



UNIVERSITY OF MIYAZAKI

Interdisciplinary Graduate School of  
Agriculture and Engineering

Research Unit for “Research and Practice of  
Natural Disaster Mitigation”

This research unit develops beneficial methods or ideas to mitigate the damages caused by a large scale natural disaster on our daily life including agricultural and industrial activities. Researchers from agriculture, engineering and social science are participating in this research unit, and their research outputs contribute to our sustainable lives on rural, urban and coastal areas. The unit also cooperates with local governments and people to utilize their wisdom and experience for researches.

Research Topic and Practice

- (1) Diagnosis of health performance of civil and industrial infrastructures
- (2) Disaster mitigation for storm surge, tsunami and flood with using the method of hydraulic experiments, numerical simulations and field survey
- (3) Stability assessment and countermeasures for earth structures under heavy rain and earthquakes
- (4) Numerical estimation of vulnerable area against tsunami and storm surge
- (5) Safety evacuation under earthquake, tsunami and flood
- (6) Reduction of damage due to debris flow and sediment discharge
- (7) Hydrological environmental change at the foot of the mountain by sedimentation of volcanic ejecta

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