References

1. Aji IS, Sapuan SM, Zainudin ES, Abdan K. Kenaf Fibres as Reinforcement for Polymeric Composites: A Review. *Int. J. Mech. Mater. Eng*. 2009; 4, 3: 239–248.
2. Arib RMN, Sapuan SM, Ahmad MMHM, Paridah MT, Zaman HMDK. Mechanical properties of pineapple leaf fibre reinforced polypropylene composites. *Mater. Des.* 2006; 27, 5: 391–396.
3. Aji I, Zainudin E, Abdan K, Sapuan S, Khairul M. Mechanical properties and water absorption behavior of hybridized kenaf/pineapple leaf fibre-reinforced high-density polyethylene composite. *J. Compos. Mater*. 2012; 47, 8: 979–990.
4. Begum K, Islam MA. Natural Fiber as a substitute to Synthetic Fiber in Polymer Composites: A Review. *Res. J. Eng. Sci.* 2013; 2, 3: 46–53.
5. Taj S, Munawar MA, Khan S. Natural Fiber-Reinforced Polymer Composites. *Pakistan Academy Science* 2007; 44, 2: 129–144.
6. Azwa ZN, Yousif BF, Manalo AC, Karunasena W. A review on the degradability of polymeric composites based on natural fibres. *Mater. Des*. 2013; 47: 424–442.
7. Abdul Khalil HPS, Bhat H, Ireana Yusra F. Green composites from sustainable cellulose nanofibrils: A review. *Carbohydr. Polym*. 2012; 87, 2: 963–979.
8. Nguong CW, Lee SNB, Sujan D. A Review on Natural Fibre Reinforced Polymer Composites. *World Academy of Science, Engineering and Technology* 2013; 73: 1123–1130.
9. Joshi S, Drzal L, Mohanty A, Arora S. Are natural fiber composites environmentally superior to glass fiber reinforced composites? *Compos. Part A Appl. Sci. Manuf*. 2004; 35, 3: 371–376.
10. Ishak MR, Sapuan SM, Leman Z, Rahman MZ, Anwar UMK, Siregar JP. Sugar palm (Arenga pinnata): Its fibres, polymers and composites. *Carbohydr. Polym*2013; 91, 2: 699–710.
11. Yusriah L, Sapuan SM, Zainudin ES, Mariatti M. Exploring the Potential of Betel Nut Husk Fiber as Reinforcement in Polymer Composites: Effect of Fiber Maturity. *Procedia Chem*. 2012; 4: 87–94.
12. Jawaid M, Abdul Khalil HPS. Cellulosic/synthetic fibre reinforced polymer hybrid composites: A review. *Carbohydr. Polym*. 2011; 86, 1: 1–18.
13. Kalia S, Kaith BS, Kaur I. *Cellulosic Fibers: Bio- and Nano-Polymer Composites.* Ed. Springer, New York, 2011.
14. Tori Hudson ND. A Research Review on the use of Hibiscus Sabdariffa, Better Medicine - National Network of Holistic Practitioner Communities, 2011.
15. Mungole A, Chaturvedi A, Hibiscus Sabdariffa L. Rich Source of Secondary Metabolisme. *Int. J. Pharm. Sci. Rev. Res*. 2011; 6, 1: 83–87.
16. Mohamad O, Mohd Nazir B, Abdul Rahman M, Herman S. Roselle: A new crop in Malaysia. *Buletin Persatuan Genetik Malaysia* 2002; 37, 1: 12–13.
17. Mahadevan N, Kamboj P. Hibiscus sabdariffa Linn. – An overview. *Nat. Prod. Radiance* 2009; 8, 1: 77–83.
18. Grace F. *Investigation the suitability of Hibiscus Sabdariffa calyx extract as colouring agent for paediatric syrups*. Ed. Department of Pharmaceutics, Kwame Nkrumah University of Science And Technology, 2008.
19. Wilson W. Discover the many uses of the Roselle plant. NParks, 2009. http://mygreenspace.nparks.gov.sg/discover-the-many-uses-of-the-roselle-plant/.
20. Selim KA, Khalil KE, Abdel-Bary MS, Abdel-Azeim NA. *Extraction, Encapsulation and Utilization of Red Pigments from Roselle (Hibiscus sabdariffa L.) as Natural Food Colourants*, 1993.
21. Managooli VA. *Dyeing Mesta (Hibiscus sabdariffa) Fibre with Natural Colourant*. Ed. Department of Textiles and Apparel Designing College of Rural Home Science, Dharwad University Of Agricultural Sciences, Dharwad, 2009.
22. Das Gupta PC. The Hemicelluloses of Roselle Fiber (Hibiscus sabdariffa). *Text. Res. J.* 1959; 30, 3: 237.
23. Wester P. Roselle: Its Culture and Uses. *U.S. Dep. Agric*. No. October, pp. 1–16, 1907; http://naldc.nal.usda.gov/download/ORC00000105/PDF

24. Junkasem J, Menges J, Supaphol P. Mechanical Properties of Injection-Molded Isotactic Polypropylene / Roselle Fiber Composites. *J. Appl. Polym. Sci*. 2006; 101: 3291–3300.
25. Singha AS, Thakur VK. Fabrication and Study of Lignocellulosic Hibiscus Sabdariffa Fiber Reinforced Polymer Composites. *Bioresources* 2008; 3, 4: 1173–1186.
26. Ramu P, Sakthivel GVR. Preparation and Characterization of Roselle Fibre Polymer Reinforced Composites. *Int. Sci. Res. Journals*, 2013.
27. Thiruchitrambalam M, Athijayamani A, Sathiyamurthy S. A Review on the Natural Fiber- Reinforced Polymer Composites for the Development of Roselle Fiber-Reinforced Polyester Composite. *J. Nat. Fibers* 2010; 7: 307–323.
28. Chauhan A, Kaith B. Versatile Roselle Graft-Copolymers: XRD Studies and Their Mechanical Evaluation After Use as Reinforcement in Composites. *J. th Chil. Chem. Soc*. 2012; 3: 1262–1266.
29. Morton JF. *Roselle in Fruits of warm climates*. 1987, pp. 281–286.
30. Chandramohan D, Marimuthu K. Characterization of natural fibers and their application in bone grafting substitutes. *Acta Bioeng. Biomech*. 2011; 13, 1: 77–84.
31. Athijayamani A, Thiruchitrambalam M, Natarajan U, Pazhanivel B. Effect of moisture absorption on the mechanical properties of randomly oriented natural fibers/polyester hybrid composite. *Mater. Sci. Eng. A*. 2009; 517, 1–2: 344–353; doi:10.1016/j.msea.2009.04.027.
32. Julian CC. Roselle-A Potentially Important Plant Fiber. *Econ. Bot*. 1949; 3, 1: 89–103.
33. Mahjoub R, Yatim JM, Mohd Sam AR, Hashemi SH. Tensile properties of kenaf fiber due to various conditions of chemical fiber surface modifications. *Constr. Build. Mater*. 2014; 55: 103–113.
34. Mohanty AK, Misra M, Drzal LT. *Natural Fibers, Biopolymers, and Biocomposites*. Ed. CRC Press, 2005.
35. De Rosa IM, Kenny JM, Puglia D, Santulli C, Sarasini F. Morphological , thermal and mechanical characterization of okra (Abelmoschus esculentus) fibres as potential reinforcement in polymer composites. *Compos. Sci. Technol*. 2010; 70, 1: 116–122.
36. Bodros E, Baley C. Study of the tensile properties of stinging nettle fibres (Urtica dioica). *Mater. Lett.* 2008; 62, 14: 2147–2149.
37. Ishak MR, Sapuan SM, Leman Z, Rahman MZA, Anwar UMK. Characterization of sugar palm (Arenga pinnata) fibres. *J. Therm. Anal. Calorim*. 2011, 109, 2: 981–989.
38. Ishak MR, Leman Z, Salit MS, Rahman MZA, Anwar UMK, Akhtar R. IFSS, TG, FT-IR spectra of impregnated sugar palm (Arenga pinnata) fibres and mechanical properties of their composites. *J. Therm. Anal. Calorim*. 2013; 111, 2: 1375–1383.
39. Razali N, Salit MS, Jawaid M, Ishak MR, Lazim Y. A Study on Chemical Composition, Physical, Tensile, Morphological, and Thermal Properties of Roselle Fibre: Effect of Fibre Maturity. *Bioresources* 2015; 10: 1803–1823.
40. Yusriah L, Sapuan SM, Zainudin ES, Mariatti M. Characterization of physical, mechanical, thermal and morphological properties of agro-waste betel nut (Areca catechu) husk fibre. *J. Clean. Prod.* 2014; 72: 174–180.
41. Aziz SH, 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. *Compos. Sci. Technol*. 2004; 64, 9: 1219–1230.
42. Rowell RM, Han JS, Rowell JS. Characterization and Factors Effecting Fiber Properties. In: Frollini E, Leão AL, Mattoso LHC. (Eds.) *Natural Polymers and Agrofibers Composites*, 2000. pp. 115-134; http://www.fpl.fs.fed.us/documnts/pdf2000/rowel00b.pdf
43. Li X, Tabil LG, Panigrahi S. Chemical Treatments of Natural Fiber for Use in Natural Fiber-Reinforced Composites: A Review. *J. Polym. Environ*. 2007; 15, 1: 25–33.
44. Yang H, Yan R, Chen H, Lee DH, Zheng C. Characteristics of hemicellulose, cellulose and lignin pyrolysis. *Fuel* 2007; 86, 12–13: 1781–1788.
45. Fidelis EMA, Pereira TVC, da Gomes OFM, de Silva FA, Filho RDT. Original article The effect of fiber morphology on the tensile strength of natural fibers. *J. Mater. Res. Technol.* 2013; 2, 2: 149–157.

46. Barkoula NM, Alcock B, Cabrera NO, Peijs T. Effect of Various Water Immersions on Mechanical Properties of Roselle Fiber–Vinyl Ester Composites. *Polym. Compos.* 2014: 1–9.
47. Chandramohan D, Marimuthu K. Tensile and Hardness Tests on Natural Fiber Reinforced Polymer Composite Material. *Int. J. Adv. Eng. Sci. Technol*. 2011; 6, 1: 97–104.
48. Singha AS, Thakur VK. Mechanical properties of natural fibre reinforced polymer composites. *Bull. Mater. Sci*. 2008; 31, 5: 791–799.
49. Bharanichandar J. Natural Fiber Reinforced Polymer Composites for Automobile Accessories. *Am. J. Environ. Sci*. 2013; 9, 6: 494–504.
50. Abdul Khalil HPS, Suraya NL. Anhydride Modification of Cultivated Kenaf Bast Fibers: morphological, Spectroscopic, and Thermal Studies. *Bioresources* 2011; 6, 2: 1122–1135.
51. Pandey SN, Day A, Mathew MD. Thermal Analysis of Chemically Treated Jute Fibers. *Text. Res. J*. 1993; 63, 3: 143–150.
52. Martin AR, Martins MA, da Silva ORRF, Mattoso LHC. Studies on the thermal properties of sisal fiber and its constituents. *Thermochim. Acta.* 2010; 506, 1–2: 14–19.
53. Akil HM, Omar MF, Mazuki AAM, Safiee S, Ishak ZAM, Abu Bakar A. Kenaf fiber reinforced composites: A review. *Mater. Des*. 2011; 32, 8–9: 4107–4121.
54. Clemons CM. Functional Fillers for plastics; Second, and enlarges edition. Weinheim: Wiley-VCH Verlag GmbH & Co. KGaA, 2010.
55. Xia ZP, Yu JY, Cheng LD, Liu LF, Wang WM. Study on the breaking strength of jute fibres using modified Weibull distribution. *Compos. Part A Appl. Sci. Manuf*. 2009; 40, 1: 54–59.
56. Jonoobi M, Harun J, Shakeri A, Misra M, Oksman K. Chemical Composition, Crystallinity, and Thermal Degradation of Bleached and Unbleached Kenaf Bast (Hibiscus cannabinus) Pulp and Nanofibers. *Bioresources* 2009; 4, 2: 626–639.
57. Wang W, Cai Z, Yu J. Study on the Chemical Modification Process of Jute Fiber. *J. Eng. Fiber. Fabr*. 2008; 3, 2: 1–11.
58. Sathishkumar T, Navaneethakrishnan P, Shankar S, Rajasekar R, Rajini N. Characterization of natural fiber and composites - A review. *J. Reinf. Plast. Compos.* 2013; 32, 19: 1457–1476.