

Dr. J. T. Winowlin jappes
Professor
Kalasalingam University

1. Layering pattern effects on vibrational behavior of coconut sheath/banana fiber hybrid composites KS Kumar, I Siva, N Rajini, JTW Jappes, SC Amico Materials & Design 90, 795-803-2016.
2. Extraction and characterization of new natural lignocellulosic fiber Cyperus pangorei K Mayandi, N Rajini, P Pitchipoo, JTW Jappes, AV Rajulu International Journal of Polymer Analysis and Characterization 21 (2), 175-183-2016.
3. Mechanical and machining performance of glass and coconut sheath fibre polyester composites using AWJM S Kalirasu, N Rajini, JT Winowlin Jappes, M Uthayakumar, S Rajesh Journal of Reinforced Plastics and Composites 34 (7), 564-580-2015.
4. A comparative study on characterisations of Cissus quadrangularis and Phoenix reclinata natural fibres K Mayandi, N Rajini, P Pitchipoo, VS Sreenivasan, JTW Jappes, Journal of Reinforced Plastics and Composites 34 (4), 269-280-2016.
5. Effect of the stacking sequence on vibrational behavior of Sansevieria cylindrica/coconut sheath polyester hybrid composites C Bennet, N Rajini, JTW Jappes, I Siva, VS Sreenivasan, SC Amico Journal of Reinforced Plastics and Composites 34 (4), 293-306-2015.
6. Mechanical performance of Cissus quadrangularis/polyester composite K Mayandi, N Rajini, P Pitchipoo, JTW Jappes, I Siva Materials Today Communications 4, 222-232-2015.
7. AWJM Performance of jute/polyester composite using MOORA and analytical models S Kalirasu, N Rajini, S Rajesh, JTW Jappes, K Karuppasamy Materials and Manufacturing Processes 32 (15), 1730-1739-2017.
8. Dry sliding wear studies on SiC reinforced functionally graded aluminium matrix composites KV Babu, JTW Jappes, TPD Rajan, M Uthayakumar Proceedings of the Institution of Mechanical Engineers, 2016.
9. Fire and thermal resistance properties of chemically treated ligno-cellulosic coconut fabric-reinforced polymer eco-nanocomposites N Rajini, JT Winowlin Jappes, I Siva, A Varada Rajulu, Journal of Industrial Textiles 47 (1), 104-124-2017.
10. Study on the machining of Al-SiC functionally graded metal matrix composite using die-sinking EDM M Uthayakumar, KV Babu, ST Kumaran, SS Kumar, JTW Jappes, Particulate Science and Technology 37 (1), 103-109-2019.
11. Effects of fiber surface modification on the friction coefficient of luffa fiber/polyester composites under dry sliding condition G Kalusuraman, I Siva, JTW Jappes, SA Kumar Journal of Polymer Engineering 36 (8), 837-846-2016.
12. Fibre loading effects on dynamic mechanical properties of compression moulded luffa fibre polyester composites G Kalusuraman, I Siva, JTW Jappes, XZ Gao, SC Amico International Journal of Computer Aided Engineering and Technology 2018.
13. Optimization of drilling process on Al-SiC Composite using grey relation analysis KV Babu, M Uthayakumar, JTW Jappes, TPD Rajan Materials Science and Engineering: Concepts, Methodologies, Tools, 2017.
14. A Modified Ant Colony based optimization for managing Cloud resources in manufacturing sector NC Brintha, JTW Jappes, S Benedict 2016 2nd International Conference on Green High Performance Computing 2016.
15. Forming and drilling of fiber metal laminates-A review M Thirukumaran, I Siva, JTW Jappes, V Manikandan Journal of Reinforced Plastics and Composites 37 (14), 981-990 2018.

16. Laser-treated austenitic steel and nickel alloy for human implants MA Khan, NR Prasad, SN Krishnan, SK Raja, JTW Jappes, ... Materials and Manufacturing Processes 32 (14), 1635-1641-2017.
17. Hot corrosion behaviour of nickel–iron-based superalloy in gas turbine application D Chellaganesh, MA Khan, JTW Jappes International Journal of Ambient Energy 41 (8), 901-905-2020. Hot corrosion behaviour of nickel–iron-based superalloy in gas turbine application D Chellaganesh, MA Khan, JTW Jappes International Journal of Ambient Energy 41 (8), 901-905-2020.
18. Effect of silane treatment on the Curaua fibre/polyester interface AM Brum da Silva, SM Luz, I Siva, JT Winowlin Jappes, SC Amico Plastics, Rubber and Composites 48 (4), 160-167-2019.
19. Investigation on mechanical properties and chemical treatment of litterous fibre reinforced polymer composites S Milan, T Christopher, JTW Jappes International Journal of Computer Aided Engineering and Technology 2018.
20. Effect of inter-laminar fibre orientation on the tensile properties of sisal fibre reinforced polyester composites K Senthilkumar, I Siva, JT Jappes, SC Amico, F Cardona, MTH Sultan IOP Conference series: materials science and engineering [recurso eletrônico] 2016.
21. Studies on heat treatment and electrochemical behaviour of 3D printed DMLS processed nickel-based superalloy BA Raj, JTW Jappes, MA Khan, V Dillibabu, NC Brintha Applied Physics A 125 (10), 722-2019.
22. Preparation and properties of cellulose/tamarind nut powder green composites:(green composite using agricultural waste reinforcement). TSM Kumar, N Rajini, M Jawaid, AV Rajulu, JTW Jappes Journal of Natural Fibers 15 (1), 11-20-2018.
23. Investigation on corrosion performance of multilayer Ni-P/TiO₂ composite coating on steel ME Sahayaraj, JTW Jappes, I Siva, N Rajini Science and Engineering of Composite Materials 23 (3), 309-314-2016.
24. Effect of curing temperature and layering pattern on performance studies: a novel hybrid composite C Bennet, N Rajini, I Siva, JTW Jappes, SC Amico Journal of Polymer Engineering 35 (2), 127-134-2015.
25. Direct metal laser sintered (DMLS) process to develop Inconel 718 alloy for turbine engine components BA Raj, JTW Jappes, MA Khan, V Dillibabu, NC Brintha Optik 202, 163735-2020
26. Experimental design and theoretical analysis on the various tribological responses of curauá/polyester composites T Premkumar, I Siva, PD Neis, SC Amico, NF Ferreira, JTW Jappes Materials Research Express 6 (12), 125337-2019.
27. Cyclic oxidation and hot corrosion behavior of nickel–iron-based superalloy D Chellaganesh, MA Khan, JTW Jappes, S Sathiyarayanan High Temperature Materials and Processes 37 (2), 173-180-2018.
28. INVESTIGATION OF MARGIN EFFECT TO MINIMIZE DELAMINATION DURING DRILLING OF DIFFERENTLY STACKED GFRP-ALUMINUM FIBER METAL LAMINATES (3/2 GLARE) M Thirukumaran, JTW Jappes, I Siva, SC Amico, JP Davim Journal of Manufacturing Technology Research 10 (1/2), 17-27-2018.
29. Mechanical characteristics of tri-layer eco-friendly polymer composites for interior parts of aerospace application K Senthilkumar, I Siva, N Rajini, JTW Jappes, S Siengchin Sustainable Composites for Aerospace Applications, 35-53-2018.
30. Erratum: Investigation on mechanical and tribological behavior of naturally woven coconut sheath–reinforced polymer composites I Siva, JTW Jappes, B Suresha Polymer Composites 38 (7), 1492-1492-2017.
31. Indentation Creep Response and Rupture Mechanisms in GLARE: Experimental and Statistical Evaluation M Thirukumaran, JTW Jappes, I Siva, SA Kumar, SC Amico Journal of Testing and Evaluation 49 (3)-2019.
32. Development and characterization of novel fiber-metal-laminate (FML) using aluminium sheet and ceramic mat VN Anbazhagan, RE Raj, JT Jappes Materials Express 9 (4), 358-364-2019.

33. High temperature oxidation behavior of thermally sprayed alumina—titania coatings on nickel based superalloys D Chellaganesh, MA Khan, JTW Jappes Materials Research Express 6 (8), 086521-2019.
34. An Overview on Plant Fiber Technology: An Interdisciplinary Approach AMB da Silva, SM da Luz, I Siva, JTW Jappes, SC Amico Sustainable Polymer Composites and Nanocomposites, 977-999-2019.
35. Investigation to Appraise the Abrasive Water Jet Response of Curaua/Basalt Hybrid Polyester Composites T Premkumar, S Irulappasamy, S Rajesh, JTW Jappes, SC Amico International Journal of Manufacturing, Materials, and Mechanical-2019.
36. Hybrid Composite Material and Solid Particle Erosion Studies D Chellaganesh, MA Khan, AM Ashif, T Ragul Selvan, S Nachiappan, ... MS&E 346 (1), 0120140-2018.
37. Effect of Curing Temperature on Mechanical Properties of Sansevieria Cylindrica Polyester Composites C Bennet, N Rajini, JT Jappes, S Siengchin Advanced Science, Engineering and Medicine 10 (3-4), 416-419 2018.
38. Effect of starch treatment and hybridisation on the mechanical properties of natural fibre composites G Kalusuraman, I Siva, JTW Jappes, SC Amico International Journal of Computer Aided Engineering and Technology 2017.
39. Investigation on utilization of water hyacinth aquatic plants towards various bio products—Survey A Ajithram, JTW Jappes, NC Brintha Materials Today: Proceedings 2020
40. Adopting cloud computing for service integration—Wind mill blade manufacturing SMEs in India NC Brintha, JTW Jappes, NJ Christo, MA Khan Materials Today: Proceedings 2020
41. Thermal barrier coatings for high temperature applications—A short review D Chellaganesh, MA Khan, JTW Jappes Materials Today: Proceedings 2020
42. Water hyacinth (Eichhornia crassipes) natural composite extraction methods and properties—A review A Ajithram, JTW Jappes, NC Brintha Materials Today: Proceedings 2020
43. Tribological studies of surface-modified sansevieria cylindrica fiber-reinforced polyester composites C Bennet, K Mayandi, JTW Jappes, N Rajini, I Siva Tribology of Polymer Composites: Characterization, Properties. 2020
44. Effect of modified method of coating on particle incorporation and wear resistance of nickel–phosphorus–diamond composite coatings JTW Jappes, NC Brintha, MA Khan, NJ Christo Materials Today: Proceedings. 2020
45. Managing & Detecting Fishy Nodes in MANET using Cloud Concepts NC Brintha, JTW Jappes, MS Vignesh 2020 Third International Conference on Smart Systems and Inventive 2020
46. On the interfacial adhesion of fiber metal laminates using surface modified aluminum 7475 alloy for aviation industries—a study M Thirukumaran, JTW Jappes, I Siva, R Ramanathan, NC Brintha Journal of Adhesion Science and Technology 34 (6), 635-650 2020.
47. Solid particle erosion studies on thermally deposited alumina–titania coatings over aluminium alloy C Durai, MA Khan, JTW Jappes, NM Ghazaly, PM Mashinini International Journal of Minerals, Metallurgy and Materials 2020
48. Resource allocation in cloud manufacturing using bat algorithm NC Brintha, S Benedict, JTW Jappes International Journal of Manufacturing Technology and Management 34 (3), 296-310 2020
49. Water Hyacinth for Biocomposites—An Overview A Ajithram, JTW Jappes, TSM Kumar, N Rajini, AV Rajulu, SM Rangappa, ... Biofibers and Biopolymers for Biocomposites, 171-179.2020
50. Electrochemical Behaviour and Surface Studies on Austenitic Stainless Steel and Nickel-Based Superalloy Dissimilar Weld Joints MA Khan, D Chellaganesh, M Uthayakumar, JTW Jappes, M Duraiselvam Materials Forming, Machining and Post Processing, 251-266 2020
51. Glass Fiber Hybrid Effects in Assessing the Abrasive Wear Mechanisms of Naturally Woven Fabric/Polymer Composites Under Dry Conditions I Siva, M Thirukumaran, JTW Jappes, B Suresha, SA Kumar, BR Sunil Synthesis and Tribological Applications of Hybrid Materials, 83 2018

52. Suchart Siengchin 2 1Kalasalingam University, Krishnankoil, Tamil Nadu, India, 2King Mongkut's University of Technology North Bangkok, Bangkok, Thailand K Senthilkumar, I Siva, N Rajini, JTW Jappes Sustainable Composites for Aerospace Applications, 35 2018
53. Effect of Chemical Treatment on Tensile and Flexural Performance of Cyperus Pangorei Fibre Reinforced Polyester Composites K Mayandi, N Rajini, JT Jappes, S Siengchin, MS Abilash Advanced Science, Engineering and Medicine 10 (3-4), 476-479 2018
54. Comparison of electroless Ni-P/Ni-B on corrosion performance SJ Leon, JTW Jappes, ME Sahayaraj International Journal of Engineering & Technology 7 (1.9), 88-92 2018
55. A short review on fretting wear behaviour of Al7075 G Poomarimuthukumar, I Siva, M Thirukumaran, JTW Jappes International Journal of Computer Aided Engineering and Technology 2018.
56. Effect of Nanoclay on the Dielectric, Transport, Thermal and Fire Properties of Coconut Sheath/MMT Clay Polyester Hybrid Composites N Rajini, JTW Jappes, S Karthikeyan, AV Rajulu Nanoclay Reinforced Polymer Composites, 127-150-2016. NC Brintha, S Benedict, JTW Jappes International Journal of Computer Aided Engineering and Technology 2015.
57. Effect of process parameters in chemical modifications on mechanical properties of Sansevieria cylindrica/polyester composite using Taguchi technique C Bennet, I Siva, JTW Jappes, N Rajini International Journal of Computer Aided Engineering and Technology 7 (1), 15-28-2015.