

Recovery of Polymers from Electronic Waste - An Analysis

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Abstract : From the last two-three decades, all countries are continuously generating huge quantities of electronic waste in the form of obsolete computers, gadgets and other discarded electronic instruments mainly due to evolution of newer technologies as a result of constant efforts in research and development in this area. This is the primary reason why waste from the electronic industry is increasing exponentially day by day. Thermoset and thermoplastic polymers, which are the major constituents in every electronic waste, may create a new business opportunity if these are recovered and recycled properly. This may reduce our directly dependency on petroleum and petro-products for polymer materials and also create a potential market for recycled polymers to improve economy. The main theme of this paper is to evolve the potential of recovery and recycling of polymers from the waste being generated globally in the form of discarded electronic products.

Keywords : polymer recovery, electronic waste, petroleum, thermoplastics

Conference Title : ICERME 2016 : International Conference on Electronics, Robotics and Mechatronics Engineering

Conference Location : London, United Kingdom

Conference Dates : June 23-24, 2016