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 Designation : Assistant Professor (SG)  
 Degree (highest degree with year of graduation) : Ph.D., 2019  
 Experience : Industry : Academic : 2  
 Specialization : Structures  
 Research Area : Composites



Publication details:

1. **R. R. Kumar**, T. Mukhopadhyay, K. M. Pandey, S. Dey, “Stochastic buckling analysis of sandwich plates: The importance of higher order modes”, 2019, *International Journal of Mechanical Sciences*, Vol. No. 152, pp. 630-643, **SCI; Impact Factor: 5.329**.
2. **R. R. Kumar**, T. Mukhopadhyay, K. M. Pandey, S. Dey, “Stochastic low-velocity impact analysis of sandwich panels including the effects of obliqueness and twist”, *Thin-Walled Structures*, Vol. 145, 2019, 106411, **SCI; Impact Factor: 4.442**.
3. **R. R. Kumar**, K. M. Pandey, S. Dey, “Probabilistic assessment on buckling behavior of sandwich panel: - A radial basis function approach”, 2019, *Structural Engineering and Mechanics, An International Journal*, Vol. 71 (2), 2019, pp.197-210, **SCI, Impact Factor 3.524**.
4. **R. R. Kumar**, P. K. Karsh, Vaishali, K. M. Pandey, S. Dey, “Stochastic natural frequency analysis of skewed sandwich plates”, 2019, *Engineering Computations*, Vol. 36 (7), 2019, pp. 2179-2199, **SCI, Impact Factor 1.593**.
5. P. K. Karsh, **R. R. Kumar**, S. Dey, Stochastic impact responses analysis of functionally graded plates, *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, Vol. 41 (11), 2019, pp. 501, **SCI; Impact Factor: 2.220**.
6. P. K. Karsh, **R. R. Kumar**, S. Dey, “Radial basis function based stochastic natural frequencies of functionally graded plates”, 2019, *International Journal of Computational Methods*, **SCI, Impact Factor 2.193**.
7. Vaishali, T. Mukhopadhyay, **R. R. Kumar**, S Dey, “Probing the multi-physical probabilistic dynamics of a novel functional class of hybrid composite shells”, 2020, *Composite Structures*, p.113294, **SCI, Impact Factor 5.407**.
8. P.K. Karsh, B. S. Thakkar, **R. R. Kumar**, A. Kumar, S. Dey, “Effect of delamination on natural frequencies of E-glass and S-glass epoxy composite plates”, 2021, *European Journal of Computational Mechanics*, Vol 29 (4-6), **Web of Science**
9. P.K. Karsh, B. S. Thakkar, **R. R. Kumar**, Vaishali, S. Dey, “Oblique probabilistic impact analysis of FG plates – A MARS approach”, 2021, *European Journal of Computational Mechanics*, (Accepted), **Web of Science**

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Conference attended/organized: 10

Workshop attended/ organized: 9

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