



Dr.S.Thanigaarasu

Journal Publications

1. **Thanigaarasu, S.**, Naren Shankar, R., & Rathakrishnan, E. (2019). Influence of bypass ratio on subsonic and correctly expanded sonic co-flowing jets with finite lip thickness. *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering*, 233(7), 2536–2548. <https://doi.org/10.1177/0954410018782511>.
2. Ezhilmaran, G., Khandai, S. C., Sinha, Y. K., & **Thanigaarasu, S.** (2019). Numerical Simulation of Supersonic Jet Control by Tabs with Slanted Perforation. *International Journal of Turbo and Jet Engines*. <https://doi.org/10.1515/tjj-2019-0015>
3. Muthuram, A., **Thanigaarasu, S.**, Divvela, R., & Ethirajan, R. (2020). Nozzle Geometry Effect on Twin Jet Flow Characteristics. *International Journal of Turbo and Jet Engines*. <https://doi.org/10.1515/tjj-2019-0049>
4. Arun Prasad, R., **Thanigaarasu, S.**, Sembaruthi, M., & Rathakrishnan, E. (2020). Study of Correctly Expanded Sonic Jet with Air Tabs. *International Journal of Turbo and Jet Engines*. <https://doi.org/10.1515/tjj-2020-0005>
5. Sri Ramya, E., Lovaraju, P., Dakshina Murthy, I., **Thanigaarasu, S.**, & Rathakrishnan, E. (2020). Experimental and computational investigations on flow characteristics of supersonic ejector. *International Review of Aerospace Engineering*, 13(1), 1–9. <https://doi.org/10.15866/irease.v13i1.18108>
6. **Thanigaarasu S**, Naren Shankar R, Rathakrishnan E, “Influence of bypass ratio on subsonic and correctly expanded sonic co-flowing jets with finite lip thickness”, [Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering](#), Volume Online First: 1 – Jan 1, 2018.
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8. **Thanigaarasu S**, Elangovan S and Rathakrishnan E, “Effect of Arc-Tabs on the Mixing Characteristics of Subsonic and Sonic Jets”, *International Review of Aerospace Engineering (I.R.E.A.S.E)*, Vol. 1, Number 1, pp. 69-76, February 2008, ISSN: 1973-7459, Impact Factor: 1.05.

9. **Thanigaiaarasu S**, Karthick R, Arunprasad R, SyedMusthafa H, Elangovan S and Rathakrishnan E, "Study of Underexpanded Sonic Jets by NumericalSimulation", International Journal of Turbo & Jet-Engines, Vol-30,Issue-4, pp. 347-357, December 2013,ISSN: 2191-0332. Impact Factor: 0.478
10. S.Sarathkumar, K.Periyannaswamy, **S.Thanigaiaarasu**, "Modelling of an Electromagnetic Space Propulsion System for Pulse mode operation", Procedia Engineering, Vol-38; pp.3691-3699, January 2012, ISSN: 1877-7058. Impact Factor: 0.73.
11. Dharmahinder Singh Chand,**Thanigaiaarasu S**, Elangovan S and Rathakrishnan E, "Perforated Arc-tabs for Jet Control", International Journal of Turbo & Jet-Engines, Vol.28(2011), pp. 133-138, March 2012,ISSN: 2191-0332, Impact Factor: 0.478.
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17. Muthuram A,**Thanigaiaarasu S**, E.Rathakrishnan, "Nozzle Geometry Effect on Twinjet Flow Characteristics", International Journal of Turbo & Jet-Engines, ISSN:2191-0332.(Accepted),Impact Factor: 0.47.
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31. **Thanigaarasu S**, Saravanan A R, Vivekkumar P, "An Experimental Analysis of Co Flowing Subsonic and Sonic Jets with Chevron Nozzle", International Journal of Engineering, Technology, Science and Research, Vol:4, Issue no.11, November 2017, ISSN: 23943386, Impact Factor: 2.12.
32. Dharmahinder Singh Chand, **S. Thanigaarasu**, S.Elangovan, "Jet Noise Abatement by Elliptical Perforated Tabs", International Journal of Engineering, Technology, Science and Research, Vol: 4, Issue no.11, November 2017, ISSN: 23943386, Impact Factor: 2.12.
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