

### **List of Publication: Dr. N.Rajini**

1. Nagaprasad Nagaraj, Stalin Balasubramaniam, Vignesh Venkataraman, Ravichandran Manickam, Rajini Nagarajan, Ismail Sikiru Oluwarotimi, Effect of cellulosic filler loading on mechanical and thermal properties of date palm seed/vinyl ester composites, International Journal of Biological Macromolecules, 147, 53-66, 2020.
2. B Stalin, N Nagaprasad, V Vignesh, M Ravichandran, Nagarajan Rajini, Sikiru Oluwarotimi Ismail, Faruq Mohammad, Evaluation of mechanical, thermal and water absorption behaviors of Polyalthia longifolia seed reinforced vinyl ester composites, Carbohydrate Polymers 248, 116748, 2020.
3. Thiagamani Senthil, Muthu Kumar, Krishnasamy Senthilkumar, Muthukumar Chandrasekar, Saravanasankar Subramaniam, Sanjay Mavinkere Rangappa, Suchart Siengchin, Nagarajan Rajini, Influence of Fillers on the Thermal and Mechanical Properties of Biocomposites: An Overview, Biofibers and Biopolymers for Biocomposites, 111-113, 2020.
4. Levente Ferenc Tóth, Jacob Sukumaran, Gábor Szebényi, Ádám Kalácska, Dieter Fauconnier, Rajini Nagarajan, Patrick De Baets, Large-scale tribological characterisation of eco-friendly basalt and jute fibre reinforced thermoset composites, Journal of Wear, 450-451, 203274, 2020.
5. Milan Soosai, Christopher Thankian, Winowlin Jappes Jebas Thangiah, Rajini Nagarajan, Mayandi Kalimuthu, Sikiru Oluwarotimi Ismail, Faruq Mohammad, Characterization of Novel Lignocellulosic Spinifex littoreus Fibers and Their Composites, Journal of Bionic Engineering 17, 393-404, 2020.
6. M Chandrasekar, I Siva, T Senthil Muthu Kumar, K Senthilkumar, Suchart Siengchin, N Rajini, Influence of Fibre Inter-ply Orientation on the Mechanical and Free Vibration Properties of Banana Fibre Reinforced Polyester Composite Laminates, Journal of Polymers and the Environment 28 (11), 2789-2800, 2020.
7. N Nagaprasad, B Stalin, V Vignesh, M Ravichandran, N Rajini, SO Ismail, Applicability of cellulosic-based Polyalthia longifolia seed filler reinforced vinyl ester biocomposites on tribological performance, Journal of Polymer Composites, 2020.
8. T Senthil Muthu Kumar, M Chandrasekar, K Senthilkumar, RA Ilyas, SM Sapuan, N Hariram, A Varada Rajulu, N Rajini, Suchart Siengchin, Characterization, Thermal and Antimicrobial Properties of Hybrid Cellulose Nanocomposite Films with in-Situ

Generated Copper Nanoparticles in Tamarindus indica Nut Powder, Journal of Polymers and the Environment, 1-9, 2020.

9. T Senthil Muthu Kumar, K Senthilkumar, Mantiya Ratanit, N Rajini, Noppavan Chanunpanich, N Hariram, Peerapong Pornwongthong, Suchart Siengchin. Influence of Titanium Dioxide Particles on the Filtration of 1, 4-Dioxane and Antibacterial Properties of Electrospun Cellulose Acetate and Polyvinylidene Fluoride Nanofibrous, Journal of Polymers and the Environment, 1-10, 2020.
10. K Senthilkumar, Thitinun Ungtrakul, M Chandrasekar, T Senthil Muthu Kumar, N Rajini, Suchart Siengchin, Harikrishnan Pulikkalparambil, Jyotishkumar Parameswaranpillai, Nadir Ayrilmis, Performance of Sisal/Hemp Bio-based Epoxy Composites Under Accelerated Weathering, Journal of Polymers and the Environment, 1-13, 2020
11. C Bennet, K Mayandi, JT Winowlin Jappes, Nagarajan Rajini, I Siva, Tribological studies of surface-modified sansevieria cylindrica fiber-reinforced polyester composites, Tribology of Polymer Composites: Characterization, Properties, and Applications, 213, 2020.
12. R Mahesh Kumar, N Rajini, K Mayandi, Nadir Ayrilmis, M Srisuryadharan, P Venkatesh, M Vijayakumar, Analysis on Thermal Properties of Polyethylene–Vinyl Acetate (PEVA) Matrix with Polytetrafluoroethylene (PTFE) Particle-Reinforced Composites, Advances in Materials and Manufacturing Engineering, 187-193, 2020.
13. S Rajesh, A Nair, MA Khan, N Rajini, Hybrid Approach for Prediction and Modelling of Abrasive Water Jet Machining Parameter on Al-NiTi Composites, Intelligent Manufacturing, 173-193, 2020.
14. A Ajithram, JT Winowlin Jappes, Thiagamani Senthil Muthu Kumar, Nagarajan Rajini, Anumakonda Varada Rajulu, Sanjay Mavinkere Rangappa, Suchart Siengchin, Biofibers and Biopolymers for Biocomposites, 171-179, 2020.
15. K Senthilkumar, N Saba, M Chandrasekar, M Jawaaid, N Rajini, Evaluation of mechanical and free vibration properties of the pineapple leaf fibre reinforced polyester composites, Construction and Building Materials 195, 423-431, 2019.
16. SMK Thiagamani, N Rajini, S Siengchin, AV Rajulu, N Hariram, N Ayrilmis, Influence of silver nanoparticles on the mechanical, thermal and antimicrobial properties of cellulose-based hybrid nanocomposites, Journal of Composites Part B: Engineering 165, 516-525, 2019.

17. TSM Kumar, KS Kumar, N Rajini, S Siengchin, N Ayrilmis, AV Rajulu, A comprehensive review of electrospun nanofibers: Food and packaging perspective, *Composites Part B: Engineering* 175, 107074, 2019.
18. K Senthilkumar, N Rajini, N Saba, M Chandrasekar, M Jawaid, Effect of alkali treatment on mechanical and morphological properties of pineapple leaf fibre/polyester composites, *Journal of Polymers and the Environment* 27 (6), 1191-1201, 2019.
19. Senthil Muthu Kumar Thiagamani, Senthilkumar Krishnasamy, Chandrasekar Muthukumar, Jiratti Tengsuthiwat, Rajini Nagarajan, Suchart Siengchin, Sikiru O Ismail, Investigation into mechanical, absorption and swelling behaviour of hemp/sisal fibre reinforced bioepoxy hybrid composites: Effects of stacking sequences, *International journal of biological macromolecules*, 140, 637-646, 2019.
20. M Manoj Prabhakar, N Rajini, Nadir Ayrilmis, K Mayandi, Suchart Siengchin, K Senthilkumar, S Karthikeyan, Sikiru O Ismail, An overview of burst, buckling, durability and corrosion analysis of lightweight FRP composite pipes and their applicability, *Composite Structures*, 230., 111419, 2019.
21. MP Indira Devi, N Nallamuthu, N Rajini, T Senthil Muthu Kumar, Suchart Siengchin, A Varada Rajulu, Nadir Ayrilmis, Biodegradable poly (propylene) carbonate using in-situ generated CuNPs coated Tamarindus indica filler for biomedical applications, *Journals of Materials Today Communications* 19, 106-113, 2019.
22. T Ram Prabhu, M Murugan, BP Chiranth, RK Mishra, N Rajini, P Marimuthu, P Dinesh Babu, G Suganya, Effects of Dual-Phase Reinforcement Particles (Fly Ash +  $Al_2O_3$ ) on the Wear and Tensile Properties of the AA 7075 Al Alloy Based Composites, *Journal of The Institution of Engineers (India): Series D* 100 (1), 29-35, 2019.
23. Nadir Ayrilmis Mayandi Kalimuthu, Rajini Nagarajan, Alavudeen Azeez Batcha, Suchart Siengchin, Varada Rajulu Anumakonda, Mechanical Property and Morphological Analysis of Polyester Composites Reinforced with Cyperus pangorei Fibers, *Journal of Bionic Engineering* 16, 164–174, 2019.
24. Senthilkumar Krishnasamy, Senthil Muthu Kumar Thiagamani, Chandrasekar Muthu Kumar, Rajini Nagarajan, RM Shahroze, Suchart Siengchin, Sikiru O Ismail, Indira Devi MP, Recent advances in thermal properties of hybrid cellulosic fiber reinforced polymer composites, *International journal of biological macromolecules* 141, 1-13, 2019.

25. ID MP, N Nallamuthu, N Rajini, S Siengchin, V Rajulu, N Hariram, Antimicrobial properties of poly (propylene) carbonate/Ag nanoparticle-modified tamarind seed polysaccharide with composite films, *Ionics* 25 (7), 3461-3471, 2019.
26. Senthilkumar Krishnasamy, Chandrasekar Muthukumar, Rajini Nagarajan, Senthil Muthu Kumar Thiagamani, Naheed Saba, Mohammad Jawaaid, Suchart Siengchin, Nadir Ayrilmis, Effect of fibre loading and Ca (OH) 2 treatment on thermal, mechanical, and physical properties of pineapple leaf fibre/polyester reinforced composites, *Journal of Materials Research Express* 6 (8), 085545, 2019.
27. K Yorseng, N Rajini, S Siengchin, N Ayrilmis, V Rajulu, Mechanical and thermal properties of spent coffee bean filler/poly (3-hydroxybutyrate-co-3-hydroxyvalerate) biocomposites: Effect of recycling, *Process Safety and Environmental Protection* 124, 187-195, 2019.
28. K Mayandi, N Rajini, M Manojprabhakar, Suchart Siengchin, Nadir Ayrilmis, Recent studies on durability of natural/synthetic fiber reinforced hybrid polymer composites, *Durability and Life Prediction in Biocomposites, Fibre-Reinforced Composites and Hybrid Composites*, 1-13, 2019.
29. N Rajini, K Mayandi, S Siengchin, N Ayrilmis, C Bennet, S O. Ismail, Tribological Properties of Cyperus pangorei Fiber-Reinforced Polyester Composites (Friction and Wear Behavior of Cyperus pangorei Fiber/Polyester Composites), *Journal of Natural Fibers*, 1-13, 2019.
30. TSM Kumar, N Rajini, T Huafeng, AV Rajulu, N Ayrilmis, S Siengchin, Improved mechanical and thermal properties of spent coffee bean particulate reinforced poly (propylene carbonate) composites, *Particulate Science and Technology* 37 (5), 643-650, 2019.
31. Robert Keresztes, Miklos Odrobina, Rajini Nagarajan, Karthikeyan Subramanian, Gabor Kalacska, Jacob Sukumaran, Tribological characteristics of cast polyamide 6 (PA6G) matrix and their composite (PA6G SL) under normal and overload conditions using dynamic pin-on-plate system, *Composites Part B: Engineering* 160, 119-130, 2019.
32. P Sivaranjana, ER Nagarajan, N Rajini, Nadir Ayrilmis, A Varada Rajulu, Suchart Siengchin, Preparation and characterization studies of modified cellulosic textile fabric composite with in situ-generated AgNPs coating, *Journal of Industrial Textiles*, 1528083719855312, 2019.
33. K Senthilkumar, M Chandrasekar, N Rajini, S Siengchin, V Rajulu, Characterization, thermal and dynamic mechanical properties of poly (propylene carbonate)

lignocellulosic *Cocos nucifera* shell particulate biocomposites, *Materials Research Express* 6 (9), 096426, 2019.

34. T Senthil Muthu Kumar, N Rajini, Suchart Siengchin, A Varada Rajulu, Nadir Ayrilmis, Influence of *Musa acuminata* bio-filler on the thermal, mechanical and visco-elastic behavior of poly (propylene) carbonate biocomposites, *International Journal of Polymer Analysis and Characterization* 24 (5), 439-446, 2019.
35. RM Kumar, N Rajini, TSM Kumar, K Mayandi, S Siengchin, SO Ismail, Thermal and structural characterization of acrylonitrile butadiene styrene (ABS) copolymer blended with polytetrafluoroethylene (PTFE) particulate composite, *Materials Research Express* 6 (8), 085330, 2019.
36. K Senthilkumar, I Siva, M Chandrasekar, N Rajini, G Kalusuraman, Influence of curing temperature on the mechanical and free vibration properties of sisal fiber reinforced polyester composites, *AIP Conference Proceedings* 2057 (1), 020066, 2019.
37. RM Kumar, N Rajini, K Mayandi, N Ayrilmis, Friction and wear properties of PTFE blended ABS polymer composite, *AIP Conference Proceedings* 2057 (1), 020046, 2019.
38. RM Kumar, N Rajini, K Mayandi, S Siengchin, Thermal Performance of Acrylonitrile Butadiene Styrene (ABS) Copolymer Blended with PTFE Particle/Polymer Composite, *Materials Science Forum* 969, 444-450, 2019.
39. MR Sanjay, S Siengchin, CI Pruncu, M Jawaidd, TSM Kumar, N Rajini, Biomedical Applications of Polymer/Layered Double Hydroxide Bionanocomposites, Nanostructured Polymer Composites for Biomedical Applications, 315-322, 2019.
40. K Senthilkumar, N Saba, N Rajini, M Chandrasekar, M Jawaidd, Mechanical properties evaluation of sisal fibre reinforced polymer composites: a review *Construction and Building Materials* 174, 713-729, 2018.
41. TSM Kumar, N Rajini, KO Reddy, AV Rajulu, S Siengchin, N Ayrilmis, All-cellulose composite films with cellulose matrix and Napier grass cellulose fibril fillers. *International journal of biological macromolecules* 112, 1310-1315, 2018.
42. K Mayandi, N Rajini, P Pitchipoo, JT Winowlin Jappes, A Varada Rajulu, Properties of untreated and chemically treated *Cissus quadrangularis* natural fibers and their composites with polyester as the matrix, *Polymer Composites* 39 (3), 876-886, 2018.
43. T Senthil Muthu Kumar, N Rajini, M Jawaidd, A Varada Rajulu, JT Winowlin Jappes, Preparation and Properties of Cellulose/Tamarind Nut Powder Green Composites: (Green composite using agricultural waste reinforcement), *Journal of Natural Fibers*, 15 (1), 11-20. 2018.

44. PA Udaya Kumar, B Suresha, N Rajini, KG Satyanarayana, Effect of treated coir fiber/coconut shell powder and aramid fiber on mechanical properties of vinyl ester. *Polymer Composites* 39 (12), 4542-4550, 2018.
45. B Ashok, K Obi Reddy, Krittirash Yorseng, N Rajini, N Hariram, Suchart Siengchin, A Varada Rajulu, Modification of natural fibers from *Thespesia lampas* plant by in situ generation of silver nanoparticles in single-step hydrothermal method, *International Journal of Polymer Analysis and Characterization* 23 (6), 509-516, 2018.
46. MPI Devi, N Nallamuthu, N Rajini, AV Rajulu, NH Ram, S Siengchin, Cellulose hybrid nanocomposites using Napier grass fibers with in situ generated silver nanoparticles as fillers for antibacterial applications, *International journal of biological macromolecules* 118, 99-106, 2018.
47. S Kavitha, P Venkumar, N Rajini, P Pitchipoo, An efficient social spider optimization for flexible job shop scheduling problem, *Journal of Advanced Manufacturing Systems* 17 (02), 181-196, 2018.
48. S Kalirasu, N Rajini, S Rajesh, S Seingchin, SN Ramaswamy, AWJ machinability performance of CS/UPR composites with the effect of chemical treatment, *Materials and Manufacturing Processes* 33 (4), 452-461, 2018.
49. P Sivaranjana, ER Nagarajan, N Rajini, M Jawaaid, AV Rajulu, Formulation and characterization of in situ generated copper nanoparticles reinforced cellulose composite films for potential antimicrobial applications, *Journal of Macromolecular Science, Part A* 55 (1), 58-65, 2018.
50. Karthikeyan Subramanian, Rajini Nagarajan, Subramaniam Saravanasankar, Jacob Sukumaran, Patrick De Baets, Dynamic mechanical and thermogravimetric analysis of PTFE blended tailor-made textile woven basalt–vinyl ester composites, *Journal of Industrial Textiles* 47 (6), 1226-1240, 2018.
51. V Sadanand, N Rajini, A Varada Rajulu, B Satyanarayana, Effect of sunlight on the preparation and properties of cellulose/silver nanoparticle composite films by in situ method using *Ocimum sanctum* leaf extract, *International Journal of Polymer Analysis and Characterization* 23 (4), 313-320, 2018.
52. S Paramasivan, N ER, R Nagarajan, VR Anumakonda, N. Rajini, Characterization of cotton fabric nanocomposites with in situ generated copper nanoparticles for antimicrobial applications, *Preparative Biochemistry and Biotechnology* 48 (7), 574-581, 2018.
53. K Senthilkumar, I Siva, N Rajini, JTW Jappes, S Siengchin, Mechanical characteristics of tri-layer eco-friendly polymer composites for interior parts of

aerospace application, Sustainable Composites for Aerospace Applications, 35-53, 2018.

54. P Sivaranjana, ER Nagarajan, N Rajini, AV Rajulu, S Siengchin, Green Synthesis of Copper-Reinforced Cellulose Nanocomposites for Packaging Applications, Bionanocomposites for Packaging Applications, 179-189, 2018.
55. K Mayandi, S Karthikeyan, N Rajini, AB Alavudeen, Morphological Examination of Worn out Surfaces of Basalt Fiber-PEI Composites with Varying Loading Conditions, Synthesis and Tribological Applications of Hybrid Materials, 215-226, 2018.
56. MP Indira Devi, N Nallamuthu, N Rajini, A Varada Rajulu, N Hariram , Tensile, thermal, and antibacterial characterization of composites of cellulose/modified Pennisetum purpureum natural fibers with in situ generated copper nanoparticles, International Journal of Polymer Analysis and Characterization 23 (6), 502-508, 2018.
57. C Bennet, N Rajini, JT Jappes, S Siengchin, Effect of Curing Temperature on Mechanical Properties of Sansevieria Cylindrica Polyester Composites, Advanced Science, Engineering and Medicine 10 (3-4), 416-41, 2018.
58. DS Vincent, P Pitchipoo, N Rajini, S Rajakarunakaran, Reduction of blind spots in heavy transport vehicles through the optimisation of driver seat design, International Journal of Computer Aided Engineering and Technology 10 (1-2) , 3-14, 2018.
59. L Muthulakshmi, N Rajini, H Nellaiah, T Kathiresan, M Jawaid, AV Rajulu, Preparation and properties of cellulose nanocomposite films with in situ generated copper nanoparticles using Terminalia catappa leaf extract, International journal of biological macromolecules 95, 1064-1071, 2017.
60. P Sivaranjana, ER Nagarajan, N Rajini, M Jawaid, AV Rajulu, Cellulose nanocomposite films with in situ generated silver nanoparticles using Cassia alata leaf extract as a reducing agent, International journal of biological macromolecules 99, 223-232, 2017.
61. KO Reddy, CU Maheswari, MS Dhlamini, BM Mothudi, J Zhang, J Zhang , N Rajini, Preparation and characterization of regenerated cellulose films using borassus fruit fibers and an ionic liquid, Carbohydrate polymers 160, 203-211, 2017
62. TP Sathishkumar, J Naveen, P Navaneethakrishnan, S Satheeshkumar , N Rajini, Characterization of sisal/cotton fibre woven mat reinforced polymer hybrid composites. Journal of Industrial Textiles 47 (4), 429-452, 2017
63. TSM Kumar, N Rajini, H Tian, AV Rajulu, JT Winowlin Jappes , Development and analysis of biodegradable poly (propylene carbonate)/tamarind nut powder composite

films, *International Journal of Polymer Analysis and Characterization* 22 (5), 415-423, 2017.

64. JTWJKK S. Kalirasu, N. Rajini, S. Rajesh, AWJM Performance of jute/polyester composite using MOORA and analytical models, *Materials and Manufacturing Processes*, 1 -10, 2017 .
65. L Muthulakshmi, N Rajini, AV Rajalu, S Siengchin, T Kathiresan, Synthesis and characterization of cellulose/silver nanocomposites from bioflocculant reducing agent, *International journal of biological macromolecules* 103, 1113-1120, 2017.
66. S Karthikeyan, Nagarajan Rajini, M Jawaaid, JT Winowlin Jappes, MTH Thariq, Suchart Siengchin, Jacob Sukumaran, A review on tribological properties of natural fiber based sustainable hybrid composite, *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, 231, 12, 1616-1634, 2017
67. N Rajini, JT Winowlin Jappes, I Siva, A Varada Rajulu, S Rajakarunakaran, Fire and thermal resistance properties of chemically treated ligno-cellulosic coconut fabric–reinforced polymer eco-nanocomposites, *Journal of Industrial Textiles*, 47, 104-124, 2017.
68. L Muthulakshmi, H Nellaiah, T Kathiresan, N Rajini, F Christopher, Identification and production of bioflocculants by *Enterobacter* sp. and *Bacillus* sp. and their characterization studies, *Preparative Biochemistry and Biotechnology* 47 (5), 458-467, 2017.
69. S Rajesh, M Pethuraj, S Thirumalai Kumaran, M Uthayakumar, N Rajini. Some studies on drilling of red mud reinforced aluminum composite, *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications* 231 (4), 382-393.2017.
70. Purusothaman Mekkandi, Manivannan Jayamani, Balakiruthiha Sekarbabu, Jeya Prakash Kadambarajan, Rajini Nagarajan, MTH Sultan, Rajesh Shanmugavel, Machinability performance of Al–NiTi and Al–NiTi–nano SiC composites with parametric optimization using GSA, *Journal of the Australian Ceramic Society* 53 (2), 599-609, 2017.
71. KS Kumar, I Siva, N Rajini, JTW Jappes, SC Amico, Layering pattern effects on vibrational behavior of coconut sheath/banana fiber hybrid composites, *Materials & Design* 90, 795-803, 2016.
72. M Rajesh, J Pitchaimani, N Rajini, Free vibration characteristics of banana/sisal natural fibers reinforced hybrid polymer composite beam, *Procedia Engineering* 144, 1055-1059, 2016.



73. V Sadanand, N Rajini, AV Rajulu, B Satyanarayana, Preparation of cellulose composites with in situ generated copper nanoparticles using leaf extract and their properties, Carbohydrate polymers 150, 32-39, 2016.
74. V Sadanand, N Rajini, B Satyanarayana, AV Rajulu, Preparation and properties of cellulose/silver nanoparticle composites with in situ-generated silver nanoparticles using Ocimum sanctum leaf extract. International Journal of Polymer Analysis and Characterization 21 (5), 408-416, 2016.
75. K Mayandi, N Rajini, P Pitchipoo, JTW Jappes, AV Rajulu, Extraction and characterization of new natural lignocellulosic fiber Cyperus pangorei, International Journal of Polymer Analysis and Characterization 21 (2), 175-183. 2016.
76. AVR L. Muthulakshmi, N. Rajini, H. Nellaiah, T. Kathiresan, M. Jawaidd, Experimental Investigation of Cellulose/Silver Nanocomposites Using In Situ Generation Method. Journal of Polymers and the Environment, 1-12, 2016.
77. M Rajesh, P Jeyaraj, N Rajini, Mechanical, dynamic mechanical and vibration behavior of nanoclay dispersed natural fiber hybrid intra-ply woven fabric composite, Nanoclay reinforced polymer composites, 281-296, 2016.
78. JS KarthikeyanSubramanian, RajiniNagarajan, PatrickDeBaets, Eco-friendly mono-layered PTFE blended polymer composites for dry sliding tribo-systems, Tribology International 102, 569-579, 2016.
79. ME Sahayaraj, JTW Jappes, I Siva, N Rajini, Investigation on corrosion performance of multilayer Ni-P/TiO<sub>2</sub> composite coating on steel, Science and Engineering of Composite Materials 23 (3), 309-314, 2016.
80. A Alavudeen, N Rajini, S Karthikeyan, M Thiruchitrambalam, Mechanical properties of banana/kenaf fiber-reinforced hybrid polyester composites: Effect of woven fabric and random orientation, Journal of Material Design 66, 246-257, 2015.
81. VS Sreenivasan, N Rajini, A Alavudeen, V Arumugaprabu, Dynamic mechanical and thermo-gravimetric analysis of Sansevieria cylindrica/polyester composite: Effect of fiber length, fiber loading and chemical treatment, Composites Part B: Engineering 69, 76-86, 2015.
82. S Kalirasu, N Rajini, JT Winowlin Jappes, M Uthayakumar, S Rajesh. Mechanical and machining performance of glass and coconut sheath fibre polyester composites using AWJM. Journal of Reinforced Plastics and Composites 34 (7), 564-580, 2015.
83. K Mayandi, N Rajini, P Pitchipoo, VS Sreenivasan, JTW Jappes, A comparative study on characterisations of Cissus quadrangularis and Phoenix reclinata natural fibres, Journal of Reinforced Plastics and Composites 34 (4), 269-280, 2015.
84. C Bennet, N Rajini, JTW Jappes, I Siva, VS Sreenivasan, SC Amico, Effect of the stacking sequence on vibrational behavior of Sansevieria cylindrica/coconut sheath polyester hybrid composites, Journal of Reinforced Plastics and Composites 34 (4), 293-306, 2015.

85. K Mayandi, N Rajini, P Pitchipoo, JTW Jappes, I Siva, Mechanical performance of Cissus quadrangularis/polyester composite, *Materials Today Communications* 4, 222-232, 2015.
86. K Subramanian, R Nagarajan, J Sukumaran, W Thangiah, P De Baets, Dry sliding wear properties of jute/polymer composites in high loading applications, *Synergy 2015 international Conference* 12, 7-18, 2015.
87. K Senthilkumar, I Siva, N Rajini, P Jeyaraj, Effect of fibre length and weight percentage on mechanical properties of short sisal/polyester composite, *International Journal of Computer Aided Engineering and Technology* 7 (1), 60-71, 2015.
88. S Kalirasu, N Rajini, N Bharath Sagar, D Mahesh Kumar, A Gomathi Sankar, Studies of abrasive water jet machining (AWJM) parameters on banana/polyester composites using robust design concept, *Applied Mechanics and Materials* 787, 573-577, 2015.
89. C Bennet, N Rajini, I Siva, JTW Jappes, SC Amico, Effect of curing temperature and layering pattern on performance studies: a novel hybrid composite, *Journal of Polymer Engineering* 35 (2), 127-134, 2015.
90. KS Kumar, I Siva, P Jeyaraj, JTW Jappes, SC Amico, N Rajini, Synergy of fiber length and content on free vibration and damping behavior of natural fiber reinforced polyester composite beams , *Materials & Design* 56, 379-386, 2014.
91. M Uthayakumar, V Manikandan, N Rajini, P Jeyaraj, Influence of redmud on the mechanical, damping and chemical resistance properties of banana/polyester hybrid composites, *Materials & Design* 64, 270-279, 2014.
92. P Pitchipoo, DS Vincent, N Rajini, S Rajakarunakaran, COPRAS decision model to optimize blind spot in heavy vehicles: A comparative perspective, *Procedia Engineering* 97, 1049-1059, 2014.
93. KS Kumar, I Siva, N Rajini, P Jeyaraj, JTW Jappes, Tensile, impact, and vibration properties of coconut sheath/sisal hybrid composites: Effect of stacking sequence, *Journal of Reinforced Plastics and Composites* 33 (19), 1802-1812, 2014.
94. N Rajini, JT Winowlin Jappes, B Suresha, S Rajakarunakaran, I Siva, N Azhagesan, Effect of organically modified montmorillonite clay on wear behavior of naturally woven coconut sheath/polyester composite. *Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology*, vol 228,5 , 483-497, 2014.