

## RESUME

Name : D.Dominic Xavier  
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Designation : Assistant professor  
Degree (highest degree with year of graduation) : M.E Aeronautical 2016  
Experience : Academic - 2years 4 months  
Specialization : Aeronautical (Propulsion)  
Research Area : Jet control techniques, Flow Analysis



### Publication Details :

- 1) “Decay Characteristics of a supersonic jet issuing from C-D Nozzles with triangular grooves” published in international Journal of Mechanical Engineering and Technology, Volume 8, Issue 11,2017
- 2) “Design and structural analysis of transport aircraft wing” Published in Journal of emerging technologies and innovative research” Volume 5 Issue 3 , March-2018
- 3) “Computational Analysis on Savonious Vertical Axis Wind Turbine to enhance the performance” Published in Journal of emerging technologies and innovative research” Volume 5 Issue 3 , March-2018
- 4) “Augmentation of Poisson’s Ratio in Laminated Sandwich Plates with Reinforced Carbon Nanotube” – Accepted in International journal of vehicle structures and systems – Nov 2018

### Conference Attended :

- 1) Presented the paper titled “Decay characteristics of supersonic jet issuing from CD nozzle with triangular grooves” at International Conference on Recent Trends in Aerospace Technology on Jan 2017 in Kalaingar karunanidhi, Chennai.
- 2) Presented the paper titled “Design and structural analysis of transport aircraft wing” at National Conference on Advances in condensed matter physics on March 2018 in HITS, Chennai.
- 3) Presented the paper titled “Computational Analysis on Savonious Vertical Axis Wind Turbine to enhance the performance” at National Conference on Advances in condensed matter physics on March 2018 in HITS, Chennai.

- 4) Presented the paper titled “Development and Analysis of Structural Sensing and Actuation with Macro Fibre Composite” at National Conference on Aerospace Technology on 2018 in HITS, Chennai.
- 5) Presented the paper titled “Design and Fabrication of Semi-automated Drainage Cleaning System” at National Conference on Aerospace Technology on Sep 2018 in HITS, Chennai.

**Conference Organized** : Member of organizing committee for “National Conference on Aerospace Technology on 2018 in HITS, Chennai.

**Workshop Attended** :

<b>Name of the training programme</b>	<b>Date / Duration of the training programme</b>	<b>Training Topics</b>	<b>Venue</b>
Workshop	10 <sup>th</sup> January 2017	Computer Workstation ergonomics	HITS
International Workshop	12th & 13th March 2018	Detonation Wave Engines	HITS

**Seminar Attended:**

Seminar	6 <sup>th</sup> February 2017	Aircrash Investigation	HITS
International Seminar	7 <sup>th</sup> to 9 <sup>th</sup> February 2017	Space Odyessey	HITS