



# KONGU ENGINEERING COLLEGE

## CAMPUS R&D NEWS



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### PH.D VIVA-VOCE COMPLETED

1. Mr.P.Ganesh Prabhu, Research Scholar, Department of Civil Engineering defended his thesis entitled “Study on the performance of concrete by partial replacement of fine aggregate with scrap steel mill scale” on 09.06.2022 under the guidance of Dr.P.Chandrasekaran / Civil.
2. Mr.V.Sathya Narayanan, Research Scholar, Department of Electronics and Communication Engineering defended his thesis entitled “A certain investigation on efficient character recognition system for ancient historical documents” on 24.06.2022 under the guidance of Dr.N.Kasthuri / ECE.
3. Mr.D.Karthik, Research Scholar, Department of Civil Engineering defended his thesis entitled “Study on strength and durability properties of ternary blended self-compacting concrete with fiber” on 29.06.2022 under the guidance of Dr.K.Nirmalkumar / Civil.

### REFERRED JOURNAL PUBLICATIONS

1. Kulanthaivel, P., Soundara, B., Selvakumar, S., and Das, A., (2022). Effect of bio-cementation on the strength behaviour of clay soils using eggshell as calcium source. *Environmental Earth Sciences*, Vol.81(13), pp.251-258.
2. Raganathan, R., Sampathkumar Velusamy., Jothi Lakshmi Nallasamy., Manoj Shanmugamoorthy., Jesteena Johny., Senthilkumar Veerasamy., Dineshkumar Gopalakrishnan., Muralimohan Nithyanandham., Dhivya Balamoorthy., and Prabu Velusamy., (2022). Synthesis and Enhanced Photocatalytic Activity of Zinc Oxide-Based Nanoparticles and its Antibacterial Activity. *Journal of Nanomaterials*, Vol.2022, Article ID: 3863184.
3. Senthil Rajan Murugesan., Vivek Sivakumar., Sampathkumar Velusamy., Gokulan Ravindiran., Premkumar Sundararaj., Veerapathran Maruthasalam., Ravindaran Thangavel., Gowri Shankar Ramasamy., Mukesh Panneerselvam., and Selvakumar Periyasamy., (2022). Biosorption of Malachite Green from

Aqueous Phase by Tamarind Fruit Shells using FBR. *Advances in Materials Science and Engineering*, Vol.2022, Article ID: 8565524.

4. Mukesh, T.S., Kulanthaivel, P., Gowthaman, G., and Hariharan, J., (2022). Study on Physical and Mechanical Properties of Porous Concrete using Recycled Concrete Aggregate. *Materials Research Proceedings*, Vol.23, pp.304-310.
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11. Shankar, S., Nithyaprakash, R., Selvamani, K.A., Ponappa, K., Mohammad Uddin., and Santhosh, B.R., (2022). Effect of Radial Clearance, Corner Radius and Micro Lateralization on Contact Stress of Metallic and Ceramic Hip Prosthesis A Finite Element Analysis. *Defence Science Journal*, Vol.72(3), pp.441-449.

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