# 優秀創新科技及科研作品



# **Outstanding Science & Technology Innovation Project**

環保魔珠 – 珠"金"暗結 Algination :Novel way to treat with metal sewage

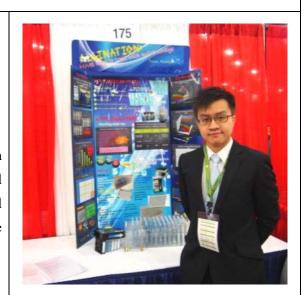
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### 作品簡介 Project Introduction

「環保魔珠-珠"金"暗結」以海藻酸鈉珠與金屬離子螯合的原理,取代傳統處理工業廢水的方法,比起同類發明價格便宜 95%,具更高的成本效益和更符合可持續發展原則。

Taking the advantage of chelation between metal ions and sodium alginate, the project "Algination: a versatile way to environmental protection" has demonstrated a brand new methodology in the industrial sewage treatment, which is more cost-effective and sustainable compared with the current industrial treatment.



### 主要獎項 Major Awards

- 第7屆國際可持續發展項目奧林匹克競賽(2014) 優異獎 Honorable Mention in 7<sup>th</sup> International Sustainable World Energy Engineering Environment Project Olympiad
- 第 13 屆「明天小小科學家」獎勵活動(2013) 「明天小小科學家」稱號 The award of the title of "Future Scientist"(Champion) of the 13<sup>th</sup> Awarding Program for Future Scientist
- 第 25 屆丹麥國家科學比賽 冠軍 Champion in the 25<sup>th</sup> National Danish Science Fair
- 香港中學數碼化學短片製作比賽 亞軍 First Runner-up in "Digichem" Video Production Competition for Hong Kong Secondary Schools
- 香港青少年科技創新大賽 2012-2013 能源及環境科學項目優異獎 Hong Kong Youth Science & Technology Innovation Competition 2012-2013 - Merit Award in Energy and Environmental Science