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## Publications

### Journal Articles

- 2024 Surendra Verma, Abha Gupta, Rabindra Prasad, and Donatus Oguamanam. Nurbs-based isogeometric formulation for linear and nonlinear buckling analysis of laminated composite plates using constrained and unconstrained tsdts. *Aerospace Science and Technology*, page 109561. Elsevier BV, September 2024.
- 2024 Harish K. Sharma, Manish C. Srivastava, Basudeb Rajak, Suraj Singh, Surendra Verma, Rahul Kumar, and Jeeoot Singh. Effect of porosity on stability analysis of bidirectional fgm skew plate via higher order shear deformation theory and rbf approach. *International Journal of Steel Structures*, volume 25, page 55â67. Springer Science and Business Media LLC, October 2024.
- 2024 Smruti Ranjan Sahoo, Surendra Verma, and B. N. Singh. Bending analysis of functionally graded plates under mechanical and thermal environment using non-polynomial shear deformation theory. *International Journal of Advances in Engineering Sciences and Applied Mathematics*. Springer Science and Business Media LLC, May 2024.
- 2023 Surendra Verma, Abha Gupta, Babu Ranjan Thakur, Donatus Oguamanam, and BN Singh. A unified buckling formulation for linear and nonlinear analysis of laminated plates using penalty based c0 fem-hsdt model. *International Journal of Non-Linear Mechanics*, page 104619. Elsevier, 2023.
- 2023 Nikul Jani, G. Chakraborty, and Surendra Verma. Parametrically excited microcantilever beam under large deflection and mass sensing. *Meccanica*, volume 58, pages 933–957. Springer Science and Business Media LLC, apr 2023.
- 2022 Abha Gupta, Surendra Verma, and Anup Ghosh. Static and dynamic NURBS-based isogeometric analysis of composite plates under hygrothermal environment. *Composite Structures*, volume 284, page 115083. Elsevier BV, mar 2022.
- 2021 Surendra Verma, Babu Ranjan Thakur, B.N. Singh, and D.K. Maiti. Geometrically nonlinear flexural analysis of multilayered composite plate using polynomial and non-polynomial shear deformation theories. *Aerospace Science and Technology*, volume 112, page 106635. Elsevier BV, may 2021.
- 2021 Babu Ranjan Thakur, Surendra Verma, B.N. Singh, and D.K. Maiti. Geometrically nonlinear dynamic analysis of laminated composite plate using a nonpolynomial shear deformation theory. *International Journal of Non-Linear Mechanics*, volume 128, page 103635. Elsevier BV, jan 2021.
- 2021 Babu Ranjan Thakur, Surendra Verma, B.N. Singh, and D.K. Maiti. Dynamic analysis of flat and folded laminated composite plates under hygrothermal environment using a nonpolynomial shear deformation theory. *Composite Structures*, volume 274, page 114327. Elsevier BV, oct 2021.
- 2020 Babu Ranjan Thakur, Surendra Verma, B.N. Singh, and D.K. Maiti. Dynamic analysis of folded laminated composite plate using nonpolynomial shear deformation theory. *Aerospace Science and Technology*, volume 106, page 106083. Elsevier BV, nov 2020.

## Book Chapters

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## Patent

Filled **A holder for stirrer**, Inventor: Rabindra Prasad; Co-Inventors: Harikishor Kumar, Parshant Kumar, Abha Gupta, and Surendra Verma. Application No. 202211036036