

References

1. Lu N and Oza S. A comparative study of the mechanical properties of hemp fibre with virgin and recycled high density polyethylene matrix. *Compos Part B Eng* 2013; 45, 1: 1651–1656.
2. Norul Izani MA, Paridah MT, Anwar UMK, Mohd Nor MY and H'ng PS. Effects of fibre treatment on morphology, tensile and thermogravimetric analysis of oil palm empty fruit bunches fibres. *Compos Part B Eng* 2013; 45 1: 1251–1257.
3. Karahan M and Karahan N. Investigation of the tensile properties of natural and natural/synthetic hybrid fibre woven fabric composites. *Journal of Reinforced Plastics and Composites* 2015; 34(10): 795–806.
4. Ali A, Shaker K, Nawab Y, Ashraf M, Basit A, Shahid S and Umair M. Impact of hydrophobic treatment of jute on moisture regain and mechanical properties of composite material. *J. Reinf. Plast. Compos.* 2015; 34: 2059-2068.
5. Karahan M, Özkan F and Yıldırım K, Karahan N. Investigation of the Properties of Natural Fiber Woven Fabrics as a Reinforcement Materials for Green Composites. *Fibres and Textiles in Eastern Europe* 2016; 24, 4(118): 8-13.
6. Gindl-Altmutter W, Keckes J, Plackner J, Liebner F, Englund K and Laborie M-P. All-cellulose composites from flax and lyocell fibres compared to epoxy-matrix composites. *Composites Science and Technology* 2012; 72, 11: 1304-1309.
7. Bachtiar D, Sapuan SM and Hamdan MM. The effect of alkaline treatment on tensile properties of sugar palm fibre reinforced epoxy composites. *Materials and Design* 2008; 29, 9: 1285-1290.
8. Shaker K, Ashraf M, Jabbar M, et al. Bioactive woven flax- based composites: Development and characterisation. *J. Ind. Text* 2015. <http://doi.org/10.1177/1528083715591579> (online)
9. Bachtiar D, Sapuan SM, Hamdan MM. The effect of alkaline treatment on tensile properties of sugar palm fibre reinforced epoxy composites. *Materials Design*, 29 (2008), pp. 1285-1290.
10. Kalia S, Kaith B S, and Kaur I. Pretreatments of natural fibres and their application as reinforcing material in polymer composites-a review. *Polymer Engineering and Science* 2009; 49: 1253–1272. <http://doi.org/10.1002/pen.21328>
11. Kalia S, Thakur K, Celli A, Kiechel M A and Schauer C L. Surface modification of plant fibres using environment friendly methods for their application in polymer composites, textile industry and antimicrobial activities: A review. *Journal of Environmental Chemical Engineering* 2013; 1: 97–112. <http://doi.org/10.1016/j.jece.2013.04.009>
12. Mwaikambo LY, Martuscelli E, Avella M. Kapok/cotton fabric – polypropylene composites. *Polymer Testing* 2000; 19: 905–918.

13. Mwaikambo L Y, and Bisanda E T N. Performance of cotton-kapok fabric-polyester composites. *Polymer Testing* 1999; 18: 181–198. [http://doi.org/10.1016/S0142-9418\(98\)00017-8](http://doi.org/10.1016/S0142-9418(98)00017-8)
14. Sever K, Sarikanat M, Seki Y, Erkan G, Erdoğan UH, Erden S. Surface treatments of jute fabric: The influence of surface characteristics on jute fabrics and mechanical properties of jute/polyester composites. *Industrial Crops and Products* 2012; 35: 22-30.
15. Weyenberg V, Truong TC, Vangrimde B, Verpoest I. Improving the properties of UD flax fibre reinforced composites by applying an alkaline fibre treatment; Compos A. *Appl.Sci. Manuf.* 2006; 37: 1368-1376.
16. Rong MZ, Zhang MQ, Liu Y, Yang GC, Zeng HM. The effect of fibre treatment on the mechanical properties of an directional sisal reinforced epoxy composites. *Compos.Sci.Tech.* 2001; 61: 1437-1447.
17. Mwaikambo LY, Ansell MP, Chemical modification of hemp, sisal jute and kapok fibres by alkalitization. *J.Appl.Polym. Sci.* 2002; 84(12): 2222-2234.
18. Rout J, Misra M, Tripathy SS, Nayak SK, Mohanty AK. The influence of fibre treatment on the performance of coir- polyester composites compos. *Sci.Tech.* 2001; 61: 1303-10.
19. Weyenberg IV, Truong TC, vangrimde B, Verpoest I. Improving the properties of UD flax fibre reinforced composites by applying an alkaline fibre treatment. *Compos A: Appl Sci Manuf.* 2006; 37: 1368-76.
20. Liu W, Mohanty AK, Askeland P, Drzal LT and Misra M. Effects of alkali treatment on the structure, morphology and thermal properties of native grass fibres as reinforcements for polymer matrix composites. *J Mater Sci.* 2004; 39: 1051-4.
21. Jones DS. Dynamic mechanical analysis of polymeric systems of pharmaceutical and biomedical significance. *International journal of pharmaceutics* 1999; 179: 167-178.
22. Sharifah H A and Ansell MP. The effect of alkalization and fibre alignment on the mechanical and thermal properties of kenaf and hemp bast fibre composites: Part 1- polyester resin matrix. *Composites Sci. and Tech.* 2004; 64: 1219-1230.
23. Yu T, Ren J, Li S, Yuan H and Li Y. Effect of fibre surface-treatments on the properties of poly (lactic acid) ramine composites. *Composites. Part A* 2010; 41: 499-505.
24. CaO Y, Shibata S and Fukumoto I. Mechanical properties of biodegradable composites reinforced with bagasse fibre before and after alkali treatments. *Comp. Part A* 2006; 37: 423-429.
25. Gassan J and Bledzki AK., Possibilities for improving the mechanical properties of Jute/epoxy composites by alkali treatment of fibres. *Comp. Sci. tech.* 59 (1999), 1303-1309.
26. Masud SH, Lawrence TD, Amar KM and Manjusri M. Effect of surface - treatments on the properties of laminated biocomposites from poly(lactic-acid) (PLA) and kinaf fibres. *Compos. Sci. Technol.* 2008; 68: 424-432.

- 27.Ray D, Sarkar BK, Das S and Rana AK. Dynamic mechanical and thermal analysis of vinylester-resin-matrix composites reinforced with untreated and alkali-treated jute fibres. *Comp. Sci. Tech.* 2002; 62: 911-917.
- 28.Ghosh P, Bose NR, Mitra BC and Das S. Dynamic mechanical analysis of FRP compositesbased on different fibre reinforcements and epoxy resin as the matrix material. *J. Appl. Polym Sci.* 1997; 62: 2467-72.
- 29.Jabbar A, Militky J, Wiener J and Karahan M. Static and dynamic mechanical properties of novel treated jute/green epoxy composites *Text Res. J.* 2016 86(9): 960-974., DOI: 10.1177/0040517515596936.
- 30.Mukherjee A, Ganguly PK and Sur D. Structural mechanics of jute: the effects of hemicellulose or lignin removal. *J Text Inst.* 1993; 84: 348-353.
31. Wang YS, Koo WM and Kim HD. Preparation and properties of new regenerated cellulose fibres. *Text Res. J.* 2003; 73: 998-1004.