

Publications in peer reviewed journals

1. Vishal Singh, Rajesh Kumar, S. N. Patel, **Tanish Dey** and S. K. Panda, Instability and vibration analyses of functionally graded carbon nanotube-reinforced laminated composite (FG-CNTRLC) plate subjected to localized in-plane periodic loading, *Journal of Aerospace Engineering (ASCE)*, Accepted, 2021.
2. Vishal Singh, Rajesh Kumar, S. N. Patel and **Tanish Dey**, Non-linear Response and Buckling of Imperfect Laminated Composite Plates under In-Plane Pulse Forces, *Part C: Journal of Mechanical Engineering Science*, Accepted, 2021.
3. Sumeet Chakraborty and **Tanish Dey**, Non-linear stability analysis of CNT reinforced composite cylindrical shell panel subjected to thermomechanical loading, *Composite Structures*, 255, 112995, 2021.
4. Amit Jadav, Marco Amabili, S. K. Panda, **Tanish Dey** and Rajesh Kumar, Nonlinear damped vibrations of three-phase CNT-FRC circular cylindrical shell, *Composite Structures*, 255, 112939, 2021.
5. **Tanish Dey**, Chandra Sekhar Das and Naval Mishra, Behaviour of Confined Recycled Aggregate Concrete under Compressive Loading: An Experimental Investigation, *Journal of Building Engineering*, 32, 101825, 2020.
6. Anjana Sahu, Sukanta Chakraborty and **Tanish Dey**, Influence of Nano Silica on Mechanical and Durability Characteristic of Mortar made by Partial Replacement of Natural Fine Aggregate with Recycled Fine Aggregate, *Silicon*, 1-15, 2020.
7. Amit Jadav, Marco Amabili, S. K. Panda and **Tanish Dey**, Non-linear vibration response of functionally graded circular cylindrical shells subjected to thermo-mechanical loading, *Composite Structures*, 229, 111430, 2019.
8. **Tanish Dey** and L. S. Ramachandra, Computation of worst geometric imperfection profiles of composite cylindrical shell panels by minimizing the non-linear buckling load, *Applied Mathematical Modelling*, 74, 483-495, 2019.
9. Rajesh Kumar, **Tanish Dey** and S. K. Panda, Instability and vibration analyses of FG cylindrical panels under parabolic axial compressions, *Steel and Composite Structures*, 31, 187-199, 2019.
10. Sumeet Chakraborty, **Tanish Dey** and Rajesh Kumar, Stability and vibration analysis of CNT-Reinforced functionally graded laminated composite cylindrical shell panels using semi-analytical approach, *Composites Part B: Engineering*, 168, 1-14, 2019.
11. C. S. Das, **Tanish Dey**, R. Dandapat, B. B. Mukharjee and J. Kumar, Performance evaluation of polypropylene fibre reinforced recycled aggregate concrete, *Construction and Building Materials*, 189, 649-659, 2018

12. Amit Jadav, S. K. Panda and **Tanish Dey**, Coupled Dynamic Instability Analysis of Thin Walled Columns Subjected to Harmonic Axial Loading, *International Journal of Applied Mechanics*, 10, 1850051-1-22, 2018.
13. R. S. Padhi, R. K. Patra, B. B. Mukherjee and **Tanish Dey**, Influence of Incorporation of Rice Husk Ash and Coarse Recycled Concrete Aggregates on Properties of Concrete, *Construction and Building Materials*, 173, 289-297, 2018.
14. Amit Jadav, S. K. Panda and **Tanish Dey**, Non-linear Dynamic Instability Analysis of Thin-walled Stiffener Beam Subjected to Uniform Harmonic In-plane Loading, *Journal of Sound and Vibration*, 408, 383-399, 2017.
15. Amit Jadav, S. K. Panda and **Tanish Dey**, Non-linear Dynamic Instability Analysis of Mono-Symmetric Thin Walled Columns with Various Boundary Conditions, *International Journal of Mechanical Sciences*, 126, 242-254, 2017.
16. **Tanish Dey** and L. S. Ramachandra, Non-linear vibration analysis of laminated composite cylindrical shells, *Composite Structures*, 163, 89-100, 2017.
17. **Tanish Dey**, Rajesh Kumar and S. K. Panda, Postbuckling and postbuckled vibration analysis of sandwich plates under non-uniform mechanical edge loadings, *International Journal of Mechanical Sciences*, 115-116, 226-237, 2016.
18. **Tanish Dey** and L. S. Ramachandra, Linear and non-linear parametric instability behavior of cylindrical sandwich panels subjected to various mechanical edge loadings, *Mechanics of Advanced Materials and Structures*, 23 (1), 8-21, 2016.
19. **Tanish Dey** and L. S. Ramachandra, Dynamic stability of simply supported composite cylindrical shells under partial axial loading, *Journal of Sound and Vibration*, 353, 272-291, 2015.
20. **Tanish Dey** and L. S. Ramachandra, Static and dynamic instability analysis of composite cylindrical shell panels subjected to partial edge loading, *International Journal of Non-linear Mechanics*, 64, 46-56, 2014.
21. **Tanish Dey** and L. S. Ramachandra, Buckling and postbuckling response of sandwich panels under various mechanical edge loadings, *Composites Part B: Engineering*, 60, 537-545, 2014.
22. **Tanish Dey** and L. S. Ramachandra, Non-linear stability analysis of laminated composite simply supported circular cylindrical shells subjected to partial axial loading, *Journal of Engineering Mechanics (ASCE)*, 140 (8), 04014058, 2014.