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#### **PUBLICATION DETAILS:**

1. S. Mano, S. Arunvinthan, S. Nadaraja Pillai, " Experimental Investigation of downstream wake characteristics of NACA 0015 airfoil", Journal of Applied Science and Engineering, Journal of Applied Science and Engineering, Vol. 23, No 4, Page 603-609 (Q3)
2. S. Arunvinthan, S Nadaraja Pillai, Shuyang Cao "Aerodynamic characteristics of variously modified Leading-Edge Protuberanced (LEP) wind turbine blades under various turbulent intensities", Journal of Wind Engineering and Industrial Aerodynamics", Vol - 202, July 2020, 104188 (2020); <https://doi.org/10.1016/j.jweia.2020.104188> (Q1) (IF - 3.01)
3. S. Arunvinthan, R. Gopal, V. K. Chandrasekar, and S Nadaraja Pillai, "Recurrence analysis of surface pressure characteristics over symmetrical aerofoil", Chaos 30, 013116 (2020); <https://doi.org/10.1063/1.5121569> (Q1) (IF - 2.643)
4. C Anbu Serene Raj, M Narasimhavaradhan, N. Vaishnavi, S Arunvinthan, A Al Arjani, S Nadaraja Pillai, Aerodynamics of ducted re-entry vehicles, Chinese Journal of Aeronautics, 2020, ISSN 1000-9361, <https://doi.org/10.1016/j.cja.2020.02.019>. (Q1) (IF - 2.095)
5. S. Arunvinthan, R. Gopal, V. K. Chandrasekar, and S. Nadaraja Pillai, Estimation of nonlinear surface pressure characteristics of aerofoil: A 0-1 test approach, AIP Advances 9, 055204 (2019); <https://doi.org/10.1063/1.5102154> (Q3) (IF - 1.579)
6. Vivek K., Ashok Kumar B., Dhileep K., Arunvinthan S., **Nadaraja Pillai S.** (2020) Surface Pressure Characteristics over Indian Train Engine. In: Voruganti H., Kumar K., Krishna P., Jin X. (eds) Advances in Applied Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore, [https://doi.org/10.1007/978-981-15-1201-8\\_9](https://doi.org/10.1007/978-981-15-1201-8_9)
7. N. I. Haroon Rashid, S. Nadaraja Pillai, S. Selvi Rajan, C. Senthil Kumar, Non-Gaussian Wind Pressure Characteristics of HAWT Tower System with and Without Rotor, Journal of Applied Fluid Mechanics, Vol. 12, No. 2, ISSN 1735-3572, 2019, pp 505 –514. (Q2) (IF – 0.918)
8. Dhileep K., Arunvinthan S., Nadaraja Pillai S. (2019) Aerodynamic Characteristics of Semi-spiroid Winglets at Subsonic Speed. In: Chandrasekhar U., Yang LJ., Gowthaman S. (eds) Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018). Lecture Notes in Mechanical Engineering. Springer, Singapore, pp 217 -224, DOI: [https://doi.org/10.1007/978-981-13-2718-6\\_20](https://doi.org/10.1007/978-981-13-2718-6_20)
9. Livya E., Sai Anirudh R., Vignesh V., Prasannavenkatesh B., Nadaraja Pillai S. (2019) Experimental Analysis of Implementing Roughness on NACA 0018 Airfoil. In: Chandrasekhar U., Yang LJ., Gowthaman S. (eds) Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018). Lecture Notes in Mechanical Engineering. Springer, Singapore, pp 91 -96, DOI: [https://doi.org/10.1007/978-981-13-2697-4\\_10](https://doi.org/10.1007/978-981-13-2697-4_10)
10. Vinayagamurthy, G., K.M. Parammasivam, and S.Nadaraja Pillai. "Flutter Analysis of Wing, Booster Fin and Vertical Tail." Applied Mechanics and Materials 110–116 (October 2011): 3500–3505. <https://doi.org/10.4028/www.scientific.net/amm.110-116.3500>

11. Sureshkumar A., Nadaraja Pillai S., Manikandan P. (2012) Optimization of Rounded Spike on Hypersonic Forebody Reattachment. In: Sathiyamoorthy S., Caroline B., Jayanthi J. (eds) Emerging Trends in Science, Engineering and Technology. Lecture Notes in Mechanical Engineering. Springer, India
12. S. ARUNVINTHAN, S. NADARAJA PILLAI, Aerodynamic characteristics of unsymmetrical aerofoil at various turbulence intensities, Chinese Journal of Aeronautics, Volume 32, Issue 11, 2019, Pages 2395-2407, ISSN 1000-9361, <https://doi.org/10.1016/j.cja.2019.05.014>.  
(<http://www.sciencedirect.com/science/article/pii/S1000936119302481>) (Q1) (IF - 2.095)
13. N. Ganesh, S. Arunvinthan, S. Nadaraja Pillai, Effect of surface blowing on aerodynamic characteristics of tubercled straight wing, Chinese Journal of Aeronautics, 2019, ISSN 1000-9361, <https://doi.org/10.1016/j.cja.2019.02.006>. (Q1) (IF - 2.095)
14. K. Kaushikh, S. Arunvinthan, S. Nadaraja Pillai, Aerodynamics and Aerothermodynamics of undulated re-entry vehicles, In Acta Astronautica, Volume 142, 2018, Pages 95-102, ISSN 0094-5765, <https://doi.org/10.1016/j.actaastro.2017.10.024>. (Q1) (IF - 2.482)
15. G. Balaji, S. Nadaraja Pillai and C. Senthil Kumar 'Wind Tunnel Investigation of Downstream Wake Characteristics on Circular Cylinder with Various Taper Ratios', Journal of Applied Fluid Mechanics, Vol. 10, Special Issue, pp. 69-77, 2017 (IF – 0.918)
16. Premkumar, P., Chakravarthy, S., Jayagopal, S., Nadaraja Pillai, S., (2016). Investigation of Engine Oil-cooling Problem during Idle Conditions on Pusher Type Turbo Prop Aircraft. International Journal of Turbo & Jet-Engines, Volume 34, Issue 4, Pages 333–340, ISSN (Online) 2191-0332, ISSN (Print) 0334-0082, DOI: <https://doi.org/10.1515/tjj-2016-0013>. (IF - 0.863)