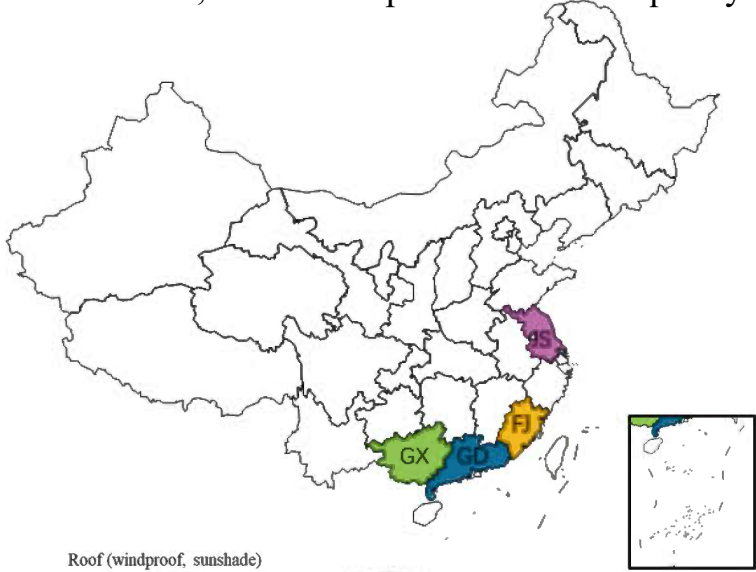
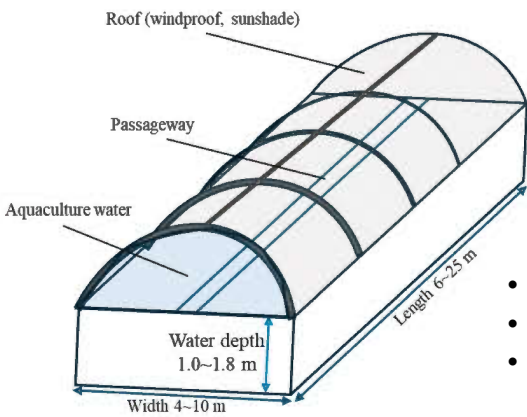


# Microbiome Characterization of Greenhouse Shrimp Farming Systems (GSFM) in China

Regional Variations, Antibiotic Resistance Gene Distribution, and Functional Divergence in Nitrogen Metabolism, Relationship between water quality and shrimp growth.



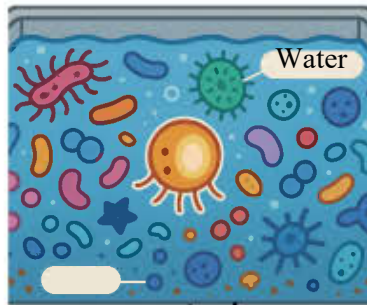
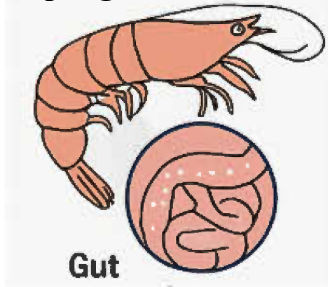
GSFM Origin——Rudong, Jiangsu



Schematic diagram of GSFM

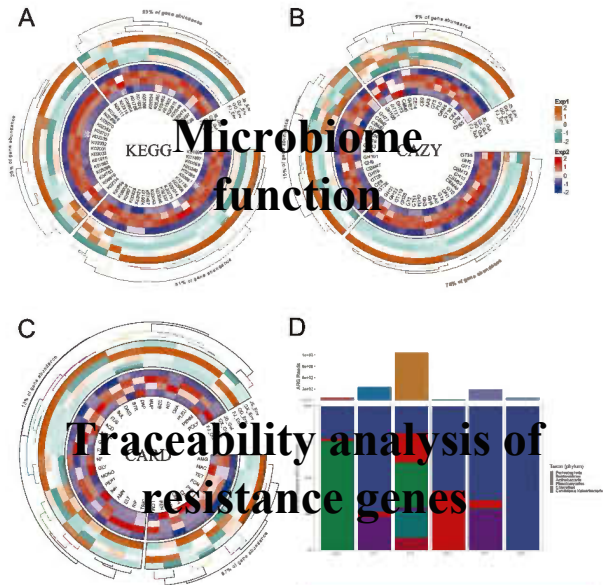
- Weatherproof
- Heat preservation
- Oxygenation...

Sampling

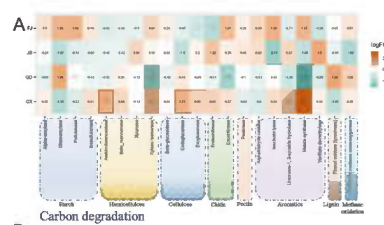
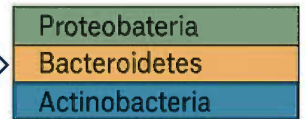


Metagenome sequencing

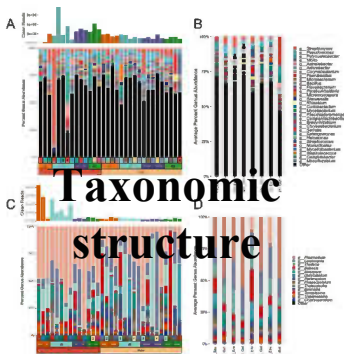
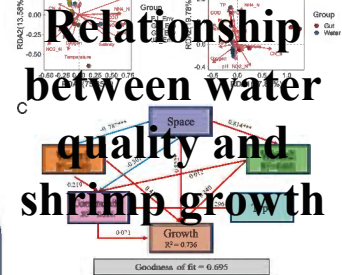
Water quality testing



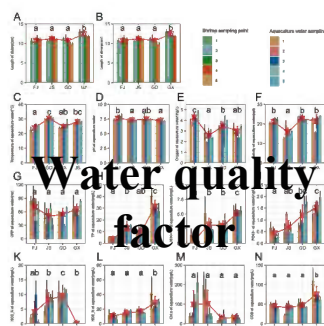
Primary hosts of resistance genes



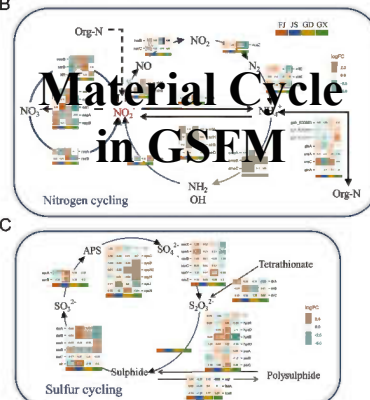
Relationship between water quality and shrimp growth



Taxonomic structure



Water quality factor



Material Cycle in GSFM

First comprehensive characterization of the GSFM microbiome in China.