

# High-Performance Biocatalytic Membranes Fabrication & Their Environmental Application

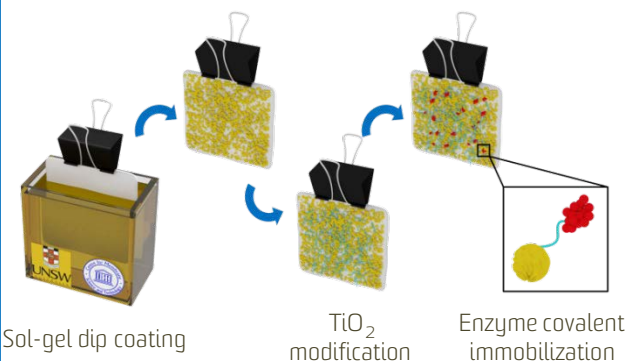
## What we do

Developing innovative nanostructured coating and functionalization technologies to fabricate nanocomposite biocatalytic membranes to solve challenging environmental problems including micro-pollutants elimination and CO<sub>2</sub> separation and conversion.

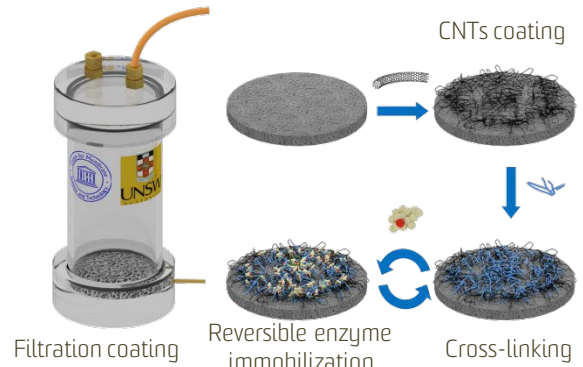


## Biocatalytic membranes fabrication

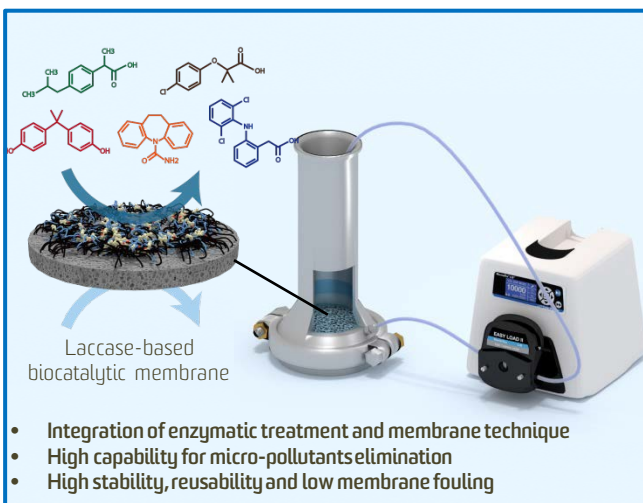
### 1. TiO<sub>2</sub> sol-gel dip coating technology



### 2. CNTs filtration cross-linking technology



## Micro-pollutants elimination



## CO<sub>2</sub> separation and conversion

