

# International Cooperation Award 2025

**FENC × Cabios × Salomon  
(Taiwan × France)**

**Biological Recycling  
of PET/polyester**

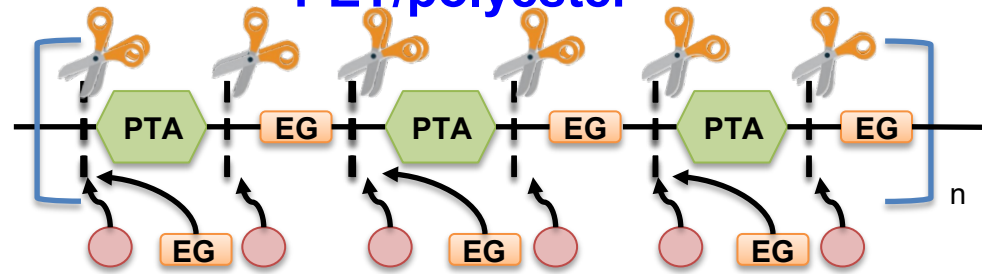
**By Fanny Liao, Ph.D.**

**Executive Vice President of RD & BD  
Far Eastern New Century Corp.**



# Chemical/**Biological** Recycling of Polyester: Depolymerization to make monomers

PET/polyester



Base/Acid/**Enzyme**



Glycolysis

Methanol

**Enzymatic Recycling:**

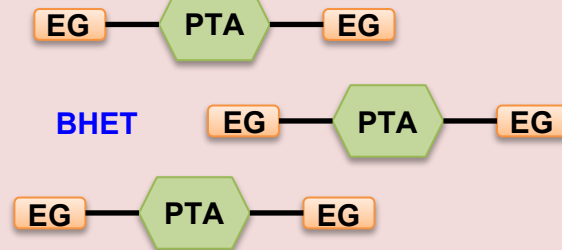
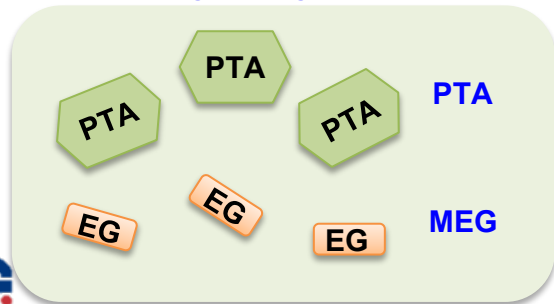
**Pros:**

High selectivity  
Water-based, no chemical  
Mild reaction condition

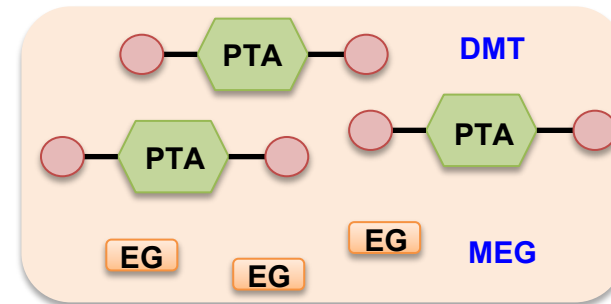
**Cons:**

Longer reaction time

Hydrolysis

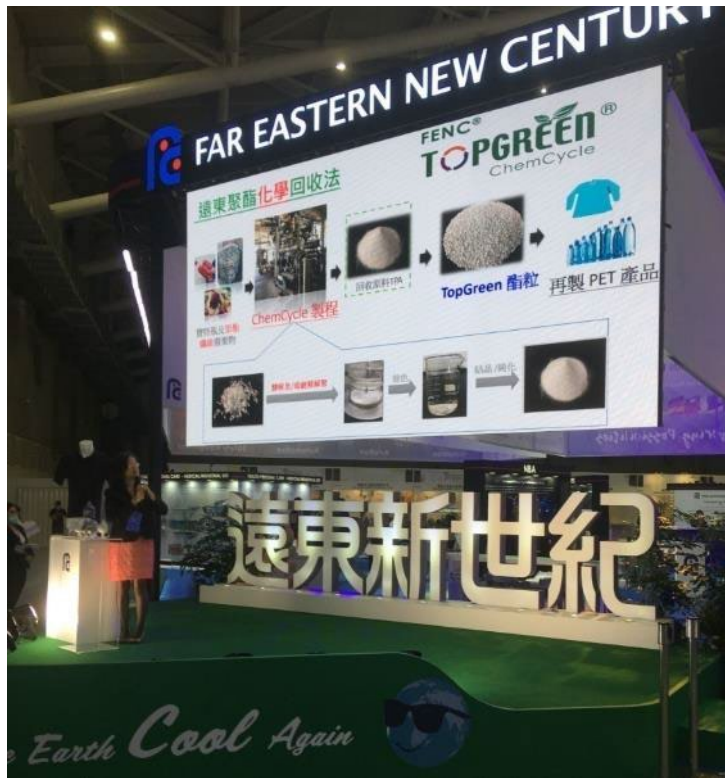


Methanolysis



# The World 1<sup>st</sup> PET Chemical Recycling: Fabric to Fabric T-shirt

The announcement in TITAS, 2020 as TopGreen® ChemCycle Product



ChemCycle video link : <https://youtu.be/dCYazYLLL9k>



# CARBIOS & FENC collaborates to make the world first batch of T-shirts via enzymatic recycling of PET



April 17, 2025





# CARBIOS, FENC & SALOMON collaborate in *enzymatic recycling* of PET for world first rPET shoe uppers

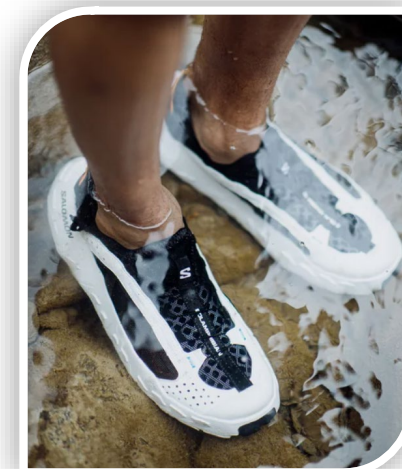
Fashion Week in Paris  
Jan. 22-26, 2025



# Chemical recycling of PET bottles to rTPEE midsole for Salomon's world first commercial launch of Solamphibian shoes



SALOMON  
COLLECTION  
OUTDOOR  
PRINTEMPS/ÉTÉ  
2025



15.03.2025 | Mode

<https://www.cyclonesmag.fr/article/salomon-collection-outdoor-printemps-ete-2025>

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