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| Areas of Interest | Structural Engineering; Steel Structures; Cold-formed Steel; Fatigue and Fracture | |
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Selected Publications (Past five years)

1. Lincy Rubina, S., **Vishnuvardhan, S.**, Raghava, G., Sivakumar, A., (2014) "Fatigue Life Estimation of Type 304LN Stainless Steel under Strain-controlled Cyclic Loading", International Journal of Civil Engineering and Technology, Vol. 5, (3), pp 252-260.
2. Gandhi, P., Saravanan, M., **Vishnuvardhan, S.**, Pukazhendhi, DM., Raghava, G., Sahu, M.K., Chattopadhyay, J., Dutta, B.K. and Vaze, K.K., (2013) "Experimental Fracture Studies on Carbon Steel Elbows with and without Internal Pressure", International Journal of Pressure Vessels and Piping, Vol. 111-112, pp 262-268.
3. **Vishnuvardhan, S.**, Raghava, G., Gandhi, P., Saravanan, M., Sumit Goyal, Punit Arora, Suneel K. Gupta and Vivek Bhasin, (2013) "Ratcheting Failure of Pressurised Straight Pipes and Elbows under Reversed Bending", International Journal of Pressure Vessels and Piping, Vol. 105-106, pp 79-89.
4. Rohit, **Vishnuvardhan, S.**, Gandhi, P. and Nagesh R. Iyer, (2012) "Monotonic and Cyclic J-integral Estimation for Through-wall Cracked Straight Pipes", Journal of World Academy of Science, Engineering and Technology, Vol. 68, pp 2075-2081.
5. **Vishnuvardhan, S.**, Raghava, G., Gandhi, P., Saravanan, M., Pukazhendhi, DM., Sumit Goyal, Suneel K. Gupta, Vivek Bhasin and Vaze, K.K., (2012) "Atcheting Studies on Type 304LN Stainless Steel Elbows subjected to Combined Internal Pressure and In-plane Bending Moment", Journal of Pressure Vessel Technology, Transaction of the ASME, Vol. 134, 041206, pp. 1-10.
6. Saravanan, M., Gandhi, P., Raghava, G., **Vishnuvardhan, S.**, Pukazhendhi, DM., Khan, I. A., Vivek Bhasin and Vaze, K. K., (2012) "Studies on the Effect of Compliance on Fracture Behaviour of Carbon Steel Pipes with Circumferential Through-wall Crack", International Journal of Pressure Vessels and Piping, Vol. 89, pp 67-74.
7. **Vishnuvardhan, S.**, Raghava, G., Gandhi, P., Saravanan, M. and Pukazhendhi, DM., (2011) "Studies on Fatigue Life Evaluation of Structural Connections of IS 2062 Steel", Civil Engineering Division, Journal of the Institution of Engineers (India), Vol. 92, pp 49-56.
8. **Vishnuvardhan, S.** and Samuel Knight, G.M., (2008)"Behaviour of Cold-formed Steel Single and Compound Plain Angles in Compression", International Journal of Advanced Steel Construction, Vol. 4, (1), pp 46-58.
9. **Vishnuvardhan, S.** and Samuel Knight, G.M., (2007) "Review of Codal Provisions for Cold-formed Sections Subjected to Compression", INSDAG's Steel in Construction, Vol. 8, (2), pp 31-42.
10. **Vishnuvardhan, S.**, Kandasamy, S. and Samuel Knight, G.M., (2005) "Fatigue Behaviour of Cold-formed Steel Lipped Angles", Transactions of the Indian Institute of Metals, Vol. 58, Nos. 2-3, pp 445-451.