

Project 3

Oyster Food Safety and Quality

From our previous two projects, we will be in a position to project potential impacts of multiple stressors, especially ocean acidification, on oyster species with aquaculture importance. However, oyster aquaculture industries and indigenous growers are particularly worried and concerned about

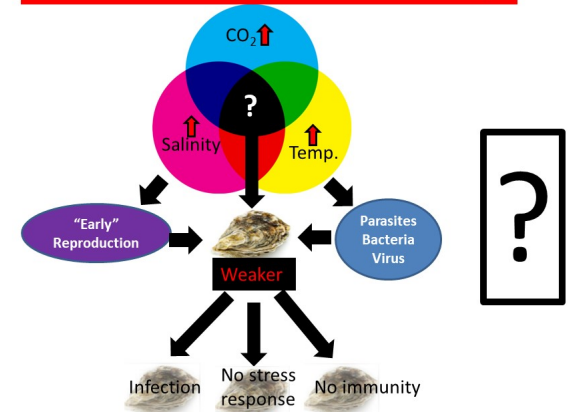
1) increasing winter mass mortality of estuarine Hong Kong oyster species at the time of harvest, and 2) poor oyster meat notional quality, in future coastal oceans with those novel multiple stressors. Therefore, in close collaboration with oyster aquaculture industries, we are interested to know how multiple stressors affect oyster “tasty” and “healthful” production of “meat and sauce” with high-quality proteins, unique antioxidants, nutrients and Omega-3 fatty acids. Again with growers, we are also interested to understand and find a solution for the devastating “winter mass mortality”

issue.

Research projects related to knowledge exchange and impact to local industry are one our main goals for next few years

Who is causing winter mass mortality and poor meat quality?

Unusual Late-winter in South China due to climate change



Winter Mass Mortality of HK Oysters and Poor Oyster Meat Quality