

神奇纖維塑膠 Miracle Bioplastics from Cellulose Waste

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作品簡介 Project Introduction

由於處理木材時會產生大量木糠，但木糠十分難處理，大量木糠在較乾燥的環境經常會自然燃燒，作者成功研究出把木糠變成塑膠的方法，此塑膠能自然分解，對保護環境十分有用。一能減低火災的風險、二能善用廢棄物、三能保護環境，可謂一舉三得。

The Miracle Bioplastics from Cellulose Waste is a revolutionary type of bioplastic material which is made from cellulose waste extracted from withered leaves and sawdust. The plastic is biodegradable making it extremely environmentally friendly and it is also a good use of unwanted sawdust which is also a fire hazard when accumulated in nature.



主要獎項 Major Awards

- 獲國際天文學聯會把編號 23165 小行星命名為「陳嘉鍵星」(2007)
International Astronomical Union named the minor planet 23165 as “Chan Ka Kin” (2007)
- 第 58 屆英特爾國際科學與工程大獎賽 (2007) --- 環境管理學項目一等獎及最優秀項目獎
The 58th Intel International Science and Engineering Fair (2007) --- First Place Award in the category of Environmental Management and the Best of Category (Environmental Management)
- 第 21 屆全國青少年科技創新大賽(2006) --- 科技創新發明一等獎
The 21st China Adolescent Science and Technology Innovation Contest (2006) --- First Place Award in the category of Science and Technology Invention