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Conferences About Us Jobs Home > Journal > Earth & Environmental Sciences > NR Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues NR > Vol.3 No.1, March 2012 Special Issues Guideline OPEN ACCESS NR Subscription Reinforcement of Plastic Waste with Treated Natural Fibers PDF (Size: 1081KB) PP. 6-10 DOI: 10.4236/nr.2012.31002 Most popular papers in NR Author(s) About NR News Irene S. Fahim, Salah M. Elhaggar ABSTRACT Frequently Asked Questions Plastic wastes are a major environmental concern that needs to be dealt with to minimize the amount of municipal solid waste and depletion of natural resources thus enhancing the sustainability concept for Recommend to Peers future generations. The objective of this study is to enhance the properties of plastic products using plastic wastes reinforced with treated natural fibers such as rice straw as well as carbonized rice straw, using a Recommend to Library simple and efficient technology. **KEYWORDS** Contact Us Polymers-Matrix Composites (PMCs); Recycled Polymer; Natural Fibers; Fiber Reinforced Plastic Cite this paper Downloads: 62,819 I. Fahim and S. Elhaggar, "Reinforcement of Plastic Waste with Treated Natural Fibers," Natural Resources, Vol. 3 No. 1, 2012, pp. 6-10. doi: 10.4236/nr.2012.31002. Visits: 185,466 References R. Kikuchi, J. Kukacka and R. Raschmn, "Grouping of Mixed Waste Plastics According to Chlorine [1] Sponsors, Associates, ar Content, " Separation and Purification Technology, Vol. 61, No. 1, 2008, pp. 75-81. Links >> doi: 10.1016/j.seppur.2007.10.001 http://www.buzzle.com/articles/phosphoric-acid-uses.html [2] K. B. Adhikary, S. Pang and M. P. Staiger, " Dimensional Stability and Mechanical Behavior of Plastic [3] Composites Based on Recycled and Virgin LDPE," Composites: Part B, No. 39, 2008. K. Palmer, H. Sigman and M. Walls, "The Cost of reducing Municipal Solid Waste. Resources for the [4] Future," Washington DC, 2007. [5] http://cipet.gov.in/plastics_statics.html H. P. Ngoc, " Production of Fibrous Activated Carbons from Natural Cellulose for Water Treatment [6]