



ACS COLLEGE OF ENGINEERING
AERONAUTICAL ENGINEERING



No. of Research Papers Published by the faculty members in the last five years

Sl No	Title of paper	Name of the author/s	Department of the Faculty	Name of Journal	Year of publication	ISSN number	Link to the Journal /Digital Object Identifier (doi) number		
							Link to website of the Journal	Link to the Published article/Paper	Indexed in Scopus/Web of Science/Others
2025									
1	Advanced aerodynamic prediction software for versatile canard-controlled missile configurations	Theerthamalai P, Mukesh R, Praveenkumar M, Prashanth M, Inamul Hasan.	Aeronautical	Physics of Fluids	FEB/ 2025	1070-6631	https://pubs.aip.org/aip/pof/	https://pubs.aip.org/aip/pof/article-abstract/37/2/023626/3336736/Advanced-aerodynamic-prediction-software-for	Q1.SCI
2	Enhancing Performance and Stability of Wing-Alone UAV: A Comprehensive Mathematical Model and Simulation Approach Using MATLAB and Simulink.	G. Ramanan N. Rahul	Aeronautical	Modelling and Simulation in Engineering	MAR/ 2025	1687-5605	https://onlinelibrary.wiley.com/journal/8203	https://onlinelibrary.wiley.com/doi/10.1155/mse/3515887	Q2.SCIE
3	Influence of rough surfaces on airfoil aerodynamics and the ground effect on near-wall flow.	Dhanya Prakash R. Babu Inamul Hasan R. Mukesh	Aeronautical	Physics of Fluids	FEB/ 2025	1070-6631	https://pubs.aip.org/aip/pof/	https://pubs.aip.org/aip/pof/article-abstract/37/2/023607/3333972/Influence-of-rough-surfaces-on-airfoil?redirectedFrom=PDF	Q1.SCI
4	Evaluation of traditional and slotted winglets for enhanced aerodynamic efficiency.	Dhanya Prakash R. Babu Inamul Hasan R. Mukesh	Aeronautical	Physics of Fluids	FEB/ 2025	1070-6631	https://pubs.aip.org/aip/pof/	https://pubs.aip.org/aip/pof/article-abstract/37/2/023102/3333355/Evaluation-of-traditional-and-slotted-winglets-for?redirectedFrom=fulltext	Q1.SCI
5	Exploration and Characterization of Biodegradable Hybrid Composites Reinforced with Areca Leaf Sheath Fiber and Tamarind Seed Powder.	Ramanan G, Prerna Singh, Paavana M, Sneha SK, Vinodhini A,	Aeronautical	Results in Engineering	MAR/ 2025	2590-1230	https://www.science-direct.com/journal/results-in-engineering	https://www.sciencedirect.com/science/article/pii/S2590123025005523	Q1.SCI

6	Comparison of aerodynamic characteristics of an UAV using DATCOM and CFD analysis.	Mukesh Raju, P. Theerthamalai, Praveen Kumar Marankumar, Prashanth Marankumar Inamul Hasan	Aeronautical	Progress in Computational Fluid Dynamics, an International Journal.	MAR/ 2025	1741-5233	https://www.inderscience.com/jhome.php?jcode=pcfd	https://www.inderscience.com/info/inarticle.php?artid=144813	SCOPUS
7	Investigation on variation of potential core in supersonic jets.	Ramanan.G, Ganesh.R,	Aeronautical	Advances in Science, Technology & Innovation	JUNE/ 2025	2522-8722	https://link.springer.com/series/15883	https://link.springer.com/chapter/10.1007/978-3-031-76937-5_23#:~:text=From%20the%20study%2C%20the%20following,t	SCOPUS
8	Influence of Axial Spacing on Single-Stage Compressor Cascade Performance.	Ramanan.G, Ganesh.R,	Aeronautical	Advances in Science, Technology & Innovation	JUNE/ 2025	2522-8722	https://link.springer.com/series/15883	https://link.springer.com/chapter/10.1007/978-3-031-76937-5_24#:~:text=Thus%2C%20the%20optimal%20axial%20spacing,the%20rotor%20and%20stator%20blades,	SCOPUS
9	Enhancing Electron Beam Welding Parameters of Ni-Cr-718 Alloy using Taguchi based grey Relational Analysis.	Ramanan.G, Ganesh.R,	Aeronautical	Intelligent Manufacturing and Energy Sustainability	JUNE/ 2025	2190-3018	https://link.springer.com/book/9789819647170	https://link.springer.com/book/9789819647170	SCOPUS
10	Supersonic Aerodynamic Enhancement of Swept-Forward and Swept-Back Grid Fins Using HiFUD	Theerthamalai P, Ramanan G,	Aeronautical	Journal of Spacecrafts and Rockets	JULY/ 2025	1533-6794	https://arc.aiaa.org/loi/jsr	https://arc.aiaa.org/toc/jsr/0/0	Q1.SCI
2024									
11	Hovering performance analysis of helicopter rotor blades using supercritical airfoil.	Inamul Hasan, Mukesh R., Radha Krishnan P., Srinath R.	Aeronautical	Aircraft Engineering and Aerospace Technology	JAN/ 2024	0002-2667	https://www.emeraldgroupublishing.com/journal/aeat	https://www.emerald.com/aeat/article-abstract/96/8/1026/1227830/Hovering-performance-analysis-of-helicopter-	Q2.SCIE
12	Performance analysis of FFNN and Kriging model on prediction of ionospheric TEC during April 2022 – X 1.1 solar flare.	Mukesh, R., Dass, S. C., Vijay, M., Ramanan, G.,	Aeronautical	International Journal of Ambient Energy	JAN/ 2024	2162-8246	https://www.tandfonline.com/journals/taen20	https://www.tandfonline.com/doi/abs/10.1080/01430750.2024.2304726	Q2.SCIE

13	Design and Analysis of UAV Profile for Agriculture and Surveying Application	Mukesh Raju, Theerthamalai Pakkiri, Praveenkumar Marankumar, Prashanth Marankumar, Inamul Hasan	Aeronautical	Pertanika Journal of Science & Technology	JAN/2024	0128-7680	http://www.pertanika.upm.edu.my/resources/files/Pertanika%20PAPERS/IST%20Vol.%2032%20(S1)%202024/01%20IST(S)-0588-2023.pdf	SCOPUS	
14	Performance Evaluation of UAV Airfoil Under Various Ground Conditions	Dhanya Prakash R Babu, Mukesh Raju	Aeronautical	Pertanika Journal of Science & Technology	JAN/2024	0128-7680	http://www.pertanika.upm.edu.my/resources/files/Pertanika%20PAPERS/IST%20Vol.%2032%20(S1)%202024/02%20IST(S)-0590-2023.pdf	SCOPUS	
15	A novel chemical route for low-temperature curing of natural rubber using 2,4 dihydroxybenzaldehyde: improved thermal and tensile properties.	Adeppa A,	Aeronautical	Iranian Polymer Journal	MAR/2024	1026-1265	https://link.springer.com/journal/13726	https://link.springer.com/article/10.1007/s13726-024-01297-7	Q2.SCI
16	Aerofoil optimization using SLSQP and validation using numerical and analytical methods.	Srinath R., Mukesh R. Inamul Hasan, Radha Krishnan P.	Aeronautical	Vietnam Journal of Sciences and Technology	MAR/2024	2815-5874	https://vjs.ac.vn/jst	https://vjs.ac.vn/jst/article/view/19371	SCOPUS
17	Advancements in Advanced Ionic Thrusters: A Pathway to Space Exploration	Karthik G, Gaurav P, Dhanush Raj G, Jawaad, Anand A	Aeronautical	International Journal of Management, Engineering and Technology	MAR/2024	2584-0657	https://www.ijmetonline.in/wp-content/uploads/IJMET_V1_N2_001.pdf	Google Scholar	
18	Aerodynamic Performance Analysis of swept Back Wing with Winglets using CFD	Radhakrishnan P, Ramanan G, Nandan Kumar S, Chandan S, Manjunath HT, Adithya Rao B	Aeronautical	International Journal of Management, Engineering and Technology	MAR/2024	2584-0657	https://www.ijmetonline.in/wp-content/uploads/IJMET_V1_N2_006.pdf	Google Scholar	
19	Optimization of Pitching Moment in Semi-Tailless Small UAV Using Reflexed Airfoil	Dhanyaprakash R. Babu, G. Ramanan1, S. Akhilesh, I. Saniya Khanum, Sayeed Masood Ahmed, K. V. Pramukha	Aeronautical	International Journal of Management, Engineering and Technology	MAR/2024	2584-0657	https://www.ijmetonline.in/wp-content/uploads/IJMET_V2_N1_003.pdf	Google Scholar	

20	Designing and Analysis of Morphing Wing	Dhanya Prakash R. Babu, R. Hanumanthu, M. D. Jeevan Gowda, Rithik Singh, K. Sanjay	Aeronautical	International Journal of Management, Engineering and Technology	MAR/2024	2584-0657	https://www.ijmetonline.in/wp-content/uploads/IJMET_V2_N1_002.pdf	Google Scholar
21	Design and Optimization of a Transonic Truss Braced Winged Aircraft	Syedeem Khan, Syed Eshaque, Santosh Prabhu S, Anand A	Aeronautical	International Journal of Management, Engineering and Technology	MAR/2024	2584-0657	https://www.ijmetonline.in/wp-content/uploads/IJMET_V1_N2_003.pdf	Google Scholar
22	Structural Analysis of an Aircraft Wing with Slotted Flap for Various Materials	Radha Krishnan P, Mukesh R, Inamul Hasan, Srinath R	Aeronautical	International Journal of Engineering Trends and Technology	APRIL/2024	2231-5381	https://ijettjournal.org/Volume-72/Issue-4/IJETT-V72I4P135.pdf	SCOPUS
23	Effect of Al7075 and activated carbon reinforced composite on optimizing WEDM responses.	Ramanan G, NeelaRanjan R R, Suresh S, Cho J, Sathishkumar V E.	Aeronautical	Materials Research Express.	MAY/2024	2053-1591	https://iopscience.iop.org/journal/2053-1591	Q2.SCIE
24	Experimental Investigation of Solid Rocket Motor Burning Characteristics using Potassium Nitrate and Sucrose Formulated Propellants with Varied Nozzle Profiles	Ramanan G, Ahmed S T, Sahil M, Pasha T, Perumal S.	Aeronautical	Journal of Aeronautics, Astronautics and Aviation.	JUL/2024	1990-7710	https://www.ipress.tw/I0039	SCOPUS
25	Unveiling the synergistic effect of zinc oxide and carbon black nanoparticles on the dielectric properties of vulcanized natural rubber.	A. Anand,	Aeronautical	Next Nanotechnology	AUG/2024	2949-8295	https://www.sciencedirect.com/journal/next-nanotechnology	SCOPUS
26	Development of statistical and soft computing regression models for WEDM machining of aluminum composites.	Ramanan G	Aeronautical	International Journal on Interactive Design and Manufacturing.	AUG/2024	1955-2505	https://link.springer.com/journal/12008	Q2.SCIE

27	CFD investigation of dual synthetic jets on an optimized aerofoil's trailing edge.	R Srinath, R Mukesh, I Hasan, P Radha Krishnan	Aeronautical	Journal of Applied Fluid Mechanics	SEP/2024	1735-3645	https://www.jafmonline.net/	https://www.jafmonline.net/article/2508_d98ace2c9df78cfe43e44821be79e56d.pdf	SCOPUS
2023									
28	Parametric study of FSW process on AA6061-Activated carbon composite using particle swarm optimization.	Samuel G D, Ramanan G, Raj R A, Raja D B.		Materials Today: Proceedings	JAN/2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785322075897	SCOPUS
29	Influence of MoS ₂ with TiC on the Tribological and Wear Properties of Hybrid Aluminum Composites.	Ramanan G, Dennis BP, Ramakrishnan NR, Rajendran AR.		In Intelligent Manufacturing and Energy Sustainability: Proceedings	JUN/2023	3005-8066	https://link.springer.com/book/10.1007/978-981-19-8497-6	https://link.springer.com/chapter/10.1007/978-981-19-8497-6_27	SCOPUS
2022									
30	Forward Flight Performance Analysis of Supercritical Airfoil in Helicopter Main Rotor	Inamul Hasan	Aeronautical	Intelligent Automation and Soft Computing	2022	1079-8587	https://www.techscience.com/journal/iasc	https://file.techscience.com/ueditor/files/iasc/TSP_IASC-33-1/TSP_IASC_23252/TSP_IASC_23252.pdf	SCOPUS
31	Aerodynamic Performance analysis of supercritical airfoil in helicopter main rotor blades	Inamul Hasan	Aeronautical	Transactions of the Canadian Society for Mechanical Engineering	2022	2816-5691	https://cdnsiencepub.com/journal/tcsme	https://cdnsiencepub.com/doi/10.1139/tcsme-2021-0067	Q2.SCIE
32	Static structural analysis and testing of aircraft wing spar using composite material	Dr G.Ramanan	Aeronautical	Materials Today	2022	22147853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322029339	SCOPUS
33	CMAC Trained Optimum Mid-course Guidance for Tactical Flight Vehicle	Dr A K Sarkar	Aeronautical	Defence Science Journal	2022	22147853	https://publications.drdo.gov.in/ojs/index.php/dsj/about	https://publications.drdo.gov.in/ojs/index.php/dsj/article/view/16295	SCI

34	Computational study of aerodynamic Performance of three and four-bladed Helicopter rotor with supercritical airfoil	Inamul Hasan	Aeronautical	Journal of Environmental Protection and Ecology	2022	1311-5065	https://www.interaction-design.org/literature/journal/journal-of-environmental-protection-and-ecology	https://www.researchgate.net/publication/357622093_COMPUTATIONAL_STUDY_OF_AERODYNAMIC_PERFORMANCE_OF_THREE_AND_FOUR-BLADED_HELICOPTER_ROTOR_WITH_SUPERCRITICAL_AIRFOIL	SCOPUS
35	A Global Optimization Algorithm for Intelligent Electromechanical Control System with Improved Filling Function	Inamul Hasan	Aeronautical	Scientific Programming	2022	1875-919X	https://www.hindawi.com/journals/sp/	https://www.hindawi.com/journals/sp/2022/3361027/	SCOPUS
2021									
36	Multi-response optimization of FSW process parameters of ZE42 alloy using RSM based grey relational analysis	G. Ramanan	Aeronautical	Intelligent Manufacturing and Energy Sustainability,	2021	2190-3018	https://link.springer.com/book/10.1007/978-981-19-8497-6	https://link.springer.com/chapter/10.1007/978-981-33-4443-3_13	SCOPUS
37	Aerodynamic Performance Analysis of a Variable Sweep Wing for Commercial Aircraft Applications	Radhakrishnan & Ramanan G	Aeronautical	ACS Journal for Science and Engineering,	2021	2582-9610	http://www.acsjse.in/index.php/acsjse	http://www.acsjse.in/index.php/acsjse/article/view/5	Google Scholar
38	An aerodynamic performance study and analysis of SD7037 fixed wing UAV airfoil	G. Ramanan, Radhakrishnan P, Ranjan H	Aeronautical	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785321036270	SCOPUS
39	CFD Analysis of Delta Wing Body Configurations at Lower Angle of Attack	Satish Hiremath	Aeronautical	International Journal of Aeronautical Science & Aerospace Research.	2021	2470-4415	https://www.irjet.net/	https://www.irjet.net/archives/V8/i10/IRJET-V8I1065.pdf	Google Scholar
40	CMAC Trained Optimum Mid-course Guidance for Tactical Flight Vehicle	A.K. Sarkar	Aeronautical	Defence Science Journal	2021	0976-464X	https://publications.drdo.gov.in/ojs/index.php/dsj/about	https://publications.drdo.gov.in/ojs/index.php/dsj/article/view/16295/7657	SCOPUS

41	Multi-objective optimisation of transesterified Jatropa curcas oil using response surface methodology and grey relational analysis	G. Ramanan	Aeronautical	Ambient Energy	2021	2162-8246	https://www.tandfonline.com/journals/tae n20	https://www.tandfonline.com/doi/abs/10.1080/01430750.2019.1630300	Q2.SCIE
42	Optimization of responses in electron beam welding of inconel-718 alloy using genetic algorithm approach	G. Ramanan	Aeronautical	International J of Advanced Technology and Engineering Exploration.	2021	2394-7454	https://accentsjournals.org/journals1.php?journalsId=110	https://accentsjournals.org/PaperDirectory/Journal/IJATEE/2021/11/8.pdf	SCOPUS
43	Computational study of aerodynamic Performance of three and four-bladed Helicopter rotor with supercritical airfoil	Inamul Hasan, Radhakrishnan & Dhanya Prakash R Babu	Aeronautical	Journal of Environmental Protection and Ecology	2021	1311-5065	https://cdnsiencepub.com/journal/tcsme	https://cdnsiencepub.com/doi/abs/10.1139/tcsme-2021-0067	SCOPUS
44	Computational Analysis of Base Drag Reduction for a Subsonic Missile Projectile at Different Flow Velocity Conditions	Dr G.Ramanan	Aeronautical	International Journal of Vehicle Structures & Systems	2021	0975-3060	https://maftree.org/eja/index.php/ijvss	https://maftree.org/eja/index.php/ijvss/article/view/1545	SCOPUS
45	Aerodynamic Performance Analysis of a Variable Sweep Wing for Commercial Aircraft Applications	Radhakrishnan P, Dr.G.Ramanan	Aeronautical	ACS Journal for Science and Engineering	2021	NIL	http://www.acsjse.in/index.php/acsjse	http://www.acsjse.in/index.php/acsjse/article/view/5	Google Scholar
46	Optimization of responses in electron beam welding of inconel-718 alloy using genetic algorithm approach	Dr G.Ramanan	Aeronautical	International Journal of Advanced Technology and Engineering Exploration	2021	1501-1513	https://accentsjournals.org/journals1.php?journalsId=110	https://accentsjournals.org/paperInfo.php?journalPaperId=1363&countPaper=657	SCOPUS

2020									
47	A Novel Detection of Defects in Al-SiC Composite by Active Pulsed Infrared Thermography Using Data and Image Processing	Dr G.Ramanan	Aeronautical	Transactions of the Indian Institute of Metals	2020	0972-2815	https://www.springer.com/journal/12666	https://link.springer.com/article/10.1007/s12666-020-02074-9	Q1.SCI
48	Characterization, corrosion and failure strength analysis of Al7075 influenced with B ₄ C and Nano-Al ₂ O ₃ composite using online acoustic emission	Dr G.Ramanan	Aeronautical	Materials Research Express	2020	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/ab6257	Q1.SCIE
49	Fabrication of Maglev Assisted Take-Off System	Arun A K	Aeronautical	SSRG International Journal of Mechanical Engineering	2020	2348 - 8360	https://www.internationaljournalssrg.org/IJME/index.html	http://www.internationaljournalssrg.org/IJME/2020/Volume7-Issue9/IJME-V7I9P102.pdf	SCOPUS
50	Aerodynamic Analysis Of Isolated 3 Bladed Helicopter With Supercritical Airfoil	Inamul Hasan M	Aeronautical	Solid State Technology	2020	0038-111X	http://solidstatetechnology.us/index.php/IJST/	https://solidstatetechnology.us/index.php/IJST/article/view/3497	SCOPUS
51	Performance analysis of Navigation with Indian Constellation Satellites	Prof. P.Soma	Aeronautical	Journal of King Saud University	2020	1018-3639	https://www.sciencedirect.com/journal/journal-of-king-saud-university-engineering-sciences	https://www.sciencedirect.com/science/article/pii/S101836391930087X	SCOPUS
52	Ordinary kriging - and cokriging - based surrogate model for ionospheric TEC prediction using NavIC/GPS data	Prof. P.Soma	Aeronautical	Acta Geophysica	2020	1895-7455	https://www.springer.com/journal/11600	https://link.springer.com/article/10.1007/s11600-020-00473-6	Q1.SCI

53	Prediction of TEC using NavIC/GPS data with geostatistical method/forecasting capability comparison with other models	Prof. P.Soma	Aeronautical	Astrophysics and Space Science	2020	1572-946X	https://www.springer.com/journal/10509	https://link.springer.com/article/10.1007/s10509-020-03868-5	Q1.SCI
54	Forecasting of ionospheric TEC for different latitudes, seasons and solar activity conditions based on OKSM	Prof. P.Soma	Aeronautical	Astrophysics and Space Science	2020	1572-946X	https://www.springer.com/journal/10509	https://link.springer.com/article/10.1007/s10509-020-3730-x	Q1.SCI
2019									
55	Multi-objective optimization of AWJM of lead tin alloy by GRA	Dr G Ramanan	Aeronautical	International Journal of Recent Technology and Engineering	2019	2277-3878	https://www.ijrte.org/	https://www.ijrte.org/wp-content/uploads/papers/v8i2S3/B10120782S319.pdf	SCOPUS
56	Characterization, wear surface roughness and tensile failure analysis of Al7075-TiC-MoS2 hybrid composites using online acoustic emission	Dr G Ramanan	Aeronautical	Materials Research Express	2019	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/ab0d7a	SCI
57	Experimental wear study between piston ring and cylinder liner pair with mahua oil as lubricant for automobiles	Dr G Ramanan	Aeronautical	International Journal of Vehicle Structures and Systems	2019	0975-3060	https://maftree.org/eja/index.php/ijvss	https://maftree.org/eja/index.php/ijvss/article/view/1319	SCOPUS
58	Processing and characterization of mechanical and wear behavior of Al7075 reinforced with B4C and nano graphene hybrid composite	Dr G Ramanan	Aeronautical	Materials Research Express	2019	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/ab6263	Q2.SCI
59	Growth of Ni-Cu-Zn electrolyte coated thin layer carbon fiber reinforced aluminium composite	Dr G Ramanan	Aeronautical	Materials Research Express	2019	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://iopscience.iop.org/article/10.1088/2053-1591/ab6401	Q2.SCI

60	Multi-objective optimisation of transesterified Jatropa curcas oil using response surface methodology and grey relational analysis	Dr G Ramanan	Aeronautical	International Journal of Ambient Energy,	2019	ISSN: 01430750	https://publons.com/journal/11888/international-journal-of-ambient-energy/	https://www.tandfonline.com/doi/abs/10.1080/01430750.2019.1630300	SCI
61	Performance analysis of Navigation with Indian Constellation satellites	Prof. P.Soma	Aeronautical	Journal of King Saud University - Engineering Sciences	2019	2213-1558	https://www.sciencedirect.com/journal/journal-of-king-saud-university-engineering-sciences	https://www.sciencedirect.com/science/article/pii/S101836391930087X	SCOPUS
62	Analysis of signal strength, satellite visibility, position accuracy and ionospheric TEC estimation of IRNSS	Prof. P.Soma	Aeronautical	Astrophysics and Space Science	2019	1572-946X	https://www.springer.com/journal/10509	https://link.springer.com/article/10.1007/s10509-019-3676-z	Q1.SCI
63	Cokriging based statistical approximation model for forecasting Ionospheric VTEC during high solar activity and storm days	Prof. P.Soma	Aeronautical	Astrophysics and Space Science	2019	1572-946X	https://www.springer.com/journal/10509	https://link.springer.com/article/10.1007/s10509-019-3612-2	Q1.SCI
64	Prediction of Ionospheric Vertical Total Electron Content from GPS data using Ordinary Kriging-based Surrogate Model	Prof. P.Soma	Aeronautical	Astrophysics and Space Science	2019	1572-946X	https://www.springer.com/journal/10509	https://link.springer.com/article/10.1007/s10509-019-3502-7	Q1.SCI
65	Prediction of Ionospheric Vertical Total Electron Content from GPS data using Ordinary Kriging-based Surrogate Model	Prof. P.Soma	Aeronautical	Astrophysics and Space Science	2019	1572-946X	https://www.springer.com/journal/10509	https://link.springer.com/article/10.1007/s10509-019-3502-7	Q1.SCI
2018									
66	Computational analysis of blended winglet model performance by varying cant angle	Dr G Ramanan	Aeronautical	Journal of Computational and Theoretical Nanoscience	2018	1546-1963	http://www.aspbs.com/ctn/	http://www.aspbs.com/ctn/	SCOPUS
67	Prediction of responses in FSW processed hybrid composites using soft computing technique	Dr G Ramanan	Aeronautical	Journal of Computational and Theoretical Nanoscience	2018	1546-1963	http://www.aspbs.com/ctn/	http://www.aspbs.com/ctn/	SCOPUS

68	Experimental Study on Change in Mechanical Characteristics of E-Glass Fibre Reinforced Epoxy Composite by Adding Carbon Nanotube Layers	Albert Allen D mello and G.Ramanan	Aeronautical	Asian Journal of Chemistry	2018	0970-7077	http://www.asianjournalofchemistry.co.in/Home.aspx	http://www.asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=31_6_11	SCOPUS
69	Effect of Carbon Nanotube Layers on Change in Mechanical Characteristic of E-Glass Fiber Reinforced Epoxy Composite	Albert Allen D mello, G.Ramanan and Dhanya Prakash R Babu	Aeronautical	International Journal of Innovative Technology and Exploring Engineering	2018	2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i4/D2613028419.pdf	SCOPUS
70	Wear characteristics of titanium carbides and MOS 2 reinforced aluminium hybrid composites	Dr G Ramanan	Aeronautical	International Journal of Mechanical and Production Engineering Research and Development,	2018	ISSN: 22496890	http://www.tjprc.org/	http://www.tjprc.org/journals/journal-of-mechanical-engineering	SCOPUS
71	Buckling analysis of stiffened panels under Fuselage bending	Dr G.Ramanan	Aeronautical	International Journal of Engineering and Technology(UAE)	2018	ISSN: 2227524X	http://www.ijetch.org/	https://www.sciencepubco.com/index.php/ijet/article/view/17073	SCOPUS
72	Prediction of machining characteristics of hybrid composites using response surface methodology approach	Dr G.Ramanan	Aeronautical	International Journal of Engineering and Technology(UAE)	2018	ISSN: 2227524X	http://www.ijetch.org/	https://www.researchgate.net/publication/327838518_Prediction_of_Machining_Characteristics_of_Hybrid_Composites_Using_Response_Surface_Methodology_Approach	SCOPUS
73	Optimization of machining characteristics of hybrid composites using grey relational technique	Dr G Ramanan	Aeronautical	Int. Journal of Engineering and Technology (UAE)	2018	2227-524X	https://www.sciencepubco.com/index.php/ijet/article/view/17077	https://www.sciencepubco.com/index.php/IJET	SCOPUS

74	The performance improvement analysis of rotor induced vibrations in helicopter structure	Dr G.Ramanan	Aeronautical	International Journal of Mechanical and Production Engineering Research and Development	2018	ISSN: 22496890	http://www.tjprc.org/	http://www.tjprc.org/conference-archives.php?cid=15298	SCOPUS
75	Evaluation of stress intensity factor of fracture model for glass fiber epoxy resin composite	Dr G Ramanan	Aeronautical	Int. Journal of Mechanical and production Engineering research and Development	2018	2249-6890	http://www.tjprc.org/view-archives.php?page=75&keyword=&from-date=&to-date=&id=67&jtype=2&journal=67	http://www.tjprc.org/journals/journal-of-mechanical-engineering	SCOPUS
76	Parametric Optimization of Wire Cut Electrical Discharge Machining on Al-9% PAC Composites using Desirability Approach	Dr G Ramanan	Aeronautical	International Journal of Vehicle Structures & Systems	2018	0975-3060	https://maftree.org/eja/index.php/ijvss	https://trid.trb.org/view/1591052	SCOPUS