

DR. GANESAN C

Name : Dr. Ganesan C.
E-mail : cganesan@hindustanuniv.ac.in
Designation : Assistant Professor(S.G)
Degree (highest degree with year of graduation) : Ph.D (2018)
Experience : Industry: 0 Academic :8
Specialization : Composite Structures/Aircraft Structures
Research Area : Fatigue life analysis and modeling of composite structures; Damage propagation of composite structures.



Publication details: Scopus Indexed- 5; WOS Indexed-4; International conference-7;
National Conferenc-1

Research Publications:

(a)International Journals:

- J1. **Ganesan, C** and Joanna, P.S. (2018). *Modeling the Residual Strength and Fatigue Life of Carbon Fiber composites under Constant Amplitude Loading. Mechanics of Advanced Materials and Structures.* (Article under press) **(WOS, Scopus, IF-2.645).**
- J2. **Ganesan, C** and P.S. Joanna, P.S. (2018). *Fatigue Life and Residual Strength prediction of GFRP Composites: An Experimental and Theoretical approach. Lat. Am. j. solids struct.* 15(7), 1-16. <http://dx.doi.org/10.1590/1679-78255095>. **(WOS, Scopus, IF-1.158)**
- J3. **Ganesan, C** and Joanna, P.S. (2018). *Modeling the damage of composite materials subjected to fatigue loading. IOP Series: Material Science and Engineering*, Vol.377, No.1, pp.1-6. **(WOS, Scopus)**
- J4. **Ganesan C**, P.S. Joanna, A. Rajaraman and Dalbirsingh (2015). *Material response changes due to varied loadings in three composites. Applied Mechanics and Materials*, vol.813, pp.185-189.
- J5. **Ganesan C**, P.S. Joanna, A. Rajaraman, Dalbirsingh and K P Robert (2015). *Progressive Damage and Failure Strength of Kevlar-Epoxy Composite at Low Displacement Rates. International Journal of Applied Engineering Research*, Vol. 10 No.55, pp.3966-397. (Scopus)

- J6. Dalbir Singh, **Ganesan, C** and Rajaraman, A. (2015). *Structural Response and Remaining Life of Damaged Composites*. **Applied Mechanics and Materials**, vol.813, pp.106-110.
- J7. **Ganesan C** and Sujesh. (2014). *Tensile Behavior of Nano Filled GFRP at Different Strain Rates*. **International Journal of Mining, Metallurgy & Mechanical Engineering**, Vol. 2, No.2.pp.93-96.
- J8. **Ganesan. C**, Yashpal and Kalpit. (2013). *Effect of Various Fibers on Mechanical Properties of Bio-Composite Materials*. **International Journal of Engineering Research and Development**, Vol.6, No.2, PP. 67-73.
- J9. Asokan, R., Manikandan, T., **Ganesan, C** and Stanley, A.J. (2012). *Evaluation of Tensile Strength on Repaired Composite Adhesive Bonded Joint*. *Procedia Engineering (Elsevier)*, Vol.38, pp.2337-2346. **(WOS, Scopus)**
- J10. **Ganesan, C** and Dash, P.K. (2011). *Elasto Buckling Behavior of GFRP Laminated Plate With Central Holes*. **International Journal of Mechanical & Industrial Engineering**, Vol.1, No.1, pp. 73-76.
- J11. Dash, P.K., Sathishbabu, R., and **Ganesan, C**. (2011). *Effect of corrosive environment on Elasto buckling strength of GFRC plate*. **Asian Jr. of Applied Sciences**, Vol. 3, pp. 5-19.

(b)International Conferences:

- C1. **Ganesan, C** and Joanna, P.S. (2018). *Modeling the damage of composite materials subjected to fatigue loading*. International Conference on Mechanical, Materials and Renewable Energy, 8–10 December 2017, Sikkim, India.
(Subsequently published in the IOP Series: Material Science and Engineering, see ref.J3).
- C2. **Ganesan C**, P.S. Joanna, A. Rajaraman and Dalbirsingh. *Modelling Progress to Failure for Advanced Composites*. 5th International Congress on Computational Mechanics and Simulation (ICCMS 2014), CSIR-Structural Engineering Research Centre (CSIR-SERC). 10-13 December, 2014.
- C3. Dalbir Singh, A.Rajaraman, **C.Ganesan**, Ramesh T and Bharanidaran R. *Sustainability aspects in damaged composites*. International Conference on Advances in Design and Manufacturing (ICAD&M'14), NIT Trichy, 6-7 December 2014.
- C4. **Ganesan C**, P.S. Joanna, A. Rajaraman and Dalbirsingh. *Tensile behavior of Kevlar epoxy composites under different loading conditions*. International Conference on Advances in Design and Manufacturing (ICAD&M'14), NIT Trichy, 6-7 December 2014.
- C5. Dalbir Singh, A. Rajaraman and **C.Ganesan**. *Remaining Life Assessment of Damaged Carbon Fiber Reinforced Composites*. 5th International Congress on Computational Mechanics

DR. GANESAN C

and Simulation (ICCMS 2014), CSIR-Structural Engineering Research Centre (CSIR-SERC). 10-13 December, 2014.

C6. **C Ganesan**, P.S. Joanna, A. Rajaraman, Dalbir Singh. *Effect of Environmental exposure on Tensile Behavior of Kevlar Epoxy Composites*. International Conference Design, Manufactronics, Jan 9-10, 2014, Pune.

C7. Sujesh. G and Ganesan, **C**. *Tensile Behavior of Nano Filled GFRP at Different Strain Rates*. International Conference on Mechanical, Materials and Automotive Engineering (ICMMAE'2012) April 13-15, 2012, Pattaya.Thailand

(c) National Conference:

N1. **Ganesan, C** and Dash, P.K. *Analysis of Buckling Strength of GFRP Composite Plate with Central Cutouts*. 25th National Convention of Aerospace Engineers, NCAE- 2011, November 4-5, 2011, BIT Mesra, Ranchi.

Scholarships and Awards

- ✚ **Quarterly Franklin Membership** awarded by London Press Journals (2018)
- ✚ **Structures Technical Committee member** of **AIAA** (American Institute of Aeronautics and Astronautics) (2016-17)
- ✚ **Letter of Appreciation** for dedication towards **NBA Accreditation** work from HITS.
- ✚ **Reviewer** for Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture (**SAGE Publications**). (**Scopus & WOS indexed**)
- ✚ **Reviewer** for Journal of Engineering, Science and Technology. (**Scopus & WOS indexed**)
- ✚ **Reviewer** for International Journal of Scientific Engineering and Technology
- ✚ Life Member of Aeronautical Society of India (**AeSI**), International Association of Advanced Materials (**IAAM**) and International Association of Engineers (**IAENG**).

Workshop/FDP/Seminar

S.No.	Name of Workshop/FDP/Seminar	Venue	Date	Attended/Organized
1	Teaching Learning process	IITM	17-19, Dec 2018	Attended
2	Web of Science: Basic Series	-	05-07, January 2019	Attended
3	Web of Science: Advanced Series	-	08-15, January 2019	Attended
4	NCAT-2018	HITS	27-28, September 2018	Organized
5	FDP on Finite Element Analysis	HITS	09-10, January 2018	Organized
6	Seminar on Research presentation Skills	HITS	27th January 2017	Attended
7	Workshop on Practical aspects of FEM-Verification & Validation	HITS	6-7, Feb 2015	Organized