

List of Publications from this Work

International Journal paper published:

1. H.P. Phadatare, B. Choudhary, B. Pratiher, Evaluation of nonlinear responses and bifurcation of a rotor-bearing system mounted on moving platform, *Nonlinear Dyn*, 90, (2017), 493–51.
2. H.P. Phadatare, V. Maheshwari, K.S. Vaidya, B. Pratiher, Large deflection model for nonlinear flexural vibration analysis of a highly flexible rotor-bearing system, *Int. J. Mech. Sci.*, 134, (2017), 532-544.
3. H.P. Phadatare, B. Pratiher Nonlinear modeling, dynamics, and chaos in a large deflection model of a rotor–disk–bearing system under geometric eccentricity and mass unbalance, - *Acta Mechanica*, 231, (2020), 907–928.
4. H.P. Phadatare, B. Pratiher, Dynamic Stability and Bifurcation Phenomena of an Axially Loaded Flexible Shaft-disk System Supported by Flexible Bearing, *Proceedings of the Institution of Mechanical Engineers, Part C*, (2020) (Accepted)

International conferences:

1. H.P. Phadatare, B. Pratiher, Nonlinear frequencies and unbalanced response analysis of high speed rotor-bearings, *International Conference on vibration problem (ICOVP)* (2016) 801 – 809.
2. H. Phadatare, S.Singh, B. Pratiher, Effect of Unbalance with Bearing Flexibility on Vibration Phenomenon of Geometrically Nonlinear Rotating Shaft with Ball-bearing, *iNaCoMM 2019*, IIT Mandi, India, September 1-4, 2019
3. S. Singh, H. Phadatare, B. Pratiher, Condition monitoring and identification of misalignment with initial unbalance of flexible rotor-bearing system, *iNaCoMM 2019*, IIT Mandi, India, September 1-4, 2019.

Under Review

1. H.P. Phadatare, B. Pratiher, Bifurcation analysis of a high-speed shaft-disk system with an unbalance and rub-impact effect. *Journal of vibration and controls* (Review submitted)
2. H.P. Phadatare, B. Pratiher, Nonlinear analysis of a multidisc rotating system with viscoelastic shaft under base excitation. *Journal of Sound and Vibration* (Under preparation)

