

Profile Page



Name : Dr Ghanshyam Neje
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Department : Textile Technology
Qualification : Ph.D. Textile Engineering (Indian Institute of Technology Delhi)
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Research Interests :

3D weaving, 3D hollow fabrics and their composites, textile reinforced composites

Other Profile Links :

Google Scholar Link :

Google Scholar [Click Here](#)

Journal Publications :

Year	Journal	Publication
2021	Journal of Composite Materials, Volume 55, issue 24, pages 3471-3481	Failure analysis of 3D woven spacer sandwich composites with woven cross-links and face sheet thickening under compressive and flexural loading
2020	Composites Part B: Engineering, Volume 182, 107659	Ghanshyam Neje, Bijoya Kumar Behera, Influence of cell geometrical parameters on the mechanical properties of 3D integrally woven spacer sandwich composites
2020	Journal of Industrial Textiles	Lekhani Tripathi, Ghanshyam Neje, Bijoya Kumar Behera, Geometrical modeling of 3D woven honeycomb fabric for manufacturing of lightweight sandwich composite material
2020	Polymer Composites, Volume 41, Issue 11, Pages 4885-4898	Ghanshyam Neje, Bijoya Kumar Behera, Comparative analysis of mechanical behavior of 3D woven spacer sandwich composites with single and double level structures
2019	The Journal of The Textile Institute, Volume 110, Issue 5	Ghanshyam Neje & Bijoya Kumar Behera, Geometrical modeling of 3D woven spacer fabrics as reinforcement for lightweight sandwich composites

2019	Composites Part B: Engineering, Volume 160, Pages 306-314	Ghanshyam Neje, Bijoya Kumar Behera, Investigation of mechanical performance of 3D woven spacer sandwich composites with different cell geometries
2018	Applied Composite Materials, Volume 25, Issue 4, pp 725–734	Ghanshyam Neje and Bijoya Kumar Behera, Lateral compressive properties of spacer fabric composites with different cell shapes https://doi.org/10.1007/s10443-018-9729-6

Conference Publications :

Year	Conference	Publication
2018	Advances in Textile Material and Processes, Kanpur, India, November 19-20, 2018.	Ghanshyam Neje and B. K. Behera, Effect of cell geometry on mechanical properties of 3D woven spacer sandwich composites
2015	Advances in material engineering, Liberec, Czech Republic, December 1-2, 2015.	Ghanshyam Neje and B. K. Behera, Modeling of 3D woven spacer fabrics

Events Organized :

Category	Type	Title	Venue	From	To	Designation
STC	National	Recent Trends in Textile and Fashion	Department of Textile Technology, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India	22/06/2020	26/06/2020	Coordinator
STC	National	Textile Testing and Analytical Techniques in Textiles and Fashion	Department of Textile Technology, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India	27/11/2020	01/12/2020	Convenor
STC	National	Characterisation Techniques in Textiles and Polymers	Department of Textile Technology, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India	15/12/2020	19/12/2020	Convenor
FDP	National	Apparel Design	Department of Textile Technology, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India	01/02/2021	05/02/2021	Convenor
Webinar	National	Garment Product Design	Department of Textile Technology, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India	07/12/2021	07/12/2021	Coordinator

Professional Affiliations :

Designation	Organization
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Life Member	Textile Association of India
Associate Member	Institute of Engineers India

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Prashant Kumar	Designs of structural health monitor sensor using different textile materials	Completed	2021	

Patents :

Name	Reg./Ref. No.	Date of Award/Filing	Organization	Status
Geometrical model and fabric production technique for energy absorbing woven structure with multiple structural variants		14/07/2020		Filed