

# Glu-X



Chula  
Chulalongkorn University



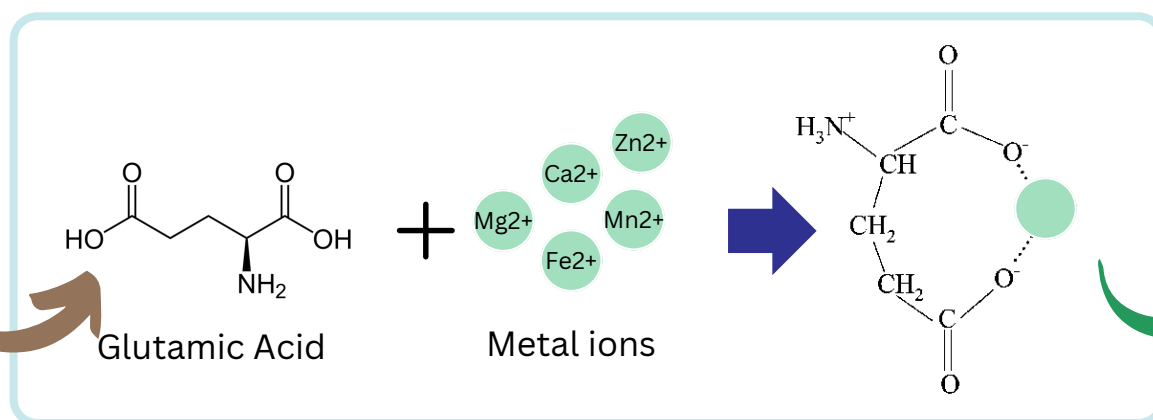
## Glutamate-chelated liquid fertilizer



Waste from  
Food Processing  
in Food Industry



### Chelation Reaction



Amino acids for protein formation and plant tolerance



Enhance essential metal ions as micronutrients uptake



Circular Chemistry for sustainable farming



Improve plant immune system at the cellular level

**Gluta-X** is the **foliar fertilizer with essential micronutrients for plants**, which is upcycled from the by-product from the food industry with chelation process to form molecular bonding between amino acids, fundamental building blocks of protein, such as glutamic acid, within the by-product with metal ions that are essential for plant's growth.

The product is easy to use by spraying the solution onto the leaves or buds of the targeted plants to **enhance the plants' cells**, and **facilitate strong growth** of the targeted plants sustainably.

