-06288-7 , (2026) 83:219 (SCI).
15	M. Nirmala, E. Geetha, S. Sarala , M. Mageswari and M. Radha Madhavi, “Coupled Heat and Mass Transfer in Transient Magnetohydrodynamic Nanofluid Flow Past a Vertical Plate: Effects of Buoyancy and Temperature Variation” JP Journal of Heat and Mass Transfer, Volume 39, Number 1, February 2026, Pages 1-17 (Scopus)
16	Barun Haldar and Abdullah A. Elfar, K. Karthikeyan, Talapa Reddy Suman Kumar, R. Venkatesh, Ravikumar Jayabal, Ramya Maranan, N. Karthikeyan , “Production of Zk60 Magnesium Alloy Hybrid Composites Reinforced with Aluminium Oxide and Carbon Nanotubes Through Ultrasonic-Assisted Semisolid Stir Casting” American Foundry Society https://doi.org/10.1007/s40962-026-01903-9 2026 (SCI)
17	R. Pradheepa, I. Manimehan, N. Muruganantham, A. Rajesh, A. Viji , S. Manimaran and K. Ravichandran “Simultaneous incorporation of F ⁻ and Ce ³⁺ ions into SnO ₂ lattice: A co-doping approach for enhanced photocatalytic dye detoxification”, Materials Science and Engineering DOI: https://doi.org/10.1016/j.mseb.2025.118658 , B 322 (2025) 118658 (SCI).
18	P. Sivaprakash, A. Viji , S. Krishnaveni, K. M. Kavya, Deokwoo Lee, and Ikhyun Kim ” Comprehensive Computational Study of a Novel Chromene-Trione Derivative Bioagent: Integrated Molecular Docking, Dynamics, Topology, and Quantum Chemical Analysis”, International Journal of Molecular Sciences, DOI: https://doi.org/10.3390/ijms2619966126/9661/(2025) (SCI).
19	Gunasekaran Manibalan, Dharmalingam Krishnamoorthy , Govindhasamy Murugadoss, Venkataraman Dharuman, Shaik Gouse Peera, “Sensitive and Selective Electrochemical Detection of Hydrogen Peroxide Using a Silver-Incorporated CeO ₂ /Ag ₂ O Nanocomposite”, Biosensors, DOI:10.3390/bios 15090617, September 2025(SCI)
20	Vagheesan Senthilkumar, Kasilingam Balasubramanian , Subramaniam Prabakaran, Tharmaraj Premkumar, Pichandi Chandrasekar, Venkatesh Rathinavelu, Mohanavel Vinayagam, Sami Al Obaid and Saleh Hussein Salmen,” High performance poly ceramic hybrid composite featured with carbon fiber”, Walter de Gruyter GmbH, Berlin/Boston, DOI: 10.1515/polyeng-2024-0269. July 2025(SCI)

21	V. Priyadarshini, K. Tharini, G. Kalaimagal, A. Alvin Kalicharan, B. Subhashini, A. Rathinavelu, S. Mohan “Green engineered silver (Ag NPs) nanoparticles enable for thermal, optical behavior and catalytic elimination of organic pollutants” Results in Surfaces and Interfaces https://doi.org/10.1016/j.rsurfi.2025.100593 2025 (SCI)
22	V. Charles Vincent, P. Elaiyaraja, S. Senthil, A. Antony Prabhu , V. Ratchagar, G. Saravanan, T. Senthil Ganesh & S. Srinivasan, “Enhanced dielectric Stability and Electromagnetic shielding efficiency of CdO/CeO ₂ nanocomposites for high-performance electronic applications” Journal of Materials science: Materials in Electronics, DOI :10.1007/s10854-025-15275-z, July 2025. (SCI)
23	S. Esakki Muthu, Kalaiselvan Ganesan, Jhelai Sahadevan, P. Sakthivel, A. Viji , P. Sivaprakash and Ikhyun Kim “Unveiling the Temperature-Dependent Magnetic and Magnetocaloric Properties in Mn-Doped LaCoO ₃ ”, Journal of Superconductivity and Novel Magnetism DOI: https://doi.org/10.1007/s10948-025-07018-2 (2025) 38:177 (SCI)
24	V. Manikandan, U. Krishnamoorthy & P. Thangamani , “Influence of rGO/Cu-TiO ₂ Nanocomposite on Photo –Degradation Rose Bengal Dye Pollutant” In Strength of Materials, DOI :10.1007/s11223-025-00770-9, July 2025 (SCI)