

## LIST OF PUBLICATIONS

### Published in Journals

1. **Pandey, A.,** Kumar, B. “A comprehensive investigation on application of microsilica and rice straw ash in rigid pavement.” *Construction and Building Materials*, **Elsevier**, Vol. 252.  
DOI: 10.1016/j.conbuildmat.2020.119053
2. **Pandey, A.,** Kumar, B. “Investigation on the effects of acidic environment and accelerated carbonation on concrete admixed with rice straw ash and microsilica.” *Journal of Building Engineering*, **Elsevier**, Vol. 29.  
DOI: 10.1016/j.job.2019.101125
3. **Pandey, A.,** Kumar, B. (2019). “Effects of rice straw ash and micro silica on mechanical properties of pavement quality concrete.” *Journal of Building Engineering*, **Elsevier**, Vol. 26.  
DOI: 10.1016/j.job.2019.100889.
4. **Pandey, A.,** Kumar, B. (2019). “Evaluation of water absorption and chloride ion penetration of rice straw ash and microsilica admixed pavement quality concrete.” *Heliyon*, **Elsevier**, Vol. 5, Issue 8.  
DOI: 10.1016/j.heliyon.2019.e02256.
5. **Pandey, A.,** Kumar, B. (2019). “Investigating the Performance of Cement Mortar containing Rice Straw Ash, Microsilica and Their Composite by Compressive Strength.” *International Journal of Recent Technology and Engineering*, **BEIESP**, Vol. 7, Issue 6, pp. 91-94.
6. **Pandey, A.,** Kumar, B. (2019). “Preliminary Study of Cement Paste Admixed with Rice Straw Ash, Microsilica & Rice Straw Ash-Microsilica Composite.” *International Journal of Recent Technology and Engineering*, **BEIESP**, Vol. 7, Issue 5, pp. 302-307.

### Under Review in Journals

1. **Pandey, A.,** Kumar, B. “Utilization of agricultural and industrial waste as an SCM in M40 grade concrete pavement: A state-of-the-art review.” *Journal of Cleaner Production*, **Elsevier**
2. Prasad, D., **Pandey, A.,** Kumar, B. “Sustainable production of recycled concrete aggregates by lime treatment and mechanical abrasion for M40 grade concrete.” *Construction and Building Materials*, **Elsevier**, (Minor Revision submitted)

### Conferences

1. **Pandey, A.,** Kumar, B. “Analysis of rice straw ash for part replacement of OPC in pavement quality concrete.” 13<sup>th</sup> Research World International Conference, Singapore, 4<sup>th</sup> March 2016, ISBN: 978-93-85973-55-0
2. **Pandey, A.,** Kumar, B. “Perspectives on use of Rice Straw Ash for Partial Replacement of OPC in Rigid Pavements.” 3<sup>rd</sup> International Conference on Emerging Trends in Engineering and Technology, TMU, Moradabad, 9<sup>th</sup>-10<sup>th</sup> May 2014, ISBN 978-93-5174-119-0