

Publications

(a) Book Chapters

- “Crushing analysis of tapered circular corrugated tubes subjected to impact loading”, S. Rawat, A.K. Upadhyay, and **K.K. Shukla**, *Recent Advances in Structural Engineering*, Volume 2 ,197-205, Lecture Notes in Civil Engineering 12, 197-205, eBook ISBN: 978-981-13-0365-4; Hardcover ISBN: 978-981-13-0364-7, Editors: A Rama Mohan Rao, K. Ramanjaneyulu, Publisher: Springer Singapore, DOI: 10.1007/978-981-13-0365-4_17, (2019).
- “Static Response of Thin Walled CNT Reinforced Laminated Composite Box Beam”, T. Sharma, V. Murari, and **K.K.Shukla**, *Recent Advances in Structural Engineering*, Vol. 2, 723-734, Lecture Notes in Civil Engineering 12, 197-205, eBook ISBN: 978-981-13-0365-4; Hardcover ISBN: 978-981-13-0364-7, Editors: A Rama Mohan Rao, K. Ramanjaneyulu, Publisher: Springer Singapore, DOI 10.1007/978-981-13-0365-4 (2019).
- “Buckling and Post-buckling of Composite Plates Under Thermal Loadings”, **K.K. Shukla** and R. Pandey, *Encyclopedia of Thermal Stresses*, Editor- R. Hetnarski, DOI 10.1007/978-94-007-2739-7, © Springer Science+Business Media Dordrecht , 505-516, (2014).
- “Nonlinear Stability and Dynamics of Laminated Composite Plates & Shells”, *Vibration Problems ICOVP 2005*, Springer Proceedings in Physics Book Series (SPPHY, Vol.111), 415-427.

(b)Text Book

- “An Introduction to Strength of Materials” **K.K.Shukla**, Anuj Jain,& Ramesh Pandey (Narosa Publications , 2014, ISBN: 978-81-8487-101-2)

(c)Book/Proceedings edited

- “Proceeding of the International Conference on Multifunctional Materials, Structures and Applications”, P.Chakrabarti, Sanjeev Khanna, **K.K. Shukla**, Naresh Kumar, A. Bhar (McGraw Hill Education (India) Pvt. Ltd. New Delhi, 2014, ISBN: 978-93-392-2019-8)

(d) List of Publications (Journals)

- Shyam K, Chaudhary, V.R. Kar, and **K.K. Shukla**, “Flexural Behaviour of Perforated Functionally Graded Composite Panels under Complex Loading Conditions: A Higher-Order Finite Element Approach”, *J. Aerospace Engineering, ASCE*, 34(6), 04021081 (1-10). (**SCI**)
- Tushar Sharma, S. Choudhury, V.Murari, and **K.K. Shukla** , “ The Effect of Shear Web on Dynamic Response of a Wind Turbine Blade Subjected to Actual Dynamic Load”, *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, (Accepted) (**Scopus**)
- T. Sharma, V.Murari, and K.K. Shukla, (2021)“ Effects of Aerofoil, Twist and Wind Speed on the Structural Response of 1D Model of Wind Turbine Blade”, *J. of Structural Engineering (CSIR-SERC)*, 48(2), 164-178 (**Scopus**)
- Akhileswar Pandey, A.K. Upadhyay, and **K.K. Shukla** (2021), Lightning Strike Response of Composite Structures: A Review”, *Journal of Metals, Materials and Minerals*, 31(1), 1-10. (**Scopus**)
- T. Sharma, V. Murari, and K. K. Shukla (2021), “Static Analysis of Wind Turbine Blade using 1D FE Mode” *International Journal of Engineering, Science and Technology*, 13(1), 125-130.
- K.Yadav, A.K.Upadhyay, A.K., and **K.K. Shukla** (2019).“Effect of Obliquity on Ballistic Impact Response of Plain-Woven fabric”, *Int. J. of Materials and Structural Integrity*, 13 (1-3), 93-109. (**Scopus**)
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- Tarun, Rajendra Bahadur, A.K. Upadhyay, and **K.K. Shukla** (2018), “Dynamic Analysis of Functionally Graded Curved Sandwich Panels”, *J. of Structural Engineering (CSIR-SERC)*, 45 (1), 52-60. (**Scopus**)

- T.Sharma,V.Murari, and **K.K. Shukla** (2018), “Static Analysis of Thin Walled Composite and Sandwich Box Beam”, *J. Structural Engineering (CSIR-SERC)*, 45(1), 86-98. **(Scopus)**
- A. Khurana, T. Sharma, and **K.K. Shukla** (2018) “Analysis of Thin Walled Composite Box Beam with and without Piezoelectric Actuators using ABAQUS”, *J. Structural Engineering (CSIR-SERC)*, 45(1), 99-109. **(Scopus)**
- Rajendra Bahadur, A.K. Upadhyay, and **K.K. Shukla** (2018), “Dynamic Behaviour of Curved Panels of Rectangular Planar Form: An Analytical Approach”, *Int. J. Structural Stability and Dynamics*, 18 (6), 1850084-1-24. **(SCI)**
- S. Choudhury, T. Sharma, and **K.K. Shukla** (2017), “Effect of Orthotropy Ratio of the Shear Web on the Aero-Elasticity and Torque Generation of a Hybrid Wind Turbine Blade”, *Renewable Energy*, 113, 1378-1387. **(SCI)**
- Rajendra Bahadur, A.K.Upadhyay, and **K.K. Shukla** (2017), “Static Analysis of Singly and Doubly Curved Panels on Rectangular Plan-form”, *Steel and Composite Structures*, 24 (6), 659-670. **(SCI)**
- Kumar Soni, A.K. Upadhyay, and **K.K. Shukla** (2017), “Stress Analysis for an Infinite Plate with Circular Holes”, *Material Today: Proceedings, Elsevier*, 4(2), 2323-2332. **(Scopus)**
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- Sandeep Singh, Jeeoot Singh, and **K.K. Shukla** (2015), “Buckling of Laminated Composite and Sandwich Plates Using Radial Basis Function Collocations”, *International Journal of Structural Stability and Dynamics*,15(1), 1540002. **(SCI)**
- H. Singh, R. Prakash, and **K.K. Shukla** (2015), “Economic and Environmental Benefits of Roof Insulation in Composite Climate of India”, *Climate Change, The International Quarterly journal* ISSN 2394-8558 EISSN 2394-8566, 1(4), 397-403.
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- A. K. Upadhyay, and **K. K. Shukla** (2013), “Nonlinear Static and Dynamic Analysis of Skew Sandwich Plates”, *Composite Structures*, 105, 141-148. **(SCI)**
- A. K. Upadhyay, and **K. K. Shukla** (2013), “Geometrically Nonlinear Static and Dynamic Analysis of Functionally Graded Skew Plates”, *Communications in Nonlinear Sciences and Numerical Simulation*, 18(8), 2252-2279. **(SCI)**
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(e) *Conferences (International/National)*

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