

Profile

Dr. Ravi Ranjan Kumar

Permanent Address : Durgapuri,
In Front of Commandant
Residence
B.M.P.-6 Muzaffarpur-842001 Bihar

Mobile No. : 8955255840; 9085659292

E-mail id : ravinits2014@gmail.com, infodrjha@gmail.com

Google Scholar Link : <https://scholar.google.co.in/citations?user=6n3m654AAAAJ&hl=en>



Academic Qualifications

Qualification	Stream	Board / University
Ph. D. (2019)	Mechanical Engineering (Machine Design)	NIT Silchar
M.Tech (2016)	Mechanical Engineering (Design & Manufacturing)	NIT Silchar
B.Tech (2014)	Mechanical Engineering	RTU Kota

Area of Interest: Uncertainty Quantification, Mechanics of Composites and functionally graded materials, Vibration analysis, Impact Engineering, Surrogate Modelling.

Experience:- September 2019- Till date: Assistant Professor (Guest), Jawaharlal Nehru University, New Delhi

Courses Taught

Monsoon Semester 2019	Engineering Drawing & Visualization
Winter Semester 2020	Thermodynamics
	Product Realization

Awards & Honours

- Qualified **GATE** (Graduate Aptitude Test in Engineering) in March, 2014.
- Received **MHRD fellowship** [2014 - 2016] for pursuing M.Tech.
- Received **MHRD institute fellowship** [2016-2019] for pursuing Ph.D.
- Member of International Association of Engineers (**IAENG**); membership number: 228474
- **Session Chair** in National Conference on Advancements & Modern Innovations in Engineering and Technology

Best Peer Reviewed Publications (upto 5)

1.	Kumar, R.R. , Mukhopadhyay, T., Pandey, K.M. and Dey, S., 2019. Stochastic buckling analysis of sandwich plates: The importance of higher order modes. International Journal of Mechanical Sciences, 152, pp.630-643. (SCI; Impact Factor: 4.631)
2.	Kumar, R.R. , Mukhopadhyay, T., Naskar, S., Pandey, K.M. and Dey, S., 2019. Stochastic low-velocity impact analysis of sandwich plates including the effects of obliqueness and

	twist. Thin-Walled Structures, 145, p.106411. (SCI; Impact Factor: 4.033)
3.	Kumar, R.R. , Pandey, K.M. and Dey, S., 2019. Probabilistic assessment on buckling behavior of sandwich panel:-A radial basis function approach. Structural Engineering and Mechanics, 71(2), pp.197-210. (SCI; Impact Factor: 2.804)
4.	Karsh, P.K., Kumar, R.R. and Dey, S., 2019. Stochastic impact responses analysis of functionally graded plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 41(11), p.501. (SCI; Impact Factor: 1.755)
5.	Kumar, R.R. , Karsh, P.K., Pandey, K.M. and Dey, S., 2019. Stochastic natural frequency analysis of skewed sandwich plates. Engineering Computations. (SCI; Impact Factor: 1.322)

Recent Peer Reviewed Journals/Books (upto 3):

1.	Karsh, P.K., Kumar, R.R. and Dey, S., 2020. Radial Basis Function-Based Stochastic Natural Frequencies Analysis of Functionally Graded Plates. International Journal of Computational Methods, 17(09), p.1950061. (SCI; Impact Factor: 1.716)
2.	Kumar, R.R. , Mukhopadhyaya, T., Pandey, K.M. and Dey, S., 2020. Prediction capability of polynomial neural network for uncertain buckling behavior of sandwich plates. In Handbook of Probabilistic Models (pp. 131-140). Butterworth-Heinemann.
3.	Kumar, R.R. , Pandey, K.M. and Dey, S., 2020. Effect of Skewness on Random Frequency Responses of Sandwich Plates. In Recent Advances in Theoretical, Applied, Computational and Experimental Mechanics (pp. 13-20). Springer, Singapore.