

International Journal Publications:

1. **Sathish Kumar K**, Senthilkumar Chidambaram, 2018, “Jet Flow Control Using Semi-Circular Corrugated Tab” International Journal of Turbo and Jet Engines. ISSN: 0334-0082.
2. **Sathish Kumar K**, Senthilkumar Chidambaram, 2019, “Supersonic Jet Flow Control Using Semi-Circular Corrugated Tabs” Aircraft Engineering and Aerospace Technology. ISSN: 0002-2667.
3. Naren Sankar R, Kevin Bennet, Dilip Raja N, **Sathish Kumar K**, 2020, “Characteristics of a Co-flowing Jet with Varying Lip Thickness and Constant Velocity Ratio”, Aircraft Engineering and Aerospace Technology. ISSN: 0002-2667.
4. Naren Shankar. R, **K. Sathish Kumar**, N. Dilip Raja, 2020, “Numerical Study on Sonic Underexpanded Co-flowing Jet with Varying Separation Distance”, Lecture Notes in Mechanical Engineering, (Springer).
5. Naren Shankar.R, **K. Sathish Kumar**, N. Dilip Raja, 2020, “Numerical Study on Supersonic Co-flowing Jet with Varying Lip Thickness ”, Lecture Notes in Mechanical Engineering, (Springer).
6. Pavithra S, Swathi R, Vinitha K, Saravana Kumar N, **Sathish Kumar K**, 2019, “Effect of Swirler in a Micro Gas Turbine Engine”, International Journal of Engineering Research & Technology, ISSN: 2278-0181.
7. Banupriya P & Ajay Pratap, **Sathish Kumar K**, 2015, “Aerodynamic Design of Single Stage Fan and Two Stage Booster Compressor”, International Journal of Modern trends in Engineering and Science, Volume 2, Issue 10, 2015. ISSN: 2348-3121.

International Conference Publications:

1. NarenShankar, R, **Sathish Kumar, K**, Dilip Raja, N 2020, ‘ Numerical Study on Sonic Under Expanded Co-flowing Jet with Varying Separation Distance’, in Proceedings of 4th International Conference on Innovative Design, Analysis & Development Practices in Aerospace and Automotive Engineering (I-DAD 2020), Chennai.
2. NarenShankar, R, **Sathish Kumar, K**, Dilip Raja, N 2020, ‘ Numerical Study on Supersonic Co-flowing Jet with Varying Lip Thickness’, in Proceedings of 4th International Conference on Innovative Design, Analysis & Development Practices in

National Conference Publications:

1. **Sathish Kumar, K** 2011, 'Computational Analysis of Thrust Produced in the C-D Nozzle with Bypass Flow', National Conference on Advanced Design and Manufacture (NCADM 2011), Tirunelveli.
2. **Sathish Kumar, K**, Rajamani, P 2011, 'Computational Analysis of Thrust Produced in the Converging Diverging Nozzle with Bypass Flow', National Conference on Recent Advances in Mechanical Engineering (RAME 2K11), Kanyakumari.
3. **Sathish Kumar, K**, Ineshwaran, P, Naveen Kumar, S, Maaveerapandian, S 2011, 'Computational Investigation of Shape Transitioned Supersonic Nozzle', National Conference on Recent Trends in Engineering (NCRTE 2016), Chennai.
4. **Sathish Kumar, K**, Chandrasekar, V, Jagan Balaji. B, Lokesh Kumar, S, P, Parthasarathy, S 2011, 'Computational Study to Enhance the Mixing Characteristics of Subsonic Jet by Using Filleted and Chamfered Corners on Square Nozzle', National Conference on Recent Trends in Engineering (NCRTE 2016), Chennai.
5. Pavithra N.B, **Sathish Kumar, K** 2018, 'Subsonic Jet Flow Control using Corrugated Rectangular Tab', National Conference on Emerging Trends in Engineering & Technology, Thanjavur.
6. Pavithra K, **Sathish Kumar, K** 2018, 'Subsonic Jet Flow Control using Corrugated Triangular Tab', National Conference on Emerging Trends in Engineering & Technology, , Thanjavur.
7. **Sathish Kumar, K**, Parvathavarthini, K, Janani, C, Umashree, D, Subashree 2020, 'Computational Investigation of Shape Transitioned Supersonic Nozzle', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
8. **Sathish Kumar, K**, Pavithra. S, Swathi. R, Nethaji. D 2020, 'Numerical Analysis of Supersonic Co-Flowing Jet', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
9. Saravana Kumar, N, Kumaran, V, Aravind, T, Vignesh. E, **Sathish Kumar. K**, Thanigaiarasu, S 2020, 'Effect of Perforation Diameters in Tabs to Control Mach 1.5 Supersonic Jet', National Conference on Recent Developments in Aerospace and Defense

Technology, Chennai.

10. Aarthiprabha, A, Mahalakshmi, A, Dinesh Kumar, R, Saravanakumar, N, **Sathish Kumar, K** 2020, 'Numerical Investigation of Missile Spikes in Supersonic Flow Regime', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
11. Pavithra. S, Swathi. R, Nethaji. D, **Sathish Kumar, K** 2020, 'Numerical Analysis of Swirler for a Micro Gas Turbine Engine', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
12. Subalakshmi, M, Jennifer, C, Thyagarajan, S, Saravanakumar, N, **Sathish Kumar, K** 2020, 'A Study on the Mechanical Behaviour of Aluminium Metal Reinforced with Titanium Carbide and Fly Ash', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
13. Prakashraj, N, Iyyapan, D, Dhanasekar, S, Rajarajan, R, **Sathish Kumar, K** 2020, 'Experimental Study of Drag Characteristics of Circular Cylinder with Different Roughness at Various Reynolds Numbers ', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
14. Harsha, S, Alsaroth Jahan, S, Roja, P, Magesh, V, **Sathish Kumar, K** 2020, 'Numerical Investigation of Upstream VG's on LBSI', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
15. Vignesh Ragul, C, Selva Kumar, V, Mullaivendhan, S, **Sathish Kumar, K**, Vijayaraja, K 2020, 'Numerical Analysis of Airborne Wind Turbine', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
16. Vinitha, K, Sujeethkumar, D, Prasanth, V,M, Kamalesh, R, Saravanakumar, N, **Sathish Kumar, K** 2020, 'Design and Analysis of Delta Wing with Different Wing Configuration', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.
17. Priyadharshini, J, Lavanya, R, Reshma, M, Kamali, M, Suganya Rose, R, **Sathish Kumar, K** 2020, 'Numerical Study of Shape Transitioned Isolator', National Conference on Recent Developments in Aerospace and Defense Technology, Chennai.