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 Designation : Associate Professor
 Degree (highest degree with year of graduation) : 2019
 Experience : Industry : NIL Academic :07
 Specialization : Aerodynamics, CFD
 Research Area : High speed flows



Publication details:

1. **M. Saiprakash**, C.Senthil Kumar, G. Balu, V. Shanmugam, Singh Prakash Rampratap, G. Kadam sunil “ Convective heat-transfer rate and surface pressure distribution over a cone model at hypersonic speeds” **Proceeding of the Institution of the Mechanical Engineers. Part G: Journal of Aerospace Engineering**, Vol 233, Issue No 10, pp.3649-3664, DOI:[10.1177/0954410018804691](https://doi.org/10.1177/0954410018804691), 11 Oct 2018. **(Impact Factor: 1.244)**

The permanent link for the article is <https://doi.org/10.1177/0954410018804691>

2. **M. Saiprakash**, C.Senthil Kumar, G. Kadam sunil, Singh Prakash Rampratap, V.Shanmugam, G.Balu “Heat transfer rate and surface pressure measurements in shortduration hypersonic flow” **Aeronautical Journal**. Vol 123, Issue No 1269, pp.1857-1880, DOI: <https://doi.org/10.1017/aer.2019.116> 18October 2019. **(Real time Impact Factor = 1.7)**

The permanent link for the article is <https://doi.org/10.1017/aer.2019.116>

3. **M. Saiprakash**, C.Senthil Kumar, G. Kadam sunil, Singh Prakash Rampratap, V.Shanmugam, G.Balu “Visualization of shock wave phenomenon around a sharp cone model at hypersonic Mach Number in a shock tunnel using high speed Schlieren facility,” **Journal of Applied Fluid Mechanics**, Vol 12, Issue No 2, pp.461-468, DOI: [10.29252/jafm.12.02.29250](https://doi.org/10.29252/jafm.12.02.29250), March 2019. **(Impact Factor: 1.2)**

The permanent link for the article is <https://doi.org/10.29252/jafm.12.02.29250>

4. **M. Saiprakash**, C.Senthil Kumar, G. Kadam sunil, Singh Prakash Rampratap, V.Shanmugam, G. Balu, “Effects of angle of attack and bluntness on heating rate distribution of blunt models at hypersonic speeds” **Fluid dynamics**, Vol 54, Issue No 6, pp.850-862, DOI:<https://doi.org/10.1134/S0015462819060090> 26 Dec 2019. **(Impact Factor: 0.71)**

The permanent link for the article is <https://doi.org/10.1134/S0015462819060090>

5. **M. Saiprakash**, C.Senthil Kumar, G. Kadam sunil, Singh Prakash Rampratap, V.Shanmugam, G.Balu Investigations of Slender Bodies At Hypersonic Mach Number , **Fluid dynamics**, No.2, pp. 110-116, DOI: [10.31857/S0568528121020080](https://doi.org/10.31857/S0568528121020080), 2020. **(Impact Factor: 0.71)**

The permanent link for the article is <https://link.springer.com/article/10.1134/S0015462821020087>

6. **M. Saiprakash**, C.Senthil Kumar, G. Kadam sunil, Singh Prakash Rampratap, V.Shanmugam, G.Balu “Experimental investigation of blunt cone model at Hypersonic Mach number 7.25” **Journal of the Brazilian Society of Mechanical Sciences and Engineering**, 43, Article number: 216,2021 **(Impact Factor: 1.98)**

The permanent link for the article is <https://link.springer.com/article/10.1007/s40430-021-02934-5>

7. **M. Saiprakash**, C.Senthil Kumar, G. Kadam sunil, Singh Prakash Rampratap, V.Shanmugam, G.Balu, “Investigation of Heat Flux On Re-Entry Vehicle At Hypersonic Mach Number, **Proceeding of the Institution of the Mechanical Engineers. Part G: Journal of Aerospace Engineering**, 2020 **(UNDER REVIEW)** **(Impact Factor: 1.244)**

Funded project details: Nil

Consultancy project details: Nil

Conference attended/organized

1. **M. Saiprakash**, C.Senthilkumar, G.Balu, V.Shanmugam, Singh Prakash Rampratap, G. Kadam sunil “Experimental and numerical investigation of flow field around blunt and sharp cone model in hypersonic freestream, **Proceedings of the 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP)2018, IIT Bombay.**

2. **M. Saiprakash**, C.Senthilkumar, G.Balu, V.Shanmugam, Singh Prakash Rampratap, G. Kadam sunil Investigations of heat-transfer rate and surface pressure distribution over a sharp cone model at hypersonic Mach number, **Proceedings of the 2nd National Aero Propulsion Conference, Dec 17-19, 2018, IIT Kharagpur, West Bengal.**

Workshop attended/ organized: None so far

Seminar attended/organized: Attended different seminars and workshops in the area of high speed flows