

## RESUME

Name : C.Suresh  
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Designation : Assistant Professor  
Degree (highest degree with year of graduation) : M.E(2012)  
Experience : Industry : 1yr Academic : 9 yrs  
Specialization : Aeronautical  
Research Area : Fluid structure interaction



### Publication details:

1. **C.Suresh** and K.Ramajeyathilagam, "Large deformation behaviour of thin mild steel rectangular plates subjected to underwater explosion loading under air and water backed conditions", Applied Ocean Research, 102780, (Accepted)
2. Chilaka Rishitha, **C. Suresh**, Sudheer, and Anji Reddy, "Experimental investigation of fatigue crack propagation behaviour on steel and aluminium", AIP Conference Proceedings 2317, 020039 (2021)
3. Mounika Andugulaa, **Suresh C**, Radhakrishnan P. M. and K. Ramajeyathilagam, "Stress Ratio effects on Fatigue Behavior of GFRP woven Composite Laminates", International Conference on Frontiers in Automobile and Mechanical Engineering, August 2020
4. **C.Suresh** and K.Ramajeyathilagam, "Coupled fluid –structure interaction based numerical investigation on the large deformation behavior of thin plates subjected to under water explosion", International Journal of Vehicle structures and systems, 12(5), 2020
5. **C.Suresh** and K.Ramajeyathilagam, "Numerical Investigation of thin plate subjected to blast wave propagation in air and water", International Journal of Vehicle structures and systems, 11(5), 2019
6. **C Suresh**, G Saravanan, "Numerical simulation of mixing enhancement in scramjet using Micro Vortex Generator", Procedia-Engineering, 38 (2012) 3969 – 3976.

### Funded project details:

- NRB (DRDO) Titled "Coupled fluid-structure interaction studies due to underwater explosion around submerged composite pressure hull".

Conference attended/organized : 12

Workshop attended/ organized : 15

Seminar attended/organized : 21