

KONGU ENGINEERING COLLEGE CAMPUS R&D NEWS



VOL 04

SEPTEMBER 2023

ISSUE 09

PH.D VIVA-VOCE COMPLETED

- 1. Mr.S.Pranav, Research Scholar, Department of Chemical Engineering defended his thesis entitled "Synthesis and characterization of multifunctional cage type catalysts from clay minerals and its applications" on 04.09.2023 under the guidance of Dr.K.Kannan / Chemical.
- 2. Ms.V.N.Kowshalya, Research Scholar, Department of Chemistry defended her thesis entitled "An investigation on the efficiency of synthesized zinc oxide hallow hexagonal nanotube for the removal of carcinogenic dyes from aqueous solution and for anticancer application" on 11.09.2023 under the guidance of Dr.P.N.Palanisamy / Chemistry.

R&D PROJECTS SACTIONED (2023-2024)

- 1. Dr.S.Anandakumar/Civil, received research grant of Rs.3,00,000/- for the project entitled "Development of track maintenance model for metro rail system" under TNSCST-RFRS scheme on 27.04.2023, File No. TNSCST/RFRS/E&T/VR/05/2020-21.
- 2. Dr.N.Muralidharan/MTS, Dr.S.K.Thangarasu/MTS, Dr.A.Shanmugam/MTS received research grant of Rs.18,19,000/- for the project entitled "Machinability and surface intergrity investigation in CNC-wire cut electrical discharge turning (WEDT)" under CSIR-R&D scheme on 14.07.2023, File No. 22/0871/23/EMR-II.
- 3. Dr.M.Mohanasundari/MBA, Dr.P.Vidhya Priya/MBA, Dr.P.Sudharesalingam/MBA, Ms.M.Dharshne/MBA received research grant of Rs.8,06,250/- for the project entitled "Entrepreneurial Ecosystem-The Effectiveness of Stand-up India in promoting women and SC/ST owned Business in Tamil Nadu" under ICSSR-Collaborative Research Grant Scheme on 29.09.2023, F.No.226/CRP-2023-2122/SUI/SCD.

4. Dr.S.Padmavathy/MBA, Dr.S.Maheswari/EEE, Dr.M.Sivachitra/EEE, Mr.S.K.Logesh /EEE received research grant of Rs 6,45,000/- for the project entitled " An Empirical Study on Jan Aushadhi Yojanas Reach and Socio Economic Impact in selected areas of Tamilnadu" under ICSSR — Collaborative Research Grant Scheme on 03.10.2023, F.No.188/CRP-2023-2120/AB/SCD.

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- 1. Vijayashanthy, S., Saravanan, K., Priyanka, E.B., and Sampathkumar, V., (2023). Water pollution and carbon dioxide emissions from solid waste landfills: probabilistic monitoring and evaluation. *Global Nest Journal*, Vol.25(7), pp.78-90.
- 2. Vivek, D., Jayaguru, C., Rampradheep, G.S., and Shankar, S., (2023). Experimental Investigation on Carbonation due to Climate Change Impacts. *Global Nest Journal*, Vol.25(6), pp.130-141.
- 3. Paramasivam, B., Sasikumar, R., and Bhuvaneshkumar, M., (2023). Investigation of diesel engine distinctiveness fuelled by Aegle marmelos pyrolysis oil-CuO nanoparticles-diesel modified opus with the aid of infra-red thermal images-a novel study. *Iranian Journal of Chemistry and Chemical Engineering*, Vol.42(1), pp.286-309.
- 4. NaveenKumar, R., Venkatachalam, S., Shankar, S., Nithyaprakash, R., Elavarasan, A.J., Krishnashankar, E., and Prakash, C., (2023). Ergonomic Evaluation of Different Working Posture and Handle Designs of Mason Trowel during Wall Plastering Work based on Shoulder and Arm Muscle Activity. *Journal of Scientific & Industrial Research (JSIR)*, Vol.82(9), pp.938-946.
- 5. Palaniappan, S.K., Chinnasamy, M., Pal, S.K., and Rajasekar, R., (2023). Influence of cutting parameters on the performance of plough during hard rock cutting in coal mining. *Journal of Sustainable Mining*, Vol.22(3), pp.185-194.
- 6. Islam, R., Noyon, M.A.R., Dey, T.K., Jamal, M., Rajasekar, R., Chinnasamy, M., and Uddin, M.E., (2023). Fabrication of Graphene Oxide Reinforced Biocomposite: Recycling of Postconsumed Footwear Leather. *Advances in Polymer Technology*, Vol.2023, Article ID: 3996687.
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- 11. Uma Maheswari, B., Sagar Imambi, S., Dler Hasan., Meenakshi, S., Pratheep, V.G., and Sampath Boopathi., (2023). Internet of Things and Machine Learning-Integrated Smart Robotics, Global Perspectives on Robotics and Autonomous Systems: Development and Applications, (IGI Gobal Book Chapter) ,pp 240-258, DOI: 10.4018/978-1-6684-7791-5.ch010
- 12. Anand, M., Kalaiselvi, P., Arun Kumar, S., Nithyavathy, N., (2023). Design and Development of Automated Guided Vehicle with Line Follower Concept using IR. IEEE Explore, International Conference on Electronics, Communication and Computing Technologies (ICECCT) DOI:10.1109/ICECCT56650.2023.10179618
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