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Research areas : Retrofitting of structures, Sustainable Materials, Concrete structures, Health Monitoring of structures

**Recent Publications**

* Sulagno Banerjee, Jessy Rooby, Ductility of Tyre Rubber Concrete columns, International Journal of Advanced research in Engineering and Technology, 2020, 11(5), pp.516-528
* Sulagno Banerjee, Aritra Mandal,Jessy Rooby, “Review of tyre as aggregate replacement in concrete”, Journal of Critical Reviews, ISSN.2394-5125, Vol7, Issue 9, 2020
* P.S.Joanna, T.S.Parvati, Jessy Rooby, R.Preetha ‘A study on the flexural behavior of sustainable concrete beams with high volume fly ash’  Materials Today Proceedings  September 2020.
* S.Anand Raj,Jessy Rooby,P.O.Awoyera, R.Gobinath, “Structural distress in glass fibre-reinforced concrete under loading and exposure to aggressive environments”, Construction and Building Materials,197, 2019, pp.862-870. <https://doi.org/10.1016/j.conbuildmat.2018.06.090>
* Sulagno Banerjee, Jessy Rooby, “Behaviour of columns made from concrete content waste rubber as aggregate replacement”, Journal of Engineering and Applied Science, Volume 14, Issue 10, 2019, pp: 3430-3433.
* Aritra Mandal, Jessy Rooby, “Behaviour of Beams with waste rubber as aggregate replacement”, International Journal of Civil Engineering and Technology, Vol 10, Issue 2, 2019, pp.446-453.
* Shalini R Nair, Jessy Rooby, T.S.Parvati and.P.S.Joanna, “Response of Tall Structures Subjected to Constant and Varying Wind Velocity”, International Journal of Civil Engineering and Technology Volume 10, Issue 12, 2019, pp. 459-465.