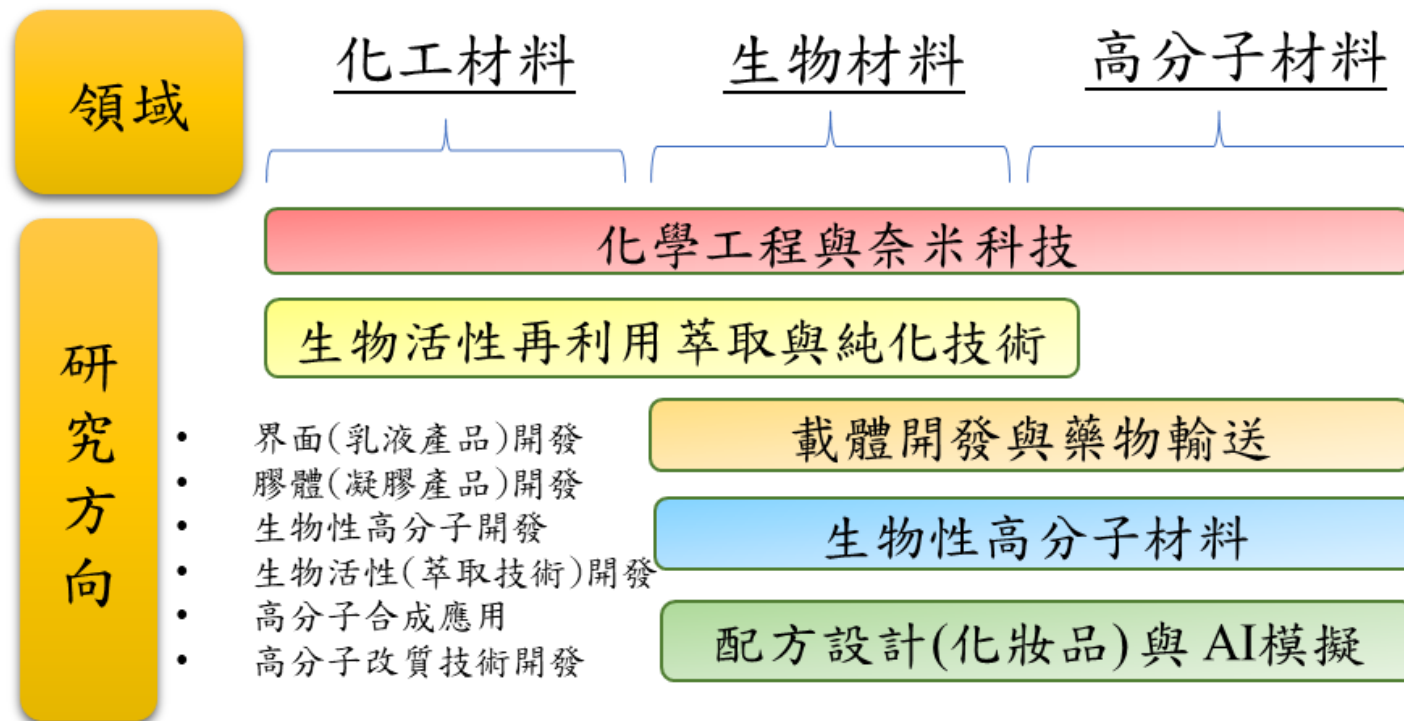


## ➤ 個人簡介



**謝宜廷** Hsieh, I-Ting 化工博士

### ◆ 研究領域：

膠體界面科學、藻類活性萃取與純化技術、化妝品載體製備設計與功效性評估、藥物輸送與生物技術開發應用。

### ◆ 學歷背景：

國立成功大學 化學工程系(博士)

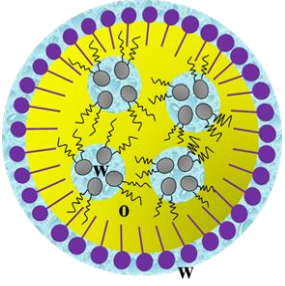
國立雲林科技大學 化學工程與材料工程系 (碩士)

國立高雄應用科技大學 化學工程與材料工程系 (學士)

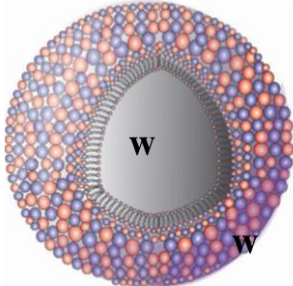
# 研究工作

## ◆ Develop and research of nanocarriers

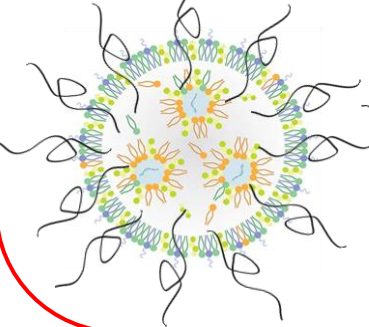
w/o/w nanoemulsion



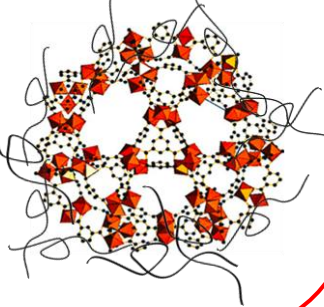
Catanionic liposome



Bi-Lipids nanoparticle



Bi-Metal organic frameworks



### Physicochemical analysis

Particle size

Viscosity and Rheometer

Polydispersity index

TEM and Sem

Zeta potential

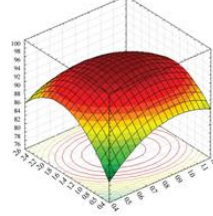
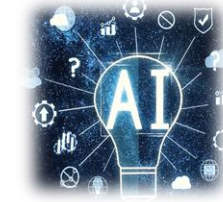
Differential scanning calorimetry

Stable days

Fluorescence polarization

Encapsulation efficiency

AI and RSM model analysis



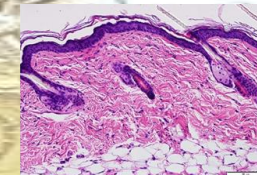
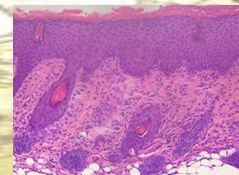
Optimize carrier formula

Functional research analysis

**Human body external functional application**  
Anti-inflammatory  
Antioxidant  
Anti-UV  
Anti-bacterial  
Anti-wrinkle  
Whitening



**Clinical efficacy analysis**  
Treat skin inflammation  
Hair growth effect  
Digestive tract absorption efficiency



## ◆ Extraction and purification bioactive ingredients analysis

**Microalgae :** Chlorella, haematococcus pluvialis, spirulina, etc.



**Macroalgae :** Sargassum, Kelp, Ulva, Red algae, etc.



**Bioactive ingredients:**  
Phenols, polysaccharide, peptide and lutein, etc

## ◆ Product

Pharmaceuticals



Cosmetics



Health food

