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Department of Aeronautical Engineering

Publication details

S.No.	Title Of Paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1.	Aerodynamic Performance Characterization of Bio-Inspired Wings with Leading Edge Tubercles at Low Reynolds Number	V.T.Gopinathan	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering	2022	0954-4100
2.	Effect Of Moisture Absorption on Mechanical Properties of Jute-Sisal Reinforced Epoxy Composite - An Experimental Investigation	D.Tamilvendan	International Advanced Research Journal in Science, Engineering and Technology	2021	2393-8021
3.	Design And Fabrication of Anti-Drone System with Interdiction Method	Veeramanikandan R	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	2021	2321-2004
4.	Fabrication Of Hybrid Composites on Rice Husk Ash Reinforced With Al Alloy	Sivaraman S	Electrical, Electronics, Instrumentation and Control Engineering	2021	2321-2004

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5.	Computational Study of Fish Scale Array	Saravanan R	International Advanced Research Journal in Science, Engineering and Technology	2021	2393-8021
6.	Hand Gestures Controller for Drone	Prakaas M, Pavithra N, Sunil Saravanan J, Suriya K, Veeramanikandan R	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	2021	2321-2004
7.	Fatigue Analysis of Torque Link In Landing Gear	Vishnu Srinivasan S, Vishnu K, Shoman Raj, Naveen VP, Arun Raja KK	International Journal of Advances in Engineering and Management	2021	2395-5252
8.	Design And Analysis of Scramjet Engine Inlet at Various Conditions	Arunraja.K.K, Sangaralingam.N, Thawood Afif.A.A, Venkatesh.K, Karthick.M	International Journal of Advances in Engineering and Management	2021	2395-5252
9.	Aerodynamics of Hovering Hummingbird	P. N. Shahanas, M. Yoga Prakash, S. Suvitha, R. S. Aswin, K. Manoj Kumar	International journal of Recent Advances in Multidisciplinary topics	2021	2582-7839
10.	Experimental Analysis of Aluminium Reinforced Boron Nitride Composites	MANOJ KUMAR K, SUNDARESWARAN.E, ABISHEK.T,	International Journal of Advances in Engineering and Management	2021	2395-5252

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		SUBASH CHANDRA BOSS M, SRI BALAJI S			
11.	Aerodynamic Performance Investigation of Sweptback Wings with Bio-Inspired Leading-Edge Tubercles	Gopinathan V.T	International Journal of Modern Physics C	2021	1291-831
12.	Post – Buckling Behavior of Stiffened Curved Panel Using Arc Length Method	Dr. Ganesh M, Karthick V, Krishna Kumar M S, Naga Pandiyan R, Yuvaraj R	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	2021	2321-2004
13.	Fabrication And Characterization of Hybrid Aluminum Matrix Composites	Sivaraman, Harish R, Hasta Vikram, Santhosh, Selvarasu	International journal of innovative research in electrical, electronics, instrumentation and control engineering	2021	2321-2004
14.	An Overview of Bladeless Drone	Sivaraman S, Saravana Kumar V , Rajalakshmi S , Santhini M , Sittheshwaran S	International Journal of Innovative Research in	2021	2321-2004
15.	Structural & Thermal Analysis of Gas Turbine Blade Cooling for Zig-Zag Arrangement	Arun Raja K K, Raja Sekaran B, Prithiviraj P, Rajkumar K, Sahim Nishban S	International Journal of Advances in Engineering and Management	2021	2395-5252
16.	Progression In Fire Retardant Properties of Polymer Composites-A Review	Tamilvendan D	IOP Conference Series: Materials Science and Engineering	2021	1757-8981

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17.	Biomimetic Flow Control Techniques for Aerospace Applications: A Comprehensive Review	V. T. Gopinathan	Reviews in Environmental Science and Biotechnology	2021	1569-1705
18.	Aerodynamics With State-Of-The-Art Bioinspired Technology: Tubercles of Humpback Whale	VT Gopinathan	Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering	2021	9544-100
19.	Performance Improvement of Subsonic Aircraft Wing By Dimple Effect	S.Sivaraman, Dr.Ganesh M, Saravanan R, Saravanakumar V	International Conference on Advancements in Research and Development (ICARD 2021)	2021	2582-4376
20.	Aerodynamic Performance Analysis of Low-Speed Wind Turbine Aerofoils with Inverted Dimples	Mr.Karthikeyanagamanickam V, Mr.T.Arulmozhinatha, Mr.B.Ashok Kumar, Mr.S.Deepak	International Journal of Engineering Sciences & Research Technology	2020	2277-9655
21.	Numerical Investigation of Composite Stiffened Panel with Various Stiffeners Under Axial Compression	M. Ganesh	AIP Conference Proceedings	2020	0094-243X
22.	Developing A Smart Fuel Using Artificial Neural Network for Compression Ignition Engine Fueled with Calophyllum Inophyllum Diesel Blend at Various Compression Ratio	Paramaguru Venugopal, Suresh Chinnasamy	Environmental Progress and Sustainable Energy	2020	1944-7442

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23.	Numerical Analysis of Dimple Effect on Airfoils for Varied AoA	Saravanan R, Sharu Sri.K, Sundareswaran.E, Vyshnavi Krishnamoorthy, Sri Balaji S	International Research Journal on Advanced Science Hub	2020	2277-9655
24.	Modelling And Analysis of Mini-Gas Turbine Nozzle for Different Thrust Conditions	D.Tamilvendan, S.Sivaraman	Studies in Indian place Names, UCG Care Journal	2020	2394-3114
25.	Investigation On the Effect of Leading-Edge Tubercles of Sweptback Wing at Low Reynolds Number	Veerapathiran Thangaraj Gopinathan	Journal of mechanics and industry	2020	2257-7777
26.	Mechanical Behaviour of Hybrid Composites Prepared Using Sisal–Pineapple-Kenaffibre	D.Tamilvendan, S.Sivaraman	International Journal of Recent Technology and Engineering	2020	2277-3872
27.	Numerical Simulation on Commercial Aircraft Wing to Enhance Aerodynamics Efficiency: In Tierärztliche	C.Suresh	Praxis Journal (UCG)	2019	1756-1019
28.	A Review on Thermal Energy Storage Systems in Solar Air Heaters	Maruthaiyan Pradhapraj	International Journal of Energy Research	2019	0363-907X
29.	Prediction And Optimization of CI Engine Performance Fuelled with Calophyllum Inophyllum Diesel Blend Using Response Surface Methodology (RSM)	Suresh Chinnasamy	Environmental Science and Pollution Research	2018	1614-7499

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30.	Influence Of Stacking Sequence and Thickness on The Free Vibrational Behaviour of Carbon/Epoxy Laminates	MadhanKumar M, Hareen Kumara, Lokeshwarana, Aravindasana, Arun Kumar	Materials Today: Proceedings	2018	2214-7853
31.	Thermo Mechanical Behavior of Glass-Kevlar/Epoxy Hybrid Laminates - An Experimental and Theoretical Approach	Madhan Kumar	Materials Today: Proceedings	2018	2214-7853

Book Chapter Publication details

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Year of publication	ISBN/ISSN number of the proceeding	Whether at the time of publication Affiliating Institution was same Yes/NO	Name of the publisher
1	Saravana Kumar V Dr Gopinathan VT	Cloud IoT systems for Smart agriculture Engineering	Chapter- Application of Drones with Variable Area Nozzles for Effective Smar Farming Activitie	2022	9781003185413	Yes	CRC Press, Taylor & Francis Group