Government Engineering College Kozhikode

List of Recent Publications of Faculty Members

2023-24

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- Sabarish Radoor, Aswathy Jayakumar, Jasila Karayil, Jun Tae Kim, Suchart Siengchin, Biodegradable polymeric green adsorbent for the highly efficient removal of crystal violet dye from aqueous solution, Chemical Engineering Research and Design, 2023
- 2. Sabarish Radoor, **Jasila Karayil**, Aswathy Jayakumar, Dharma Raj Kandel, Jun Tae Kim, Suchart Siengchin Jaewoo Lee, Recent advances in cellulose- and alginate-based hydrogels for water and wastewater treatment: A review, Carbohydrate Polymers, 323, 2023
- 3. **E. Rahmathulla Noufal**, In-depth Assessment of structural and mechanical properties of copper slag as an Eco-friendly alternative construction material, Journal of structural Engineering, 2023
- Po-Chih Kuo, Biju Illathukandy, Zhuang Sun, Muhammad Aziz, Efficient conversion of waste-to-SNG via hybrid renewable energy systems for circular economy: Process design, energy, and environmental analysis, Waste Management https://doi.org/10.1016/j.wasman.2023.04.041 Volume 166, 1 July 2023, 2023, Pages 1-12
- 5. Tinku Casper D' Silva, Sameer Ahmad Khan,.......Biju Illathukandy, Ram Chandra, Virendra Kumar Vijay, Paruchuri M.V. Subbarao, Zoltán Bagi, Kornél L. Kovács, Liang Yu, Bhushan P. Gandhi, Kirk T. Semple, Biohydrogen production through dark fermentation from waste biomass: Current status and future perspectives on biorefinery development, Fuel https://doi.org/10.1016/j.fuel.2023.128842 Volume 350, 15 October 2023, 128842
- 6. Thambi SV, **Reghu Raj PC**. A novel technique using graph neural networks and relevance scoring to improve the performance of knowledge graph-based question answering systems. Journal of Intelligent Information Systems. 2024 Jan 22:1-24. online at https://doi.org/10.1007/s10844-023-00839-4 (Springer Nature)
- 7. **Sailesh R**, Doddamani M, Mailan Chinnapandi LB, Yuvaraj L, Pitchaimani J. Sound absorption and transmission loss of 3D printed wood fibre reinforced poly lactic acid with functionally graded perforations. Wood Material Science & Engineering. 2023 Dec 9:1-2.

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- 2. **CS Anoop**, AG Ramakrishnan, Meta-learning for Indian languages: Performance analysis and improvements with linguistic similarity measures, IEEE Access, 2023

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- 4. Sabarish Radoor, **Jasila Karayil**, Aswathy Jayakumar, Jyotishkumar Parameswara Pillai, Jaewoo Lee & Suchart Siengchin, Eco-friendly and low-cost bio adsorbent for efficient removal of methylene blue from aqueous solution, Scientific Reports, 12, 2022, 20580
- 5. Sabarish Radoor, **Jasila Karayil**, Aswathy Jayakumar, Jaewoo Lee, Debabrata Nandi, Jyotishkumar Parameswara Pillai, Suchart Siengchin, Polyvinyl alcohol/guar gum-based bio adsorbent for the removal of cationic and anionic dyes from aqueous solution, Polymer Bulletin, 80, 2022, 10165–10191
- 6. Sabarish Radoor, **Jasila Karayil**, Aswathy Jayakumar, Jaewoo Lee, Debabrata Nandi, Jyotishkumar Parameswara Pillai, Bishweshwar Pant, Suchart Siengchin, Efficient Removal of Organic Dye from Aqueous Solution Using Hierarchical Zeolite-Based Biomembrane: Isotherm, Kinetics, Thermodynamics and Recycling Studies, Catalysts, 12(8), 2022, 886
- 7. Sabarish Radoor, **Jasila Karayil**, Aswathy Jayakumar, Debabrata Nandi, Jyotishkumar Parameswara Pillai, Jaewoo Lee, Jyothi Mannekote Shivanna, Rajarathinam Nithya & Suchart Siengchin, Adsorption of Cationic Dye onto ZSM-5 Zeolite-Based Bio Membrane: Characterizations, Kinetics and Adsorption Isotherm, Journal of Polymers and the Environment, 30, 2022, 3279–3292
- 8. Rahamath K R, Reghu Raj P C, and Rafeeque PC, Malayalam Question Answering System Using Deep Learning Approaches. , IETE Journal of Research. , DOI: 10.1080/03772063.2022.2077846, 2022, 44939
- 9. P Lasin, VV Panicker, **FJ Emmatty**, Assessment of mental workload in a sorting task: a game-based approach, International Journal of Industrial and Systems Engineering, 43 (4), 2023, 529-554
- 10. Francis, Jobin; **Madathil, Baburaj**; George, Sudhish N; George, Sony;, A Nonconvex Low Rank and Sparse Constrained Multiview Subspace Clustering via I-1,2 induced Tensor Nuclear Norm, IEEE Transactions on Signal and Information Processing over Networks, 9(1), 2023, 612-625
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- 12. **E.Rahmathulla Noufal**, Experimental evaluation of the effect of infill in the dynamic responses of multi-storied structures, Materials Today ,Elsevier, vol.64,Part 2, 2022, pg:1137-1146
- 13. **T V Binu** and S Jayanti, Non-Isothermal Mass Transfer in Fluid Drops with Internal Circulation, Chemical Engineering & Technology, 46, 2023, pp. 1-7
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- 20. **Sindhu Nangarthody**, Sivasubramanian V, "Kinetic and Thermodynamic Analysis of Pyrolysis of Coconut Wood Residue" Asian Journal of Chemistry
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- 2. ARYA P, DEVIKA P, CHAITHANYA K K, FAIZ ASHRAF, **RAJI KARUNA**, A STEP TOWARDS POLLUTION ABATEMENT OF KALLAI RIVER BASIN, , 10-12 April, 2023
- Subhija EN, VG Reju, Computer Assisted Recognition of Oral Squamous Cell Carcinoma Using GLCM Features in Haar Wavelet Transformed Space and Random Forest Classifier, 2022 Second International Conference on Next Generation Intelligent Systems (ICNGIS), 29-31 July 2022
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- 9. Sythalakshmi C S, Arya C V, Aswathy G, **Baburaj M**, RPCA and Wavelet packet Decomposition based Network Traffic Anomaly Detection, 2022 IEEE 19th India Council International Conference (INDICON), 24-26 Nov 2022
- 10. Gopika A S, **Abdu Rahiman V**, Review of Text Summarization Algorithm Using Different Deep Recurrent Networks, The International Conference on Emerging Trends in Engineering Yukthi-2023, 10-12 April 2023, 2023, 108-113
- 11. Ahammed Fayadh P M, **Abdu Rahiman V**, A review of generative adversarial networks for text-to-image synthesis, The International Conference on Emerging Trends in Engineering Yukthi-2023, 10-12 April 2023, 2023, 114-120
- 12. Anjitha M P, **Abdu Rahiman V**, Performance analysis of attention mechanism in image captioning using deep learning methods, The International Conference on Emerging Trends in Engineering Yukthi-2023, 10-12 April 2023, 45155
- 13. Anaina P, Anaswara K, Anju Nanda Kumar, Fathimath Risvana and **Shajee Mohan B S,** Malpractice Detection in Examination Hall Using Machine Learning Algorithms, Elsevier SSRN eJournal, Proceedings of the International Conference on Emerging Trends in Signal Processing-Yukthi 2023.
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- 15. Sooryadas M and **Shajee Mohan B S**, Sentiment Analysis of Social Media Text Chats using Learning -based Algorithms, Elsevier SSRN eJournal, Proceedings of the International Conference on Emerging Trends in Signal Processing- Yukthi 2023
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