

**Dr. Samson Mathew**

Director, National Transportation Planning and Research Centre

**Last 5 year Publications**

1. Effect of combining algorithms in smartphone based pothole detection, International Journal of Pavement Research and Technology, Year 2020
2. Pre-processing framework with virtual mono-layer sequence of boxes for video based vehicle detection applications, Multimedia Tools and Applications, Year 2020
3. A Feasible RSU Deployment Planner Using Fusion Algorithm, Wireless Personal Communications, Year 2020
4. Upgradation of pavement deterioration models for urban roads by non-hierarchical clustering, International Journal of Pavement Research and Technology, Year 2020
5. A collaborative framework for traffic information in vehicular adhoc network applications, Journal of Internet Services and Information Security, Volume 10, Year 2020, Pages 93-109
6. Spatial accessibility analysis of schools using geospatial techniques, Spatial Information Research, Year 2020
7. Evaluation of Coir Geotextile Reinforcement for Low-Volume Roads, Journal of Natural Fibers, Year 2020
8. Virtual mono-layered continuous containers for vehicle detection applications in intelligent transportation systems, Journal of Discrete Mathematical Sciences and Cryptography, Volume 23, Year 2020, Pages 321-328
9. Performance of coir geotextile reinforced subgrade for low volume roads, International Journal of Pavement Research and Technology, Year 2020
10. Influence of surface distresses on smartphone-based pavement roughness evaluation, International Journal of Pavement Engineering, Year 2020
11. Field Evaluation of Coir Geotextile Reinforced Subgrade for Low Volume Pavements, Journal of Natural Fibers, Year 2020
12. Prioritisation of pavement maintenance sections deploying functional characteristics of pavements, Janani, L.;Dixit, Raunak Kumar;Sunitha, V.;Mathew, Samson, International Journal of Pavement Engineering, Year 2019
13. Studying Land Use Travel Demand Interaction Using 3S Technology for Tiruchirappalli City, Radhakrishnan, Nisha;Aswathy, R.;Mathew, Samson, Journal of the Indian Society of Remote Sensing, Volume 45, Year 2017, Pages 815-824
14. Application of geospatial techniques to land suitability analysis, Kumar, Sathees;Radhakrishnan, Nisha;Mathew, Samson, International Journal of Sustainable Building Technology and Urban Development, Volume 6, Year 2015, Pages 39-47
15. D. Latha, V. Sunitha, Samson Mathew, Experimental Investigation to find Transition Temperature of VG-30 Binder, International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering, Vol. 9, No 12, 2015