

Microbial ecology

in hydrocarbon-contaminated coastal environments

by Prof. Robert Duran

from Université de Pau et des Pays de l'Adour, France

Monday, October 2, 2017, 3:00-4:00 pm

Monobe campus (Kochi Uni), Room 5-1

Cancelled in case of typhoon

Abstract While the aerobic and anaerobic biodegradation of hydrocarbons is well documented, little is known about degradation within the transitional zone from oxic to anoxic conditions in marine environments. The results showed

- i) that the oxic/anoxic oscillations influenced microbial assemblages
- ii) and that the hydrocarbon degradation was favoured by oxygenation after a period of anoxia.
- iii) Also, the functional redundancy of microbial communities was indicated in the degradation.

These results would be advantageous for bioremediation strategy in marine coastal environments.

He will talk about the petroleum degradation by microbes. Also, he will introduce his researches other than petroleum degradation, and will introduce research activities on chemistry and energy and a collection of aquatic resources in his university. Everyone is welcome! (農林海洋学部 Maki Teramoto, 088-880-2240, ext. 32413)。

Monobe campus map

