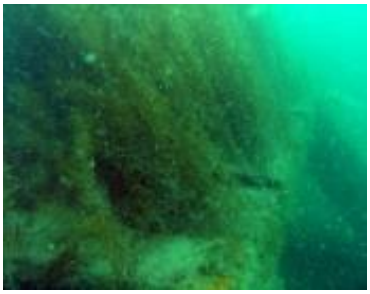
Department of Engineering and Design
Yoshihiro SUENAGA, Professor, Dr., Eng.

Key Words : Artificial Reef, Wave Energy, FBA, Environmental Improvement

Research Themes

1. Development of Artificial Reef with Tidal Current Control Function

Conducting the joint project to develop the artificial fishing reef which can control the tidal current that is a natural energy. Trying to stop the decrease in marine resources and work on a study to regain the high fisheries productivity.



2. Wave Energy Absorption System Using Oscillating Water Columns

Based on the principle of the period of the pendulum, I develop the device which converts vibrational energy into air energy, and absorbs wave energy. Work on the study of new disaster prevention facilities to apply this device to the shore and coastal structures.

3. Utilization of the fish waste and environmental improvement

Generating the nutritional supplement and newly material FBA from fishery wastes disposed in large quantities in an aquaculture. And development newly technology to improve polluted environment.

Prize of Research

The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology,

Prizes for Science and Technology (Technology Category 2007)

Prizes for Science and Technology (Development Category 2017)

Prizes for Science and Technology (Public Understanding Promotion Category 2019)

Ocean Service Award (PACON International 2014)

E-mail : suenaga.yoshihiro@kagawa-u.ac.jp