

PUBLICATIONS

Peer-reviewed journal articles

- [1] **Baskaran, K***, & Srinivasan, K. (2024). "Axisymmetric cavity noise control using passive protrusion". *International Journal of Aeroacoustics*, 1475472X241306313.
- [2] Celik, A., Jamaluddin, N. S., **Baskaran, K.**, Meloni, S., Rezgui, D., & Azarpeyvand, M. (2024). "Experimental characterisation of rotor noise in tandem configuration". *Applied Acoustics*, 222, 110053.
- [3] Jamaluddin, N. S., Celik, A., **Baskaran, K.**, Rezgui, D., & Azarpeyvand, M. (2024). "Aerodynamic noise analysis of tilting rotor in edgewise flow conditions". *Journal of Sound and Vibration*, 582, 118423.
- [4] Singh, S. K., Shankar, G., Narayanmurthy, A., **Baskaran, K***, & Narayanan, S. (2024). "Effect of sawtooth trailing edge serrations on the reductions of airfoil broadband noise". *International Journal of Aeroacoustics*, 1475472X241226931.
- [5] Kumar, S., Singh, S. K., Jha, S., **Baskaran, K***, Srinivasan, K., & Narayanan, S. (2024). "On the reductions of airfoil broadband noise through circular dimples". *Applied Acoustics*, 217, 109819.
- [6] **Baskaran, K***, Jamaluddin, N. S., Celik, A., Rezgui, D., & Azarpeyvand, M. (2024). "Effects of number of blades on propeller noise". *Journal of Sound and Vibration*, 118176.
- [7] Jamaluddin, N. S., Celik, A., **Baskaran, K.**, Rezgui, D., & Azarpeyvand, M. (2023). "Experimental analysis of rotor blade noise in edgewise turbulence". *Aerospace*, 10(6), 502.
- [8] Jamaluddin, N. S., Celik, A., **Baskaran, K.**, Rezgui, D., & Azarpeyvand, M. (2023). "Experimental analysis of a propeller noise in turbulent flow". *Physics of Fluids*, 35(7), 075106.
- [9] **Baskaran, K.**, & Srinivasan, K. (2021). "Aeroacoustic modal analysis of underexpanded pipe jets with and without an upstream cavity". *Physics of Fluids*, 33(1), 016108.
- [10] **Baskaran, K.**, & Srinivasan, K. (2019). "Aeroacoustic characteristics of subsonic flow from axisymmetric pipe-cavities". *Physics of Fluids*, 31(10), 106107.
- [11] **Baskaran, K.**, & Srinivasan, K. (2019). "Effects of upstream pipe length on pipe-cavity jet noise". *Physics of Fluids*, 31(10), 106103. (**Featured Article and Scilight**)
- [12] **Baskaran, K.**, Parimalanathan, S. K., Dhamanekar, A., & Srinivasan, K. (2018). "Effects of passive grids on pipe and orifice jet noise". *Journal of Sound and Vibration*, 435, 218-233.

Refereed conference papers

- [13] Hanson, L., **Baskaran, K.**, Zang, B., & Azarpeyvand, M. (2022). "Acoustic shielding and scattering effects of a propeller mounted above a flat plate." In 51st *International Congress and Exposition on Noise Control Engineering*. Institute of Noise Control Engineering.
- [14] Hanson, L. P., **Baskaran, K.**, Zang, B., & Azarpeyvand, M. (2022). "aeroacoustic interactions of a trailing edge mounted propeller and flat plate." In 28th *AIAA/CEAS Aeroacoustics 2022 Conference* (p. 2937).
- [15] **Baskaran, K.**, Jamaluddin, N. S., Celik, A., Rezgui, D., & Azarpeyvand, M. (2022). "Aerodynamic and aeroacoustic characteristics of propellers with different blade numbers." In 28th *AIAA/CEAS Aeroacoustics 2022 Conference* (p. 3108).
- [16] **Baskaran, K.**, Celik, A., Jamaluddin, N. S., Rezgui, D., & Azarpeyvand, M. (2022). "Aerodynamic and aeroacoustic characteristics of different pitch propellers." In 28th *AIAA/CEAS Aeroacoustics 2022 Conference* (p. 3107).
- [17] Jamaluddin, N. S., Celik, A., **Baskaran, K.**, Rezgui, D., & Azarpeyvand, M. (2022). "Experimental characterisation of small-scaled propeller-wing interaction noise." In 28th *AIAA/CEAS Aeroacoustics 2022 Conference* (p. 2973).
- [18] Hanson, L. P., **Baskaran, K.**, Pullin, S. F., Zhou, B. Y., Zang, B., & Azarpeyvand, M. (2022). "aeroacoustic and aerodynamic characteristics of propeller tip geometries". In 28th *AIAA/CEAS Aeroacoustics 2022 Conference* (p. 3075).
- [19] Celik, A., Jamaluddin, N. S., **Baskaran, K.**, Rezgui, D., & Azarpeyvand, M. (2021). "aeroacoustic performance of rotors in tandem configuration". In *AIAA AVIATION 2021 FORUM* (p. 2282).
- [20] Jamaluddin, N. S., Celik, A., **Baskaran, K.**, Rezgui, D., & Azarpeyvand, M. (2021). "aeroacoustic performance of propellers in turbulent flow". In *AIAA AVIATION 2021 FORUM* (p. 2188).
- [21] Jamaluddin, N. S., Celik, A., **Baskaran, K.**, Rezgui, D., & Azarpeyvand, M. (2021). "Aerodynamics and aeroacoustics characterisation of isolated rotor in hover and transition to forward flight". In *AIAA AVIATION 2021 FORUM* (p. 2311).
- [22] Kamliya Jawahar, H., **Baskaran, K.**, & Azarpeyvand, M. (2021). "Unsteady characteristics of mode oscillation for screeching jets". In *AIAA AVIATION 2021 FORUM* (p. 2279).
- [23] **Baskaran, K.**, & Dhamanekar, A. (2018). "Reduction of impinging noise issued from non-circular orifices". In *INTER-NOISE and NOISE-CON Congress and Conference Proceedings* (Vol. 258, No. 5, pp. 2140-2145). Institute of Noise Control Engineering.