

Publications – Journal papers:

1. "Improvements in the crushing behaviour of glass fibre-epoxy composite tubes by the addition of hollow glass particles," *Thin-Walled Structures* (Impact factor: 4.033), 141, 111-118, August 2019.

DOI: <https://doi.org/10.1016/j.tws.2019.03.033>

Authors: Daniel Paul, R. Velmurugan, N.K. Gupta

2. "Experimental and analytical studies of syntactic foam core composites for impact loading," *International Journal of Crashworthiness* (Impact factor: 1.477), Article in Press
DOI: <https://doi.org/10.1080/13588265.2020.1797346>

Authors: Daniel Paul, R. Velmurugan, N.K. Gupta

3. "Analysis of syntactic foam–GFRP sandwich composites for flexural loads," *Journal of Physics: Conference Series*, 991(1), 012064, April 2018.

DOI: <https://doi.org/10.1088/1742-6596/991/1/012064>

Authors: Daniel Paul, R. Velmurugan, R. Jayaganthan, N.K. Gupta, A.V. Manzhurov

4. "Analysis of the specific properties of glass microballoon-epoxy syntactic foams under tensile and flexural loads," *Materials Today: Proceedings*, 5(9), 16956-16962, August 2018.

DOI: <https://doi.org/10.1016/j.matpr.2018.04.099>

Authors: Daniel Paul, R. Velmurugan

Conference proceedings:

1. "Behavior of GFRP-syntactic foam sandwich composites subjected to ballistic impact," *Proceedings of the Third International Conference on Composites, Biocomposites and Nanocomposites*, Volume 3, 669-678, December 2018.

ISBN: 978-1- 919858-30-2

Authors: Daniel Paul, R. Velmurugan, N.K. Gupta

2. "Fabrication and analysis of the flexural properties of syntactic foam - GFRP sandwich composites," *The Proceedings of V International Conference on Topical Problems of Continuum Mechanics*, 161-162, 2017

Authors: Daniel Paul, R. Velmurugan, N.K. Gupta, A.V. Manzhurov

Patent (pending):

1. R. Velmurugan, R. Jayaganthan, Daniel Paul, Rahul Dubey, G. Balaganesan, "Two-stage design based high speed gas gun," Application no. 201941050330

Summary:

Number of published papers: 4

Number of papers in conference proceedings: 2

Total citations: 7 (Scopus)

Pending patents: 1