

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 7th 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 13th Awarding Program for Future Scientist
- 第 25 屆丹麥國家科學比賽 – 冠軍
Champion in the 25th 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