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## AUTHOR'S PUBLICATIONS

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### Journal

1. Wali, Ashwarya Sheel., Tyagi, Amit. "Experimental investigation of surface-mounted optical fiber strain sensor using neural network analysis", International Journal of Materials and Structural Integrity,(Accepted-in press)
2. Wali, A. S., Tyagi, Amit. "Neural network model selection for dynamic strain measurement using frequency-domain parameters of fiber optic sensor", International Journal of Mechanical and Production Engineering Research and Development, Vol. 9, Issue 5, Oct 2019, pp. 319–332.
3. Wali, Ashwarya Sheel., Kumar, Sandeep., Tyagi, Amit. "Smart Wavelet Analysis for Diffuse Ultrasonic Waves of Structural Damage Investigation", Journal of Sound and Vibration, (Sumbitted).

## CONFERENCES

1. Wali, Ashwarya Sheel., Tyagi, Amit. “Comparative Study of Advance Smart Strain Approximation Method Using Levenberg-Marquardt and Bayesian Regularization Backpropagation Algorithm”, Materials Today Proceedings, Sixth international conference on recent advances in composite materials, Volume 21, Part 2, 2020, pp. 1380-1395.
2. Wali, A. S., Tyagi, Amit. “Smart strain approximation surface-mounted optical fiber strain sensor”, Smart Innovation System and Technologies (Springer), Proceedings of International Conference in Mechanical and Energy Technology, November, 2019, (Accepted).
3. Wali, Ashwarya Sheel., Tyagi, Amit. “Neural network based smart damage detection using a fiber optic sensor for aluminium 6063 cantilever beam”, Proceedings of International Conference in Mechanical and Energy Technology, November, 2019,(Accepted).