

- Shashi Prakash and **Murari V.**, "Effect of Glass Yarn Reinforcements and Their Configurations in Enhancing the Effectiveness of Repair in Composites", *Polymer Composites*, Vol. xx(xx), 2026, pp. 1-13;
<https://doi.org/10.1002/pc.71241>
Published Online - 24.05.2026; Issue - Yet to be allocated;
(SCI, SCIE, Scopus) Q1; IF-4.7;
- Shashi Prakash and **Murari Venkataramanujam**, "Flexural Response of Patch Repaired Composite Cantilever Beams Loaded in Edgewise Direction", *Mechanics of Advanced Materials and Structures*, Vol. xx, 202x, pp. 1-13;
<https://doi.org/10.1080/15376494.2025.2606901>
Published Online - 01.01.2026; Issue - Yet to be allocated;
(MSCI, Scopus) Q1;
- Saurabh Kureel and **Murari Venkataramanujam**, "Dynamic Crushing Behavior of Helical Overlapped Woven Glass/Epoxy Composite Tubes under Repetitive Drop Weight Impact Loading", *Journal of Testing and Evaluation*, Vol. 54(2), 2026, pp. 414-433;
<https://doi.org/10.1520/JTE20240438>
Published Online - 28.08.2025; Issue Published - Mar. 2025;
(SCI, SCIE, Scopus) Q3; IF-0.8;
- Shashi Prakash and **Murari V.**, "Flexural response of patch repaired composite cantilever beams loaded in Flapwise direction", *Polymer Composites*, Vol. 46(S3), 2025, pp. S139-S151;
<https://doi.org/10.1002/pc.29956>
Published Online - 17.04.2025; Issue Published - Oct. 2025;
(SCI, SCIE, Scopus) Q1; IF-4.7;
- Saurabh Kureel and **Murari V.**, "Crashworthy Behavior of Multilayered and Multitubular Glass/ Epoxy Fiber Reinforced Composite Tube with Different Helical Overlap Configurations", *Materials Performance and Characterization*, Vol. 13(1), 2024, pp. 174-200;
<https://doi.org/10.1520/MPC20230119>
Published Online - 02.07.2024; Issue Published - Jul. 2024;
(ESCI, Scopus) Q3; IF-0.8; **Citations(1)**;
- Amiy Chandraul, **Murari V** and Satish Kumar, "A review on dynamic analysis of membrane based space structures", *Advances in Space Research*, Vol. 74(2), 2024, pp. 740-763;
<https://doi.org/10.1016/j.asr.2024.03.082>
Published Online - 06.04.2024; Issue Published - Jul. 2024
(SCIE, Scopus) Q1; IF-2.8; **Citations(11)**;
- Saurabh Kureel and **Murari V.**, "Crashworthy Behavior of Plain Weave Glass/Epoxy Composite Tubes Containing Different Extents of Overlap of Dropped Plies", *Mechanics of Advanced Composite Structures*, Vol. 11(1), 2024, pp. 87-102;
<https://doi.org/10.22075/mac.2023.30353.1497>
Published Online - 25.11.2023; Issue Published - Apr. 2024;
(Scopus) Q2; **Citations(1)**;
- Saurabh Kureel and **V. Murari**, "The Effect Of Different Winding Configurations On The Crushing Response Of Helical Wound Woven Glass/Epoxy Composite Tubes", *Composites: Mechanics, Computations, Applications, An International Journal*, Vol. 15(3), 2024, pp. 1-24;
<https://doi.org/10.1615/CompMechComputApplIntJ.2024051024>
Published Online - 09.01.2024; Issue Published - Feb. 2024;
(ESCI, Scopus) Q4; IF-0.4; **Citations(2)**;
- Tushar Sharma, **V. Murari**, and K. K. Shukla, "Static Analysis of Wind Turbine Blade using 1D FE Model" *International Journal of Engineering, Science and Technology*, Vol. 13(1), 2021, pp., 125-130; eISSN: 2141-2839; print ISSN: 2141-2820;
<https://doi.org/10.4314/ijest.v13i1.19S>
Published Online - 09.07.2021;
- Tushar Sharma, **V. Murari** and K.K. Shukla, "Effects of Aerofoil, Twist and Wind Speed on the Structural Response of 1D Finite Element model of Wind Turbine Blade", *Journal of Structural Engineering (CSIR-SERC)*, 48(2), 2021, pp.131-145;
ISSN 0970-0137
Issue Published - July 2021;
(Scopus) Q4; **Citations(2)**;

- Tushar Sharma, Santanu Choudhury, **V Murari** and K.K. Shukla, "The effect of shear web on the dynamic response of a wind turbine blade subjected to actual dynamic load", *Journal of Materials: Design and Applications*, Vol. 235(8), 2021, pp.1868-1878;
<https://doi.org/10.1177/14644207211015264>
 Published Online - 09.06.2021; Issue Published - Aug. 2021
 (SCIE, Scopus) Q2; IF-2.2; **Citations(3)**
- Tushar Sharma, **V. Murari** and K.K. Shukla, "Static analysis of thin walled composite and sandwich box beam", *Journal of Structural Engineering(CSIR-SERC)*, Vol.45(1), 2018, pp.86-98;
 ISSN 0970-0137
 Issue Published - Apr.-May 2018;
 (Scopus) Q4;
- V. Murari**, and C. S. Upadhyay, "Micromechanics based diffuse damage model for unidirectional composites," *Composite Structures*, Vol. 96, 2013, pp.419-432;
<https://doi.org/10.1016/j.compstruct.2012.09.008>
 Published Online - 23.09.2012; Issue Published - Feb. 2013;
 (SCIE, Scopus) Q1; IF-7.1; **Citations(14)**;
- V. Murari**, and C. S. Upadhyay, "Micromechanics based ply level material degradation model for unidirectional composites," *Composite Structures*, Vol. 94, 2012, pp.671-680;
<https://doi.org/10.1016/j.compstruct.2011.09.001>
 Published Online - 09.09.2011; Issue Published - Jan. 2012;
 (SCIE, Scopus) Q1; IF-7.1; **Citations(35)**;
- V. Murari**, and C. S. Upadhyay, "Towards a generalized macro-level damage model for unidirectional composites," *Advanced Materials Research*, Vols. 47-50, 2008, pp. 869-872;
<https://doi.org/10.4028/www.scientific.net/AMR.47-50.869>
 Published Online - 12.06.2008;
 (Scopus); **Citations(5)**;

CONFERENCE
PUBLICATIONS
(23)

- Amiy chandraul, **Murari V.**, and Satish kumar, "Vibration Analysis of Membrane-Based Space Structures Using Analytical Method", *International Conference on Advances in Science and Technology (ICAST-2025)*, Institute of Technology and Management(ITM), Dehradun, Uttarakhand, India, 23rd - 25th June, 2025.
- Amiy chandraul, **Murari V.**, and Satish kumar, "Wrinkling Analysis of Adaptive Membrane Structures at On-orbit Conditions", *International Conference on Space for Sustainability: Science, Technology, Education and Policy (S2: STEP2025) & 6th Indian Planetary Science Conference (IPSC-2025)*, Centre for space science and Technology (CSST), IIT Roorkee, Roorkee, India, 4th - 7th March, 2025.
- Amiy chandraul, Paras Nath Rai, **Murari V.**, and Satish kumar, "Neutral Angle Characterization in Single-Creased Membranes: An Experimental Approach", *International Conference on Space for Sustainability: Science, Technology, Education and Policy (S2: STEP2025) & 6th Indian Planetary Science Conference (IPSC-2025)*, Centre for space science and Technology (CSST), IIT Roorkee, Roorkee, India, 4th - 7th March, 2025.
- Amiy chandraul, **V. Murari**, and Satish kumar, "Effect of Added Mass of Air on the Vibration Analysis of the Inflatable Torus", *International Conference on Advances in Aerospace and Energy Systems (IAES 2024)*, LPSC, ISRO, Valiamala Thiruvananthapuram Kerala, India, 4th - 6th April, 2024.
- Amiy chandraul, **V. Murari**, and Satish kumar, "Parametric Study for Modal Analysis Of Inflatable Torus", *International Conference on Innovative Science, Engineering & Technology (ICIS-TECH2023)*, Amity University, Patna, India, 7th - 8th December, 2023.
- Amiy Chandraul, **V. Murari**, Satish Kumar, "Dynamic Analysis and Shape Control of Membrane Structures, *International Conference on Advancements in Interdisciplinary Research, Theme: Smart and Sustainable Society (AIR 2022)*, MNNIT Allahabad, India, May 6-7, 2022.
- Aquib Ahmad Siddiqui, **V. Murari**, Satish Kumar, "Simulation of Deployment of Inflatable Structures through Uniform Pressure Method", *International Conference on Advanced Manufacturing and Materials Processing (CAMMP 2021)*, MNIT Jaipur, July 24-25, 2021.

- Tushar Sharma, **V. Murari**, and K. K. Shukla, "Static Analysis of Wind Turbine Blade using 1D FE Model", *Int. Conf. on Energy, Environment & Material Science (ICE2M)*, MMMUT Gorakhpur, Dec.01-03, 2019.
- Saurabh Kureel and **V. Murari**, "Effect of geometry of dropped-off edges on the impact response of woven composite laminate with ply drops", *Second International Conference on Mechanical, Materials and Renewable Energy (ICMMRE 2019)*, Majitar, Sikkim, December 6-7, 2019.
- Dhananjay Tandel and **V. Murari**, "Effect of damage on the initiation and growth of plastic zone and its effect on the overall mechanical response", *Indian Conference on Applied Mechanics (INCAM 2019)*, IISc Bangalore, pp.750-753, July 3-5, 2019.
- Manish Kumar and **V. Murari**, "Progressive damage analysis of woven composite tube with ply-drop under compression", *Indian Conference on Applied Mechanics (INCAM 2019)*, IISc Bangalore, pp.837-844, July 3-5, 2019.
- Tushar Sharma, **V. Murari** and K.K.Shukla, "Static Analysis of Thin Walled Sandwich Composite Box Beam", *Indian Conference on Applied Mechanics (INCAM 2017)*, MNNIT Allahabad, July 5-7, 2017.
- Tushar Sharma, **V. Murari**, and K.K.Shukla, "Static Response of Thin Walled CNT Reinforced Laminated Composite Box Beam", *Structural Engineering Convention (SEC 2016)*, CSIR Campus, Taramani, Chennai, India, December 21-23, 2016.
- Tushar Sharma, **V. Murari**, and K.K.Shukla, "Static Analysis of Doubly Tapered Thin Walled Composite Box Beam Under Axial Loading", *Sixth International Congress on Computational Mechanics and Simulation (ICCMS 2016)*, IIT Bombay, India, June 27 - July 1, 2016.
- Sunil K. Singh, Tushar Sharma, **V. Murari**, and K.K.Shukla, "Effect of Airfoil Shape and Taper along the Blade Span on Static and Dynamic Behavior of Wind Turbine Blades", *Indian Conference on Applied Mechanics (INCAM 2015)*, IIT Delhi, July 13-15, 2015. **Citations(1)**;
- V. Murari**, and C. S. Upadhyay. "On the variation in length scale of nonlocal influence with damage evolution." *Indian Conference on Applied Mechanics (INCAM 2013)*, IIT Madras, India, July 4-6, 2013.
- R. Dhama, C. S. Upadhyay, and **V. Murari**. "Effect Of Coupling Of Damage Mechanisms In The Degradation Model Of Composite Laminates." *54th AIAA/ ASME/ ASCE/ AHS/ ASC Structures, Structural Dynamics, and Materials Conference*, Boston, April 8-11, 2013. **Citations(2)**;
- C. S. Upadhyay, **V. Murari**, and R. Dhama. "Micro-mechanics based modeling of diffused damage evolution in unidirectional composites." *International Conference on mechanics of nano, micro and macro composite structures*, Politecnico di Torino, Italy, June 18-20, 2012.
- V. Murari**, and C. S. Upadhyay. "Finite element based micromechanical analysis for influence of damage." *National Seminar on Aerospace Structures (NASAS 2011)*, IIT Kanpur, India, September 22-24, 2011.
- V. Murari**, and C. S. Upadhyay. "Micromechanics based damage modeling for unidirectional composites: some recent developments." *International Conference on Composites for 21st century: Current and Future Trends (ICC-CFT 2011) (combined with ISAMPE National Conference on Composites, INCCOM-9)*, IISc Bangalore, India, January 4-7, 2011. (Invited Paper)
- C. S. Upadhyay, and **V. Murari**. "Towards a micromechanics based damage model for unidirectional composites." *37th Solid Mechanics Conference (SOLMECH 2010)*, Warshaw, Poland, September 6-10, 2010.
- V. Murari**, and C. S. Upadhyay. "Towards a generalized macro-level damage Model for unidirectional composites." *International Conference on Multi-functional Materials and Structures (MFMS)*, Hong Kong, China, July 28-31, 2008.
- S. Prabu, **V. Murari**, C. S. Upadhyay. "Three dimensional homogenization based study of effect of damage in unidirectional composites." *4th International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM)*, IIT Kharagpur, India, December 27-29, 2007. (Invited Paper)

Chandraul, A., Singh, P., Chilwal, A., **Murari, V.**, Kumar, S. "Parametric Study for Modal Analysis of an Inflatable Torus", in Singh, D.K., Sambhav, S., Pandey, A.K., Ismail, A., Zulkipli, F.N., Öchsner, A. (editors), *Advanced Engineering and Sustainable Solutions. Advanced Structured Materials, vol 228*, Chapter 6, pg.53-63, Print ISBN: 978-3-031-81127-2, Online ISBN: 978-3-031-81128-9, Springer, Cham (2025).
https://doi.org/10.1007/978-3-031-81128-9_6
Published Online - 20-03-2025

Aquib Ahmad Siddiqui, **V. Murari**, and Satish Kumar. "Simulation of Deployment of Inflatable Structures Through Uniform Pressure Method", in Patnaik, A., Kukshal, V., Agarwal, P., Sharma, A., and Choudhary, M. (editors), *Soft Computing in Materials Development and its Sustainability in the Manufacturing Sector (1st ed.)*, Chapter 8, pg.145-158, ISBN: 978-0-367-72358-3 (hbk), 978-0-367-72360-6 (pbk), 978-1-003-15451-8 (ebk), CRC Press (2022).
<https://doi.org/10.1201/9781003154518>
Published Online - 25-08-2022

Ali, S., and **Murari, V.** "Miniaturization of Test Specimen for Composites." In M. Uthayakumar, S. Raj, T. Ko, S. Kumaran, and J. Davim (editors), *Handbook of Research on Green Engineering Techniques for Modern Manufacturing*, Chapter 4, pp. 49-76. ISBN13: 9781522554455, ISBN10: 1522554459, EISBN13: 9781522554462, IGI Global (2019).
<https://doi.org/10.4018/978-1-5225-5445-5.ch004>
Published Online - 2019

Sharma, T., **Murari, V.**, Shukla, K.K. "Static Response of Thin Walled CNT Reinforced Laminated Composite Box Beam", in A Rama Mohan Rao, K. Ramanjaneyulu,(editors), *Recent Advances in Structural Engineering*, Vol. 2, 723-734, *Lecture Notes in Civil Engineering 12*, eBook ISBN: 978-981-13-0365-4; Hardcover ISBN: 978-981-13-0364-7, Springer Singapore (2019).
https://doi.org/10.1007/978-981-13-0365-4_61
Published Online - 02-08-2018; Book Published - 2019