

Publications

JOURNALS

• International

1. Vishakha Sakhare, **Sanjay Raut** and Rahul Ralegaonkar (2015) Performance assessment of sustainable composite roofing assemblies using experimentation, *Procedia Engineering*, Elsevier, Vol. 118, 268 – 275.
2. V.V.Sakhare, **S.P.Raut**, S.A.Mandavgane and R.V. Ralegaonkar (2015) Development of Sustainable Retrofitting Material for Energy Conservation of Existing Buildings, *International Journal of Civil Engineering*, Iran, Vol. 13, No. 4A: 411-418.
3. Subhashini Ramteke, S.P.Raut (2015) Pushover Analysis and Seismic Retrofitting Using Shear walls and Bracing System of Frame Structure, *International Journal of Modern Trends in Engineering and Research* 2 (04), 50-59.
4. **S.P. Raut, S.A. Mandavgane and R.V. Ralegaonkar** (2014) Application of Small-Scale Experimental Models for Thermal Comfort Assessment of Sustainable Buildings, *International Journal of Civil Engineering*, Iran, Vol. 12, Issue 4: 439-446.
5. Dhiraj Agrawal, U. P. Waghe and **S. P. Raut** (2014) Utilization of industrial waste in construction material, *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 3, Issue 1: 8390-8397.
6. **S.P. Raut, S.A. Mandavgane and R.V. Ralegaonkar** (2014) Thermal performance assessment of recycled paper mill waste - cement bricks using the small scale model technique, *Journal of Energy Engineering*, ASCE, Volume 140, Issue 4 (December 2014).
7. **S.P. Raut, R.V. Ralegaonkar and S.A. Mandavgane** (2013) Utilization of recycle paper mill residue and rice husk ash in production of light weight bricks *International Journal of Archives of Civil and Mechanical Engineering*, Elsevier, Volume I 3, pp. 269-275.
8. D. Rajput; S. S. Bhagade; **S P Raut**, R.V. Ralegaonkar; Sachin A. Mandavgane (2012) Reuse of cotton and recycle paper mill waste as building material, *International Journal of Construction & Building Materials*, Elsevier, Volume 34, pp. 470-475.
9. **S.P. Raut, Rohant Sedmake, Sunil Dhunde, R.V. Ralegaonkar and S.A. Mandavgane** (2012) Reuse of Recycle Paper Mill Waste in Energy Absorbing Light Weight Bricks *International Journal of Construction & Building Materials*, Elsevier, Volume 27, pp. 247-251.
10. **S.P. Raut, R.V. Ralegaonkar and S.A. Mandavgane** (2011) Development of Sustainable Construction Material Using Industrial and Agricultural Solid Waste: A Review of Waste-Create Brick, *International Journal of Construction & Building Materials*, Elsevier, 25, 10 :4037-4042.
11. U. P. Waghe and **S. P. Raut** (2011) Investigations into Synthetic Fibre Reinforced Concrete Beams, *International Journal of Advanced Materials Research*, Vol. 255-260 (2011): 284-288.
12. Sumit Badwaik and **S. P. Raut** (2011) Utilization of Waste Paper Pulp by Partial Replacement of Cement in Concrete, *International Journal of Engineering and Research Application*, Vol. 1, Issue 2:300-309.

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13. **S. P. Raut** and A. V. Patil (2010) Studies in use of expanded metal mesh (XPM) in form of grating, National Journal of Institute for Steel Development & Growth (INSDAG), Volume No 11, No. 02, July, 2010:77-84.

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14. R. V. Ralegaonkar, M. V. Madurwar, **S. P. Raut**, S. A. Mandavgane and V. A. Dakwale (2014) Application of solid wastes in sustainable building masonry products: A Techno-Environmental study- International conference on Sustainable Civil infrastructure, 17th -18th October 2014, IIT, Hyderabad.
15. Dhiraj Agrawal and **S. P. Raut** (2014) Study of Natural Disasters, its Management and Mitigation Strategies- International Conference on Disaster management, 13-14 March 2014, YCCE, Nagpur.
16. M V Madurwar, R V Ralegaonkar, S. A. Mandavgane & **S. P. Raut** (2013) Techno-economic feasibility of integration of green technologies for affordable housing, Second World Construction Symposium on Socio-economic sustainability in construction: Practice, Policy & Research, 14-15 June, 2013 Colombo, Sri Lanka.
17. **S. P. Raut**, R V Ralegaonkar, S. A. Mandavgane & M V Madurwar (2013) Use of recycle paper mill residue and fly ash in production of waste-create bricks, Second World Construction Symposium on Socio-economic sustainability in construction: Practice, Policy & Research, 14-15 June, 2013 Colombo, Sri Lanka.
18. **S. P. Raut**, R V Ralegaonkar & Sachin A. Mandavgane (2011) Application of Industrial Waste for Developing Energy Efficient False Ceiling Panels, International Congress on Environmental Research, 15-17 December, SVNIT, Surat, India.
19. **Rahul V Ralegaonkar, Sachin A Mandavgane, Vaidehi A. Dakwale & S P Raut (2011) Review of Sustainable Construction Materials using Nanotechnology.** India International Energy Summit, 28-30 January, VNIT, Nagpur, India
20. **Rahul V Ralegaonkar, Sachin A Mandavgane, Vaidehi A. Dakwale & S P Raut (2011) Performance Evaluation of Energy Efficient Waste-create Bricks.** India International Energy Summit, 28-30 January, VNIT, Nagpur, India
21. Nitesh Ambadkar and **S. P. Raut** (2011) Nonlinear Analysis of Buildings Frame- International Conference on Healthy Cities: Perspective of Asian Concerns, 28-30 January 2011, BNCA, Pune.
22. Roshan Hatwar and **S. P. Raut** (2011) Seismic Analysis and Design of steel Framed Multi storied Building using IS 800:2007, 28-30 January 2011, BNCA, Pune.

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23. **S. P. Raut** and A. V. Patil (2009) Studies in use of mild Steel Expanded Metal Mesh as Grating -A State of the Art Report- National Conference on "Recent Trends & challenges in Civil Engineering (RTCCE-09), 18-19 December 2009, KITS, Ramtek.

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25. **S. P. Raut**, R V Ralegaonkar & S. A. Mandavgane (2012) Strength Study of Light-Weight Recycle Paper Mill Waste Bricks- National conference on recent advances in chemical and environmental engineering, 20-21 January, NIT, Rourkela.
26. **S. P. Raut** (2014) Green Concrete for sustainable construction : A Review- All India Seminar on Innovations in Green Building Technology, 17-18 January 2014, IE(I), Nagpur.
27. Sanjeev Harinkhede and **S. P. Raut** (2014) Innovative alternatives of Seismic Retrofitting of Rural Housing- All India Seminar on Retrofitting of Concrete Structures, 23-24, January 2014, IE(I), Nagpur.