



## 參考文獻

1. Zhang, F., Endo, T., Qiu, W., Yang, L., and Hirotsu, T. (2002) Preparation and mechanical properties of composite of fibrous cellulose and maleated polyethylene. *Journal of applied polymer science.* 84(11): 1971-1980.
2. Jindal, U. C. (1986) Development and testing of bamboo-fibres reinforced plastic composites. *Journal of Composite Materials.* 20(1): 19-29.
3. Khalil, H. A., Bhat, I. U. H., Jawaid, M., Zaidon, A., Hermawan, D., and Hadi, Y. S. (2012) Bamboo fibre reinforced biocomposites: A review. *Materials and Design.* 42: 353-368.
4. Zhang, Y.C., Wu, H.Y., and Qiu, Y.P. (2010) Morphology and properties of hybrid composites based on polypropylene/polylactic acid blend and bamboo fiber. *Bioresource Technology.* 101(20): 7944-7950.
5. Monteiro, S. N., Lopes, F. P. D., Barbosa, A. P., Bevitori, A. B., Da Silva, I. L. A., and Da Costa, L. L. (2011) Natural lignocellulosic fibers as engineering materials—an overview. *Metallurgical and Materials Transactions A.* 42(10): 2963.
6. Song, W., Zhao, F., Yu, X., Wang, C., Wei, W., and Zhang, S. (2015) Interfacial characterization and optimal preparation of novel bamboo plastic composite engineering materials. *BioResources.* 10(3): 5049-5070.
7. Zhang, K., Wang, F., Liang, W., Wang, Z., Duan, Z., and Yang, B. (2018) Thermal and mechanical properties of bamboo fiber reinforced epoxy composites. *Polymers.* 10(6): 608.
8. Bari, E., Morrell, J. J., Sistani, A., Firoozbehi, F., Haghdoost, Y., Najafian, M., and Ghorbani, A. (2019) Assessment of physical and mechanical properties of bamboo-plastic composites. *Polymer Composites.* 40(7): 2834-2839.
9. Krishnan, G. S., and Velmurugan, P. (2019) Investigation on the characteristics of bamboo/jute reinforced hybrid epoxy polymer composites. *Materials Research Express.* 6(10): 105346.
10. Huang, J. K., and Young, W. B. (2019) The mechanical, hygral, and interfacial strength of continuous bamboo fiber reinforced epoxy composites. *Composites Part B: Engineering.* 166: 272-283.
11. Manalo, A. C., Wani, E., Zukarnain, N. A., Karunasena, W., and Lau, K. T. (2015) Effects of alkali treatment and elevated temperature on the mechanical properties of bamboo fibre-polyester composites. *Composites Part B: Engineering.* 80: 73-83.
12. Jain, S., Kumar, R., and Jindal, U. C. (1992) Mechanical behaviour of bamboo and bamboo composite. *Journal of Materials Science.* 27(17): 4598-4604.
13. Das, M., Pal, A., and Chakraborty, D. (2006) Effects of mercerization of bamboo strips on mechanical properties of unidirectional bamboo-novolac composites. *Journal of applied polymer science.* 100(1): 238-244.
14. Ray, D., Sarkar, B. K., Rana, A. K., and Bose, N. R. (2001) The mechanical properties of vinylester resin matrix composites reinforced with alkali-treated jute fibres. *Composites Part A: applied science and manufacturing.* 32(1): 119-127.
15. Kushwaha, P. K., and Kumar, R. (2009a) Studies on water absorption of bamboo-polyester composites: effect of silane treatment of mercerized bamboo. *Polymer-Plastics Technology and Engineering.* 49(1): 45-52.
16. Fuentes, C. A., Brughmans, G., Tran, L. Q. N., Dupont-Gillain, C., Verpoest, I., and Van Vuure, A. W. (2015) Mechanical behaviour and practical adhesion at a bamboo composite interface: Physical adhesion and mechanical interlocking. *Composites Science and Technology.* 109: 40-47.
17. Fu, S. Y., Lauke, B., Mäder, E., Hu, X., and Yue, C. Y. (1999) Fracture resistance of short-glass-fiber-reinforced and short-carbon-fiber-reinforced polypropylene under Charpy impact load and its dependence on processing. *Journal of Materials Processing Technology.* 89: 501-507.
18. Silva, R. V., Spinelli, D., Bose Filho, W. W., Neto, S. C., Chierice, G. O., and Tarpani, J. R. (2006) Fracture toughness of natural fibers/castor oil polyurethane composites. *Composites science and technology.* 66(10): 1328-1335.
19. Venkatachalam, N., Navaneethakrishnan, P., Rajsekhar, R., and Shankar, S. (2016) Effect of pretreatment methods on properties of natural fiber composites: a review. *Polymers and Polymer*



- Composites. 24(7): 555-566.
20. Wang, F., Lu, M., Zhou, S., Lu, Z., and Ran, S. (2019) Effect of Fiber Surface Modification on the Interfacial Adhesion and Thermo-Mechanical Performance of Unidirectional Epoxy-Based Composites Reinforced with Bamboo Fibers. *Molecules*. 24(15): 2682.
  21. Desaege, M., and Verpoest, I. (1993) On the use of the micro-indentation test technique to measure the interfacial shear strength of fibre-reinforced polymer composites. *Composites science and technology*. 48(1-4): 215-226.
  22. Pisanova, E., Zhendarov, S., and Mäder, E. (2001) How can adhesion be determined from micromechanical tests?. *Composites Part A: Applied Science and Manufacturing*. 32(3-4): 425-434.
  23. Venkata Subba Reddy, E., Varada Rajulu, A., Hemachandra Reddy, K., and Ramachandra Reddy, G. (2010) Chemical resistance and tensile properties of glass and bamboo fibers reinforced polyester hybrid composites. *Journal of Reinforced Plastics and Composites*. 29(14): 2119-2123.
  24. Chen, H., Miao, M., and Ding, X. (2009) Influence of moisture absorption on the interfacial strength of bamboo/vinyl ester composites. *Composites Part A: Applied Science and Manufacturing*. 40(12): 2013-2019.
  25. Kushwaha, P. K., and Kumar, R. (2009b) Enhanced mechanical strength of BFRP composite using modified bamboos. *Journal of reinforced plastics and composites*. 28(23): 2851-2859.
  26. Gupta, A. (2016) Synthesis, chemical resistance, and water absorption of bamboo fiber reinforced epoxy composites. *Polymer Composites*. 37(1): 141-145.
  27. George, J., Sreekala, M. S., and Thomas, S. (2001) A review on interface modification and characterization of natural fiber reinforced plastic composites. *Polymer Engineering and Science*. 41(9): 1471-1485.
  28. Siregar, J. P., Sapuan, S. M., Rahman, M. Z. A., and Zaman, H. M. D. K. (2010) The effect of alkali treatment on the mechanical properties of short pineapple leaf fibre (PALF) reinforced high impact polystyrene (HIPS) composites. *Journal of Food, Agriculture and Environment*. 8(2): 1103-1108.
  29. Panyasart, K., Chaiyut, N., Amornsakchai, T., and Santawitee, O. (2014) Effect of surface treatment on the properties of pineapple leaf fibers reinforced polyamide 6 composites. *Energy procedia*. 56: 406-413.
  30. Paglicawan, M. A., Kim, B. S., Basilia, B. A., Emolaga, C. S., Marasigan, D. D., and Maglalang, P. E. C. (2014) Plasma-treated abaca fabric/unsaturated polyester composite fabricated by vacuum-assisted resin transfer molding. *International Journal of Precision Engineering and Manufacturing-Green Technology*. 1(3): 241-246.
  31. Asim, M., Jawaid, M., Abdan, K., and Ishak, M. R. (2016) Effect of alkali and silane treatments on mechanical and fibre-matrix bond strength of kenaf and pineapple leaf fibres. *Journal of Bionic Engineering*. 13(3): 426-435.
  32. Hamdan, M. H. M., Siregar, J. P., Bachtiar, D., Rejab, M. R. M., Samykano, M., Agung, E. H., ... and Jaafar, J. (2017, October) Effect of alkaline treatment on mechanical properties of woven rame reinforced thermoset composite. In IOP conference series: Materials science and engineering (Vol. 257: No. 1, p. 012044). IOP Publishing.
  33. Jaafar, J., Siregar, J. P., Piah, M. B. M., Cionita, T., Adnan, S., and Rihayat, T. (2018) Influence of selected treatment on tensile properties of short pineapple leaf fiber reinforced tapioca resin biopolymer composites. *Journal of Polymers and the Environment*. 26(11): 4271-4281.
  34. Mohanty, A. K., Misra, M., and Drzal, L. T. (2001) Surface modifications of natural fibers and performance of the resulting biocomposites: an overview. *Composite interfaces*. 8(5): 313-343.
  35. Lu, T., Jiang, M., Jiang, Z., Hui, D., Wang, Z., and Zhou, Z. (2013) Effect of surface modification of bamboo cellulose fibers on mechanical properties of cellulose/epoxy composites. *Composites Part B: Engineering*. 51: 28-34.
  36. Costa, M. M., Melo, S. L., Santos, J. V. M., Araújo, E. A., Cunha, G. P., Deus, E. P., and Schmitt, N. (2017) Influence of physical and chemical treatments on the mechanical properties of bamboo fibers. *Procedia engineering*. 200: 457-464.
  37. Jähn, A., Schröder, M. W., Fütting, M., Schenzel,



- K., and Diepenbrock, W. (2002) Characterization of alkali treated flax fibres by means of FT Raman spectroscopy and environmental scanning electron microscopy. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*. 58(10): 2271-2279.
38. Jaafar, J., Siregar, J. P., Salleh, S. M., Hamdan, M. H. M., Cionita, T., and Rihayat, T. (2019) Important considerations in manufacturing of natural fiber composites: a review. *International Journal of Precision Engineering and Manufacturing-Green Technology*. 1-18.
39. Ma, L., He, H., Jiang, C., Zhou, L., Luo, Y., and Jia, D. (2012) Effect of alkali treatment on structure and mechanical properties of acrylonitrile-butadiene-styrene/bamboo fiber composites. *Journal of Macromolecular Science, Part B*. 51(11): 2232-2244.
40. Mishra, S., Mohanty, A. K., Drzal, L. T., Misra, M., Parija, S., Nayak, S. K., and Tripathy, S. S. (2003) Studies on mechanical performance of biofibre/glass reinforced polyester hybrid composites. *Composites Science and Technology*. 63(10): 1377-1385.
41. Das, M., and Chakraborty, D. (2006) Influence of alkali treatment on the fine structure and morphology of bamboo fibers. *Journal of Applied Polymer Science*. 102(5): 5050-5056.
42. George, J., Bhagawan, S. S., and Thomas, S. (1996) Thermogravimetric and dynamic mechanical thermal analysis of pineapple fibre reinforced polyethylene composites. *Journal of Thermal Analysis and Calorimetry*. 47(4): 1121-1140.
43. Threepopnatkul, P., Kaerkitcha, N., and Athipongarporn, N. (2009) Effect of surface treatment on performance of pineapple leaf fiber-polycarbonate composites. *Composites Part B: Engineering*. 40(7): 628-632.
44. Yu, T., Ren, J., Li, S., Yuan, H., and Li, Y. (2010) Effect of fiber surface-treatments on the properties of poly (lactic acid)/ramie composites. *Composites Part A: Applied Science and Manufacturing*. 41(4): 499-505.
45. Ahmad, I., Mosadeghzad, Z., Daik, R., and Ramli, A. (2008) The effect of alkali treatment and filler size on the properties of sawdust/UPR composites based on recycled PET wastes. *Journal of Applied Polymer Science*. 109(6): 3651-3658.
46. Chou, T. N., and Young, W. B. (2018) Strength of Untreated and Alkali-treated Bamboo Fibers and Reinforcing Effects for Short Fiber Composites. *Journal of Aeronautics, Astronautics and Aviation*. 50(3): 237-245.
47. Li, X., Tabil, L. G., and Panigrahi, S. (2007) Chemical treatments of natural fiber for use in natural fiber-reinforced composites: a review. *Journal of Polymers and the Environment*. 15(1): 25-33.
48. Hill, C. A., Khalil, H. A., and Hale, M. D. (1998) A study of the potential of acetylation to improve the properties of plant fibres. *Industrial Crops and Products*. 8(1): 53-63.
49. Paul, A., Joseph, K., and Thomas, S. (1997) Effect of surface treatments on the electrical properties of low-density polyethylene composites reinforced with short sisal fibers. *Composites Science and Technology*. 57(1): 67-79.
50. Rong, M. Z., Zhang, M. Q., Liu, Y., Yang, G. C., and Zeng, H. M. (2001) The effect of fiber treatment on the mechanical properties of unidirectional sisal-reinforced epoxy composites. *Composites Science and technology*. 61(10): 1437-1447.
51. Sreekala, M. S., and Thomas, S. (2003) Effect of fibre surface modification on water-sorption characteristics of oil palm fibres. *Composites Science and Technology*. 63(6): 861-869.
52. Nair, K. M., Thomas, S., and Groeninckx, G. (2001) Thermal and dynamic mechanical analysis of polystyrene composites reinforced with short sisal fibres. *Composites Science and Technology*. 61(16): 2519-2529.
53. Phuong, N. T., Sollogoub, C., and Guinault, A. (2010) Relationship between fiber chemical treatment and properties of recycled pp/bamboo fiber composites. *Journal of Reinforced Plastics and Composites*. 29(21): 3244-3256.
54. Jhu, Y. S., Hung, K. C., Xu, J. W., and Wu, J. H. (2019) Effects of acetylation on the thermal decomposition kinetics of makino bamboo fibers. *Wood Science and Technology*. 1-15.
55. Hung, K. C., and Wu, J. H. (2010) Mechanical and interfacial properties of plastic composite panels made from esterified bamboo particles.



- Journal of wood science. 56(3): 216-221.
56. Chen, H., Miao, M., and Ding, X. (2011) Chemical treatments of bamboo to modify its moisture absorption and adhesion to vinyl ester resin in humid environment. *Journal of composite materials*, 45(14): 1533-1542.
  57. Sreekumar, P. A., Saiah, R., Saiter, J. M., Leblanc, N., Joseph, K., Unnikrishnan, G., and Thomas, S. (2008) Effect of chemical treatment on dynamic mechanical properties of sisal fiber-reinforced polyester composites fabricated by resin transfer molding. *Composite Interfaces*. 15(2-3): 263-279.
  58. Wang, B., Panigrahi, S., Tabil, L., and Crerar, W. (2007) Pre-treatment of flax fibers for use in rotationally molded biocomposites. *Journal of reinforced plastics and composites*. 26(5): 447-463.
  59. Swain, P. T. R., and Biswas, S. (2018) A comparative analysis of physico-mechanical, water absorption, and morphological behaviour of surface modified woven jute fiber composites. *Polymer Composites*. 39(8): 2952-2960.
  60. Kushwaha, P. K., and Kumar, R. (2010) Studies on performance of acrylonitrile-pretreated bamboo-reinforced thermosetting resin composites. *Journal of Reinforced Plastics and Composites*. 29(9): 1347-1352.
  61. Kaushik, V. K., Kumar, A., and Kalia, S. (2012) Effect of mercerization and benzoyl peroxide treatment on morphology, thermal stability and crystallinity of sisal fibers. *International Journal of Textile Science*. 1(6): 101-105.
  62. Sreekala, M. S., Kumaran, M. G., Joseph, S., Jacob, M., and Thomas, S. (2000) Oil palm fibre reinforced phenol formaldehyde composites: influence of fibre surface modifications on the mechanical performance. *Applied Composite Materials*. 7(5-6): 295-329.
  63. Agrawal, R., Saxena, N. S., Sharma, K. B., Thomas, S., and Sreekala, M. S. (2000) Activation energy and crystallization kinetics of untreated and treated oil palm fibre reinforced phenol formaldehyde composites. *Materials Science and Engineering: A*. 277(1-2): 77-82.
  64. Van de Weyenberg, I., Ivens, J., De Coster, A., Kino, B., Baetens, E., and Verpoest, I. (2003) Influence of processing and chemical treatment of flax fibres on their composites. *Composites Science and Technology*. 63(9): 1241-1246.
  65. Mittal, K. L. (2007) Silanes and other coupling agents (Vol. 4). CRC Press.
  66. Ayrilmis, N., and Ashori, A. (2015) Alternative solutions for reinforcement of thermoplastic composites. *Natural Fiber Composites*, Campilho RDG, Eds., CRC press Taylor, Boca Raton, 65-88.
  67. Faruk, O., Bledzki, A. K., Fink, H. P., and Sain, M. (2012) Biocomposites reinforced with natural fibers: 2000-2010. *Progress in polymer science*. 37(11): 1552-1596.
  68. Schneider, M. H., and Brebner, K. I. (1985) Wood-polymer combinations: The chemical modification of wood by alkoxy silane coupling agents. *Wood Science and Technology*. 19(1): 67-73.
  69. Ismail, H., and Khalil, H. A. (2000) The effects of partial replacement of oil palm wood flour by silica and silane coupling agent on properties of natural rubber compounds. *Polymer Testing*. 20(1): 33-41.
  70. Khalil, H. A., and Ismail, H. (2000) Effect of acetylation and coupling agent treatments upon biological degradation of plant fibre reinforced polyester composites. *Polymer Testing*. 20(1): 65-75.
  71. Wang, H., Sheng, K., Chen, J., Mao, H., and Qian, X. (2010) Mechanical and thermal properties of sodium silicate treated moso bamboo particles reinforced PVC composites. *Science China Technological Sciences*. 53(11): 2932-2935.
  72. Kim, H., Okubo, K., Fujii, T., and Takemura, K. (2013) Influence of fiber extraction and surface modification on mechanical properties of green composites with bamboo fiber. *Journal of Adhesion Science and Technology*. 27(12): 1348-1358.
  73. Tung, N. H., Yamamoto, H., Matsuoka, T., and Fujii, T. (2004) Effect of surface treatment on interfacial strength between bamboo fiber and PP resin. *JSME International Journal Series A Solid Mechanics and Material Engineering*. 47(4): 561-565.
  74. George, J., Bhagawan, S. S., and Thomas, S. (1997) Improved interactions in chemically modified pineapple leaf fiber reinforced polyethylene



- composites. *Composite Interfaces.* 5(3): 201-223.
75. George, J., Janardhan, R., Anand, J. S., Bhagawan, S. S., and Thomas, S. (1996) Melt rheological behaviour of short pineapple fibre reinforced low density polyethylene composites. *Polymer.* 37(24): 5421-5431.
76. Joly, C., Gauthier, R., and Escoubes, M. (1996) Partial masking of cellulosic fiber hydrophilicity for composite applications. Water sorption by chemically modified fibers. *Journal of Applied Polymer Science.* 61(1): 57-69.
77. Ni, J., and Frazier, C. E. (1998) 15N CP/MAS NMR study of the isocyanate/wood adhesive bondline. Effects of structural isomerism. *The Journal of Adhesion.* 66(1-4): 89-116.
78. Guo, C., Li, L., and Wang, Q. (2012) Investigation on the compatibilizing effect of m-isopropenyl- $\alpha$ ,  $\alpha$ -dimethylbenzyl isocyanate grafted polypropylene on polypropylene and wood flour composites. *Wood science and technology.* 46(1-3): 257-270.
79. Karmarkar, A., Chauhan, S. S., Modak, J. M., and Chanda, M. (2007) Mechanical properties of wood-fiber reinforced polypropylene composites: Effect of a novel compatibilizer with isocyanate functional group. *Composites Part A: Applied Science and Manufacturing.* 38(2): 227-233.
80. Qiu, R., Ren, X., Fifield, L. S., Simmons, K. L., and Li, K. (2011) Hemp-fiber-reinforced unsaturated polyester composites: Optimization of processing and improvement of interfacial adhesion. *Journal of Applied Polymer Science.* 121(2): 862-868.
81. Cantero, G., Arbelaitz, A., Llano-Ponte, R., and Mondragon, I. (2003) Effects of fibre treatment on wettability and mechanical behaviour of flax/polypropylene composites. *Composites science and technology.* 63(9): 1247-1254.
82. Van de Velde, K., and Kiekens, P. (2003) Effect of material and process parameters on the mechanical properties of unidirectional and multidirectional flax/polypropylene composites. *Composite structures.* 62(3-4): 443-448.
83. Keener, T. J., Stuart, R. K., and Brown, T. K. (2004) Maleated coupling agents for natural fibre composites. *Composites Part A: applied science and manufacturing.* 35(3): 357-362.
84. Bledzki, A. K., Reihmane, S., and Gassan, J. (1996) Properties and modification methods for vegetable fibers for natural fiber composites. *Journal of applied polymer science.* 59(8): 1329-1336.
85. Q., and Matuana, L. M. (2003) Surface of cellulosic materials modified with functionalized polyethylene coupling agents. *Journal of Applied Polymer Science.* 88(2): 278-286.
86. Mishra, S., Naik, J. B., and Patil, Y. P. (2000) The compatibilising effect of maleic anhydride on swelling and mechanical properties of plant-fiber-reinforced novolac composites. *Composites Science and Technology.* 60(9): 1729-1735.
87. Zhou, X., Yu, Y., Lin, Q., and Chen, L. (2013) Effects of maleic anhydride-grafted polypropylene (MAPP) on the physico-mechanical properties and rheological behavior of bamboo powder-polypropylene foamed composites. *Bio-Resources.* 8(4): 6263-6279.
88. Thwe, M. M., and Liao, K. (2002) Effects of environmental aging on the mechanical properties of bamboo-glass fiber reinforced polymer matrix hybrid composites. *Composites Part A: Applied Science and Manufacturing.* 33(1): 43-52.
89. Yang, H. S., Wolcott, M. P., Kim, H. S., Kim, S., and Kim, H. J. (2007) Effect of different compatibilizing agents on the mechanical properties of lignocellulosic material filled polyethylene biocomposites. *Composite Structures.* 79(3): 369-375.
90. Lai, S. M., Yeh, F. C., Wang, Y., Chan, H. C., and Shen, H. F. (2003) Comparative study of maleated polyolefins as compatibilizers for polyethylene/wood flour composites. *Journal of Applied Polymer Science.* 87(3): 487-496.
91. Okubo, K., Fujii, T., and Yamamoto, Y. (2004) Development of bamboo-based polymer composites and their mechanical properties. *Composites Part A: Applied science and manufacturing.* 35(3): 377-383.
92. Chen, X., Guo, Q., and Mi, Y. (1998) Bamboo fiber-reinforced polypropylene composites: a study of the mechanical properties. *Journal of applied polymer science.* 69(10), 1891-1899.



93. Xu, Z., Wang, J., Shen, L., Men, D., and Xu, Y. (2002) Microporous polypropylene hollow fiber membrane: Part I. Surface modification by the graft polymerization of acrylic acid. *Journal of Membrane Science*. 196(2): 221-229.
94. Mishra, S., Misra, M., Tripathy, S. S., Nayak, S. K., and Mohanty, A. K. (2001) Graft copolymerization of acrylonitrile on chemically modified sisal fibers. *Macromolecular Materials and Engineering*. 286(2): 107-113.
95. Rout, J., Misra, M., and Mohanty, A. K. (1999) Surface modification of coir fibers I: Studies on graft copolymerization of methyl methacrylate on to chemically modified coir fibers. *Polymers for Advanced Technologies*. 10(6): 336-344.
96. Canche-Escamilla, G., Rodriguez-Laviada, J., Cauich-Cupul, J. I., Mendizabal, E., Puig, J. E., and Herrera-Franco, P. J. (2002) Flexural, impact and compressive properties of a rigid-thermoplastic matrix/cellulose fiber reinforced composites. *Composites Part A: Applied Science and Manufacturing*. 33(4): 539-549.
97. Kalaprasad, G., Mathew, G., Pavithran, C., and Thomas, S. (2003) Melt rheological behavior of intimately mixed short sisal-glass hybrid fiber-reinforced low-density polyethylene composites. I. Untreated fibers. *Journal of applied polymer science*. 89(2): 432-442.
98. Song, X., Jiang, Y., Rong, X., Wei, W., Wang, S., and Nie, S. (2016) Surface characterization and chemical analysis of bamboo substrates pre-treated by alkali hydrogen peroxide. *Bioresource technology*. 216: 1098-1101.
99. Xu, C., Shamey, R., and Hinks, D. (2010) Activated peroxide bleaching of regenerated bamboo fiber using a butyrolactam-based cationic bleach activator. *Cellulose*. 17(2): 339-347.
100. Pathania, D., and Singh, D. (2009) A review on electrical properties of fiber reinforced polymer composites. *International journal of theoretical and applied sciences*. 1(2): 34-37.
101. Muhammad, A., Rahman, M. R., Hamdan, S., and Sanaullah, K. (2019) Recent developments in bamboo fiber-based composites: A review. *Polymer bulletin*. 76(5): 2655-2682.
102. Dong, S., Sapieha, S., and Schreiber, H. P. (1992) Rheological properties of corona modified cellulose/polyethylene composites. *Polymer Engineering and Science*. 32(22): 1734-1739.
103. Xu, X., Wang, Y., Zhang, X., Jing, G., Yu, D., and Wang, S. (2006) Effects on surface properties of natural bamboo fibers treated with atmospheric pressure argon plasma. *Surface and Interface Analysis: An International Journal devoted to the development and application of techniques for the analysis of surfaces, interfaces and thin films*. 38(8): 1211-1217.
104. Liu, W., Chen, T., Xie, T., Lai, F., and Qiu, R. (2015) Oxygen plasma treatment of bamboo fibers (BF) and its effects on the static and dynamic mechanical properties of BF-unsaturated polyester composites. *Holzforschung*. 69(4): 449-455.
105. Luna, P., Lizarazo-Marriaga, J., and Mariño, A. (2016) Guadua angustifolia bamboo fibers as reinforcement of polymeric matrices: An exploratory study. *Construction and Building Materials*. 116: 93-97.
106. George, M., Mussone, P. G., Alemaskin, K., Chae, M., Wolodko, J., and Bressler, D. C. (2016) Enzymatically treated natural fibres as reinforcing agents for biocomposite material: mechanical, thermal, and moisture absorption characterization. *Journal of materials science*. 51(5): 2677-2686.
107. Bledzki, A. K., Mamun, A. A., Jaszkiewicz, A., and Erdmann, K. (2010) Polypropylene composites with enzyme modified abaca fibre. *Composites Science and Technology*. 70(5): 854-860.
108. George, M., Mussone, P. G., and Bressler, D. C. (2014) Surface and thermal characterization of natural fibres treated with enzymes. *Industrial Crops and Products*. 53: 365-373.
109. Lipp-Symonowicz, B., Tańska, B., Wołukanis, A., and Wrzosek, H. (2004) Influence of enzymatic treatment on the flax fibre morphological structure, physico-chemical properties and metrological parameters of yarn. *Fibres and Textiles in Eastern Europe*. 1 (45)): 61-65.
110. Liu, L., Cheng, L., Huang, L., and Yu, J. (2012) Enzymatic treatment of mechanochemical modified natural bamboo fibers. *Fibers and Polymers*. 13(5): 600-605.