



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL - TRICHY MAIN ROAD, THOTTIAM, TRICHY

DEPARTMENT OF AGRICULTURAL ENGINEERING

INTERNATIONAL / NATIONAL JOURNELS

Academic Year 2024– 2025

S.NO	DETAILS
1.	Dineshkumar Periannan , Ratchagaraja Dhairiyasamy, Deekshant Varshney, Subhav Singh, Bahaa Saleh, Ahmed Hassan, “Enhancing heat pipe efficiency using silver nanomaterial nanofluids: a hybrid approach with carbon nanotubes, graphene and quantum Dot-MOS compositions” <i>RevistaMateria</i> , Vol.3.
2.	Ratchagaraja Dhairiyasamy , Deepika Gabiriel, Gopinath Varudharajan , Jegan Manickam Manivannan , Beena Stanislaus Arputharaj, Mohammed Al Awadh, Qasem M. Al-Mdallal “Impact of coated silver nanoplates on the thermal efficiency of heat pipes under varying operating conditions” <i>Case studies in thermal engineering</i> , Vol.67,105662.
3.	Prabhakaran Sivaraman, Visagavel Kolandaivel, Mukilan Natesan , Ratchagaraja Dhairiyasamy “Emission Reduction and Efficiency gains in LHR engines using natural antioxidants in biodiesel blends” <i>International Journal of Automotive Technology</i> , on February 2025.
4.	Prabhu Alphonse, Veera Karunya Gunasekaran , Ratchagaraja Dhairiyasamy, Deekshant Varshney, Subhav Singh, Deepika Gabiriel “Comparative analysis of nanomaterials in heat pipe performace under variable operational conditions”, <i>Revista Materia</i> , ISSN No:1517-7076 Volume 29, No.4, February 2025.
5.	Sivakumar Jaganathan, Venkatasudhahar Murugesan, Dineshkumar Periannan , Jegan Manickam Manivannan, Subhav Singh, Deekshant Varshney and Ratchagaraja Dhairiyasamy, “Oxidative degradation and performance of jatropha biodiesel blends: implications for clean energy and sustainability”, <i>Global Nest</i> , V.27, No.3, 06833.
6.	K. Gunasekaran, P. Suresh, V. Gopinath , D. Ratchagaraja, “Optimization of silver nanoparticle-enhanced nanofluids for improved thermal management in solar thermal collectors”, <i>RevistaMatéria</i> , Vol.29, Issue No. 3, DOI : https://doi.org/10.1590/1517-7076-RMAT-2024-0363 .
7.	S. Sivakumar, G. Narendra Laxman, M. Venkatasudhahar, M. Prabhu , D. Ratchagaraja “Experimental investigations on spray characteristics of non-edible oils using phase doppler particle analyser”, <i>RevistaMatéria</i> , Vol.29, Issue No. 3, DOI : https://doi.org/10.1590/1517-7076-RMAT-2024-0415 .
8.	M. Uma Magesvari, D. Jegatheeswaran, M. Muthu Kumar, S. Satheeshkumar , “Nano-boosted concrete: Revolutionizing Strength and Durability for Modern Construction”, <i>RevistaMatéria</i> , Vol.29, Issue No.4, DOI: https://doi.org/10.1590/1517-7076-RMAT-2024-0521 .