

2023

G. Purushotham, Investigating the Mechanical Properties of Al 7075 Alloy for Automotive Applications: Synthesis and Analysis, EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 10, No. 3, pp. 1286-1295, 2023, ISSN: 2189-0420, Impact Factor: 3.9.

G. Purushotham, Material Replacement and Failure Analysis of Nose Landing Gear's Fork for Skyranger Swift 912S(1), International Journal of Innovative Research in Technology, Vol. 9, No. 4, pp. 709-713, 2023, ISSN: 2349-6002.

G. Purushotham, Evaluation of the microstructure and thermal properties of (ASTM A 494 M grade) nickel alloy hybrid metal matrix composites processed by sand mold casting, International Journal of Ambient Energy - Taylor & Francis, Vol. 43, No. 1, pp. 4899-4908, 2023, ISSN: 2162-8246, Impact Factor: 2.33.

H. G. Rajashekharareddy, Design and Analysis of UAV Test Bench for Engine/Motor Characterization, ACS Journal for Science and Engineering, Vol. 3, No. 1, pp. 21-31, 2023, ISSN: 2582-9610.

H. G. Rajashekharareddy, Material Replacement and Failure Analysis of Nose Landing Gear's Fork for Skyranger Swift 912S(1), International Journal of Innovative Research in Technology, Vol. 9, No. 4, pp. 709-713, 2023, ISSN: 2349-6002.

J. R. Raj, Analysis of Bio-inspired Fishbone Based Corrugated Rib for Adaptive Camber Morphing, Journal of Bionic Engineering (Springer Nature Singapore), Vol. 20, pp. 1083–1102, 2023, ISSN: 2543-2141, Impact Factor: 4.

J. R. Raj, Flow physics and boundary layer optimization over a NACA airfoil by camber morphing at subsonic speeds, International Journal of Modern Physics C, Vol. 34, No. 6, 2023, ISSN: 1793-6586, Impact Factor: 1.9.

J. R. Raj, Design and Analysis of Medium Utility Aircraft Landing Gear, ECS Transactions, Vol. 107, No. 1, pp. 1063, 2023, ISSN: 1938-6737, Impact Factor: 0.7.

J. R. Raj, Aerodynamic Investigation of Morphing Wing UAV with Adjustable Slotted Airfoil Configuration, International Journal of Vehicle Structures & Systems (IJVSS), Vol. 13, No. 1, pp. 97-101, 2023, DOI: 10.4273/ijvss.13.1.19, ISSN: 0975-3060, Scopus Q4, Impact Factor: 0.226.

2022

S. V. Manjunath, A Study of Nucleate Boiling Phenomenon of Water Undergoing Phase Change over Two Rotating Heated Cylinders in Tandem Arrangement at Different Spacing and Surface Roughness, International Journal for Research in

Engineering Application & Management (IJREAM), Vol. 8, No. 2, pp. 21-27, 2022, ISSN: 2454-9150, Impact Factor: 7.427.

S. V. Manjunath, Bayesian Inference of Volume Fraction of Vapor Formed During Nucleate Boiling Phenomenon of Water Undergoing Phase Change over Two Heated Cylinders in Tandem Arrangement, International Journal of Innovative Research in Technology, Vol. 8, No. 12, pp. 411-418, 2022, ISSN: 2349-6002, Impact Factor: 7.376.

2021

G. Purushotham, Thermal analysis of nickel alloy/Al<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub> hybrid metal matrix composite in Automotive engine exhaust valve using FEA method, Journal of Thermal Engineering, Vol. 7, No. 3, pp. 415-428, 2021, ISSN: 2148-7847, Impact Factor: Q3 Scopus, 0.23.

Adarsh Krishnamurthy, Performance enhancement in tribological properties of lubricants by dispersing TiO<sub>2</sub> nanoparticles, Materials Today: Proceedings, Volume 47, Part 17, 2021, Pages 6180-6184, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2021.05.083>.

J. R. Raj, Computational Analysis of A Corrugated Dragonfly Airfoil At Low Reynolds Number, International Journal for Research in Engineering Application & Management (IJREAM), Vol. 6, No. 11, pp. 148-156, Feb. 2021, ISSN: 2454-9150, UGC, IP 7.4.

N. Praveen, PID Controller Design for Dynamic Motion of an Aircraft, SSRN Digital Library, [Online] Available: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=3511417](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3511417)

2020

S. V. Manjunath, Numerical Analysis of Heat Transfer over Horizontal Rotating Cylinder in Presence of Axial Flow, International Journal of Engineering Applied Sciences and Technology, Vol. 4, No. 12, pp. 301-304, 2020, ISSN: 2455-2143, Impact Factor: 4.982.

G. Purushotham, A review on mechanical and wear properties of ASTM A 494 M grade nickel-based alloy metal matrix composites, ELSEVIER Materials Today: Proceedings, Vol. X, No. Y, pp. 2027-2032, Jul. 2020, DOI: 10.1016/j.matpr.2020.07.499, ISSN: 2214-7853, Impact Factor: 1.3.

G. Purushotham, Effect of reinforcement on mechanical properties of Nickel alloy hybrid metal matrix composites processed by sand mould technique, Applied Science and Engineering Progress, Vol. 14, pp. 44–51, Nov. 2020, DOI: 10.14416/j.asep.2020.11.001, ISSN: 2672-9156, Scopus H-Index.

J. R. Raj, Leading Edge Shape Optimization of Whitcomb IL Airfoil in Transonic Flow using a Multi-Objective Genetic Algorithm, International Journal of Vehicle Structures & Systems (IJVSS), Vol. 13, No. 1

J. R. Raj, A Review of Aluminum Alloys in Aircraft and Aerospace Industry, Journal of Huazhong University of Science and Technology, Vol. 50, No. 4, pp. 1-10, 2020, ISSN: 1671-4512, Scopus Q4.

2019

2018

S. V. Manjunath, Study of Effects of Rotational Rate of a cylinder on the Film Boiling Phenomenon of Water Undergoing Phase Change Over Two Heated Cylinders in Tandem Arrangement, International Journal of Modern Engineering Research, Vol. 8, No. 11, pp. 62-70, 2018, ISSN: 2249–6645, Impact Factor: 7.21.