

Contents

Relationship between extraction of factors that hinder initiative evacuation and changes in risk awareness in the process of developing a participatory hazard map for sediment disaster	1
Naoki MEYAMA, Yuho TAKAGI, Kenichi HAYASHI, Akira SAMUKAWA, Katsunori NAGAOKA	
Characteristics of landslides due to the 2019 typhoon No.19 in Marumori town, Miyagi pref.	5
Takahito KUROKI, Takahisa FURUICHI, Kiyoshi SAIJO, Yoshiyuki MURAYAMA, Arihito KONDO	
Examination of complex disaster potential using geographic information system and debris flow simulation in Yamaguchi Prefecture	9
Nozomu ONAKA, Yoshihisa AKAMATSU, Yui SUGITA	
Inundation due to heavy rain in Saga 2019: overlooking from SAR satellite images	13
Hajime SHIROZU, Koji ASAI	
The questionnaire survey about damages and evacuation behavior caused by the heavy rain event of July 2018 in Mabi,Kurashiki City	17
Naoki KANEMITSU, Haruhiko YAMAMOTO, Yuka WATANABE, Kyoko SAKAMOTO, Kiyoshi IWAYA	
Characteristics of flood disaster in Saga Prefecture by autumn rain front in August 2019	21
Haruhiko YAMAMOTO, Yuka WATANABE, Kyoko SAKAMOTO, Kiyoshi IWAYA	
Characteristics of flood disaster in Nagano City by typhoon No.19 (hagibis) in 2019	25
Haruhiko YAMAMOTO, Yuki OHTANI, Yuka WATANABE, Kyoko SAKAMOTO, Kiyoshi IWAYA	
Experimental discussion on flooding of the Enoki River in Fuchu town, Hiroshima occurred on 10 July 2018 .	29
Kai WATANABE, Kai YOSHIOKA, Yu TAKAO, Kenji TANAKA	
Development of the pressure disturbance observation system using MEMS barometers	33
Kenta SAIKI, Kenji TANAKA	
Relationship among the sensitivity to information on natural disaster, the evacuation action, and educational background ---- a survey by questionnaire for citizen in Hiroshima	37
Yutaro MINATO, Kenji TANAKA	
Effect of the Okinawa trough in propagating the meteotsunami	41
Kenji TANAKA	

Sediment disaster in around of Shimadagawa, Yamaguchi Prefecture in July 2018 45
Hiroaki MATSUGI, Motoyuki SUZUKI, Kyoko KAGOHARA, Takamune KAWASHIMA

Seismic inspection of concrete block walls along streets and community awareness- case study of Kamiube district,
Ube City - 51
Hitomi MURAKAMI, Seina NASU

Learning shelter management from the 2016 Kumamoto earthquake for Nishikiwa district, Ube City 55
Rina TAKANO, Hitomi MURAKAMI

Field experiment for tsunami evacuation by bicycles and road conditions - a case of Miyazaki city - 59
Kohei SHIMOMURA, Hitomi MURAKAMI, Minoru KUMANO, Akira TAGA, Kazuyuki TAKADA

Field survey on heavy rainfall risks and associated historical records characterizing the Imogawa area of Ukiha city,
Fukuoka 63
Koji NISHIYAMA, Chihiro KURIHARA, Kengo IURA