
Patent

- Filled **A holder for stirrer**, Inventor: Rabindra Prasad; Co-Inventors: Harikishor Kumar, Parshant Kumar, Abha Gupta, and Surendra Verma. Application No. 202211036036
- To be filled **Fabrication of Low-Cost Localized Metallic Foam via Friction Stir Processing**, Inventor: Rabindra Prasad; Co-Inventors: Harikishor Kumar, Parshant Kumar, Abha Gupta, Surendra Verma, and Nitesh Kumar Sinha.

Publications

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- 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.

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- 2022 Babu Ranjan Thakur, Surendra Verma, D. K. Maiti, and B. N. Singh. Effect of hygrothermal environment on dynamic behaviour of folded laminated composite plate. In *Aerospace and Associated Technology*, pages 112–117. Routledge, sep 2022.

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- 2022 Smruti Ranjan Sahoo, Surendra Verma, and BN Singh. Bending analysis of functionally graded plates under mechanical and thermal environment using non-polynomial shear deformation theory. In *Proceedings of the 67th International Congress of ISTAM*. Indian Society of Theoretical and Applied Mechanics (ISTAM), dec 2022.

- 2019 Babu R. Thakur, Surendra Verma, Bhriugu N. Singh, and Dipak K. Maiti. Dynamic analysis of laminated composite plate using non-polynomial shear deformation theory under hygrothermal environment. In *AIAA Scitech 2019 Forum*. American Institute of Aeronautics and Astronautics, January 2019.
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