

KONGU ENGINEERING COLLEGE CAMPUS R&D NEWS



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PH.D VIVA-VOCE COMPLETED

- 1. Mr.A.Sheik Sidthik, Research Scholar, Department of Electrical and Electronics Engineering defended her thesis entitled "Investigations of antioxidant mixed with natural ester for power transformer applications" on 20.12.2024 under the guidance of Dr.M.Srinivasan (RC) / EEE.
- 2. Mr.B.Krishnakumar, Research Scholar, Department of Information Technology defended her thesis entitled "An enhanced breast cancer detection system using segmentation and hybrid optimized deep learning models" on 24.12.2024 under the guidance of Dr.S.Anandamurugan / IT.

R&D PROJECTS SACTIONED (2024-2025)

- 1. Ms.S.Mohana Saranya/CSE, received research grant of Rs.1,50,000/- for the project entitled "Tomatix: Revolutionizing Crop Planning and Market Intelligence" under AICTE- Tomato Grand Challenge Scheme on 10.06.2024, F.No.M/954/2024-US C1/1/16.
- Dr.N.Prakash/MBA, Dr.V.Vaishnavi/MBA, Dr.P.Sivaranjani/ECE, Dr.P.Karthikeyan/MBA received research grant of Rs.7,50,000/- for the project entitled "Implementation of Blockchain Technology to Enhance Transparency, Traceability and Quality Assurance in the Supply Chain of South Indian Agriculture Industries" under ICSSR-R&D Scheme on 20.09.2024, F.No.162/VVB@20247/2024-2802/NR&RD-A/SCD.
- Dr.M.Joseph Auxilius Jude/ECE, received research grant of Rs.3,00,000/- for the project entitled "Robust end-to-end congestion control algorithm for vehicular internet computing" under TNSCST-RFRS Scheme on 17.06.2024, F.No.TNSCST/RFRS/06/ VM2022-23/16395.

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- 1. Mani DhivakarKarthick., Gobi Subburaj Rampradheep., Sampathkumar Velusamy., and Hema Sudhakar., (2024). Encapsulation of combined bacterium in clay pellet and silica gel for the autogenous healing of concrete. *Journal of Ceramic Processing Research*, Vol.25(6), pp.997-1006.
- 2. Manoj Shanmugamoorthy., Sampathkumar Velusamy., Baraneetharan Raju., Divagar Senthil Kumar., and Deepak Kumar Dhakshinamoorthy., (2024). Eco-Synergy: Transforming of agro and industrial waste into biofuel briquettes A Review. *Indian Journal of Environmental Protection*, Vol.44(12), pp.1117-1124.
- 3. Venkatachalam, S., Vishnuvardhan, K., Sampathkumar, V., Sugandhan, S.S., Rubakkumar, M., and Surya, N.K., (2024). Seismic Performance of Reinforced Cantilever Columns in Earthquake Environments through Nano-GFRP Retrofitting. *Journal of Environmental Nanotechnology*, Vol.13(4), pp.11-19.
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- 6. Sathishkumar, T.P., Rajeshkumar, L., Rajini, N., Sivalingam, S., Gopinath, R., Santhoshkumar, S., and Ramesh, M., (2024). Effects of cashew nutshell biofillers on the mechanical and thermal behaviour of Basalt/Hibiscus vitifolius hybrid fabrics reinforced polymer biocomposites. *Scientific Reports*, Vol.14(1), p.27636.
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- 11. Gobinath Velu Kaliyannan., Rajasekar Rathanasamy., Raja Gunasekaran., Santhosh Sivaraj., Suganeswaran Kandasamy., and Subha Krishna Rao., (2024). Preparation of Ceramics: Different Approaches, Defects Engineering in Electro ceramics for Energy Applications. *Springer Nature Singapore*, pp.53-86.
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